

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV062424\  
 Data File : VV036253.D  
 Acq On : 24 Jun 2024 18:19  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10.0mL/MSVOA\_V/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jun 25 05:00:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 25 04:55:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.532  | 114   | 282059   | 25.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.783  | 117   | 278691   | 25.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152   | 147432   | 25.000   | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.272  | 65    | 94111    | 18.148   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 72.600%  |
| 7) Chloroethane-d5            | 1.529  | 69    | 83915    | 20.295   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 150 | Recovery | =      | 81.160%  |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65    | 47128    | 20.415   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 110 | Recovery | =      | 81.640%  |
| 21) 2-Butanone-d5             | 4.050  | 46    | 304      | 0.256    | ug/L   | 0.20     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 0.520%#  |
| 24) Chloroform-d              | 4.246  | 84    | 197194   | 21.990   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 40 - 150 | Recovery | =      | 87.960%  |
| 26) 1,2-Dichloroethane-d4     | 4.940  | 65    | 98940    | 21.044   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 130 | Recovery | =      | 84.160%  |
| 32) Benzene-d6                | 4.957  | 84    | 365745   | 22.078   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 20 - 135 | Recovery | =      | 88.320%  |
| 36) 1,2-Dichloropropane-d6    | 5.985  | 67    | 113392   | 21.736   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 70 - 120 | Recovery | =      | 86.960%  |
| 41) Toluene-d8                | 7.239  | 98    | 332635   | 22.757   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 130 | Recovery | =      | 91.040%  |
| 43) trans-1,3-Dichloroprop... | 7.555  | 79    | 44519    | 20.813   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 30 - 135 | Recovery | =      | 83.240%  |
| 47) 2-Hexanone-d5             | 8.030  | 63    | 32010    | 45.288   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 20 - 135 | Recovery | =      | 90.580%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84    | 90994    | 23.342   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 45 - 120 | Recovery | =      | 93.360%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152   | 112416   | 20.793   | ug/L   | 0.00     |
| Spiked Amount                 | 25.000 | Range | 75 - 120 | Recovery | =      | 83.160%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.101  | 85    | 113084   | 22.235   | ug/L   | 100      |
| 3) Chloromethane              | 1.211  | 50    | 129297   | 22.153   | ug/L   | 99       |
| 5) Vinyl chloride             | 1.278  | 62    | 149724   | 24.367   | ug/L   | 99       |
| 6) Bromomethane               | 1.484  | 94    | 101294   | 26.573   | ug/L   | 98       |
| 8) Chloroethane               | 1.545  | 64    | 96830    | 25.353   | ug/L   | 98       |
| 9) Trichlorofluoromethane     | 1.709  | 101   | 212763   | 27.882   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.063  | 101   | 132507   | 27.362   | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.063  | 96    | 123736   | 27.395   | ug/L   | 88       |
| 13) Acetone                   | 2.384  | 43    | 47775    | 25.778   | ug/L   | 69       |
| 14) Carbon disulfide          | 2.233  | 76    | 368342   | 23.484   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.384  | 43    | 50554    | 21.945   | ug/L   | 97       |
| 16) Methylene chloride        | 2.442  | 84    | 152560   | 23.903   | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 2.690  | 96    | 123074   | 25.651   | ug/L   | 95       |
| 18) Methyl tert-butyl Ether   | 2.703  | 73    | 262677   | 24.387   | ug/L   | 99       |
| 19) 1,1-Dichloroethane        | 3.105  | 63    | 233295   | 25.533   | ug/L   | 99       |
| 20) cis-1,2-Dichloroethene    | 3.812  | 96    | 124743   | 25.874   | ug/L   | 98       |
| 22) 2-Butanone                | 3.905  | 43    | 55277    | 35.150   | ug/L # | 67       |
| 23) Bromochloromethane        | 4.143  | 128   | 61027    | 25.235   | ug/L   | 96       |
| 25) Chloroform                | 4.272  | 83    | 241710   | 25.716   | ug/L   | 99       |

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 Data File : VV036253.D  
 Acq On : 24 Jun 2024 18:19  
 Operator : SY/MD  
 Sample : VSTDCCC025  
 Misc : 5.00g/10.0mL/MSVOA\_V/SOIL  
 ALS Vial : 22 Sample Multiplier: 1

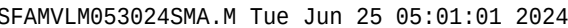
Instrument :  
 MSVOA\_V  
 ClientSampleId :

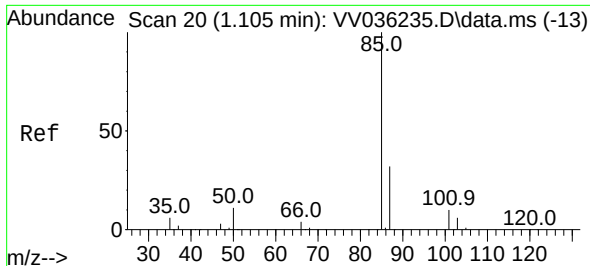
Quant Time: Jun 25 05:00:51 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Jun 25 04:55:15 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.037  | 62   | 148845   | 25.365 | ug/L   | 100      |
| 29) Cyclohexane               | 4.577  | 56   | 162303   | 24.460 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 4.506  | 97   | 206906   | 27.157 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.728  | 117  | 179010   | 26.782 | ug/L   | 100      |
| 33) Benzene                   | 5.005  | 78   | 498431   | 27.345 | ug/L   | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 145747   | 26.090 | ug/L   | 97       |
| 35) Methylcyclohexane         | 6.047  | 83   | 190136   | 24.612 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 128712   | 26.893 | ug/L   | 99       |
| 38) Bromodichloromethane      | 6.429  | 83   | 168850   | 26.654 | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 182149   | 25.445 | ug/L   | 99       |
| 40) 4-Methyl-2-pentanone      | 7.159  | 43   | 129092   | 49.645 | ug/L   | 99       |
| 42) Toluene                   | 7.313  | 91   | 525362   | 28.207 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 7.580  | 75   | 159363   | 25.774 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 7.767  | 97   | 102719   | 25.939 | ug/L   | 99       |
| 46) Tetrachloroethene         | 7.902  | 164  | 103958   | 25.444 | ug/L   | 99       |
| 48) 2-Hexanone                | 8.079  | 43   | 92023    | 45.267 | ug/L # | 98       |
| 49) Dibromochloromethane      | 8.175  | 129  | 112363   | 25.925 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.281  | 107  | 96722    | 25.454 | ug/L   | 96       |
| 51) Chlorobenzene             | 8.812  | 112  | 335389   | 26.429 | ug/L   | 98       |
| 52) Ethylbenzene              | 8.944  | 91   | 544170   | 27.308 | ug/L   | 100      |
| 53) m,p-Xylene                | 9.072  | 106  | 209454   | 27.974 | ug/L   | 99       |
| 54) o-Xylene                  | 9.477  | 106  | 192811   | 27.307 | ug/L   | 94       |
| 55) Styrene                   | 9.493  | 104  | 350786   | 28.172 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 94259    | 26.582 | ug/L   | 100      |
| 59) Bromoform                 | 9.664  | 173  | 70570    | 25.382 | ug/L   | 99       |
| 60) Isopropylbenzene          | 9.863  | 105  | 521276   | 27.559 | ug/L   | 100      |
| 61) 1,2,3-Trichloropropane    | 10.207 | 75   | 88416    | 25.357 | ug/L   | 98       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 359611   | 26.219 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 401019   | 27.137 | ug/L   | 100      |
| 64) 1,3-Dichlorobenzene       | 11.114 | 146  | 251583   | 25.327 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 257623   | 25.127 | ug/L   | 99       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 233195   | 24.948 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 19520    | 25.035 | ug/L   | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 170847   | 22.994 | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 135139   | 23.099 | ug/L   | 99       |
| 71) Naphthalene               | 13.435 | 128  | 244529   | 25.612 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 133557   | 25.017 | ug/L   | 99       |

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

Quant Time: Jun 25 05:00:51 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM053024SMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Jun 25 04:55:15 2024  
Response via : Initial Calibration

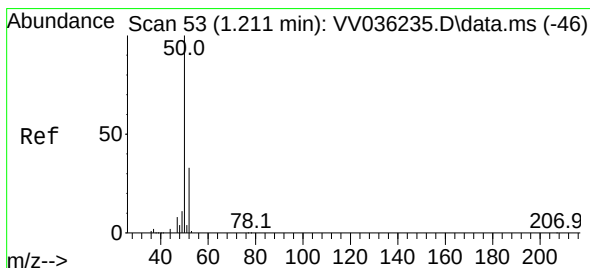
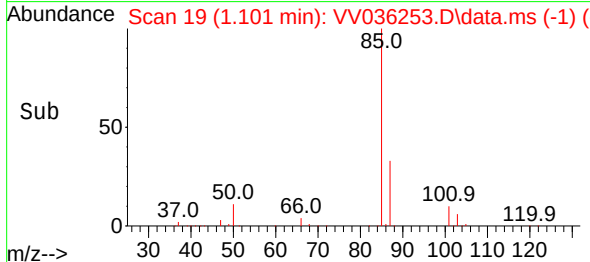
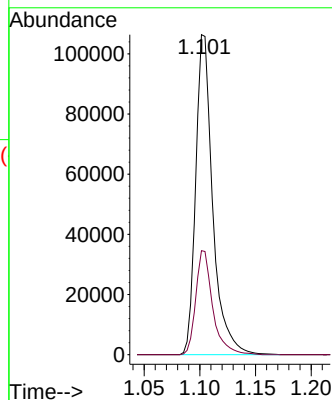
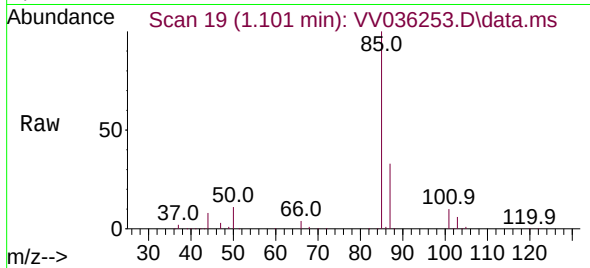




#2  
 Dichlorodifluoromethane  
 Concen: 22.235 ug/L  
 RT: 1.101 min Scan# 19  
 Delta R.T. -0.003 min  
 Lab File: VV036253.D  
 Acq: 24 Jun 2024 18:19

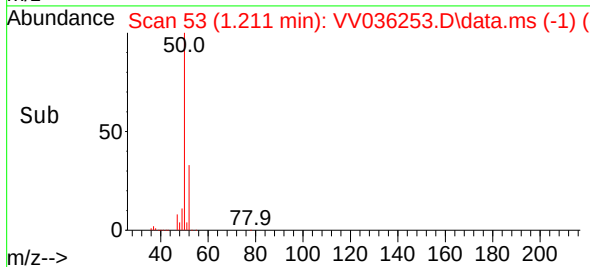
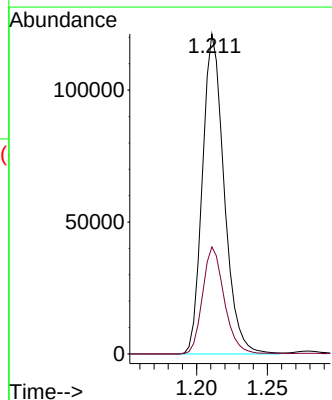
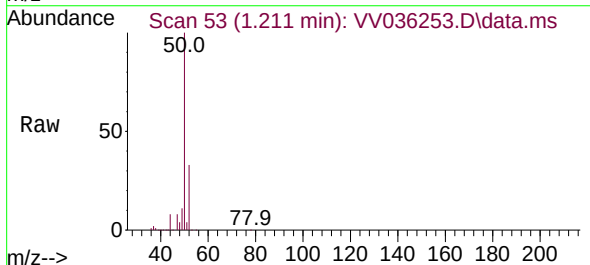
Instrument :  
 MSVOA\_V  
 ClientSampleId :

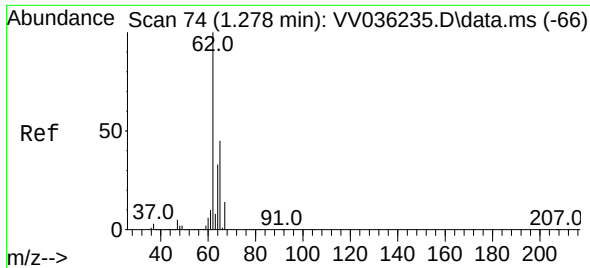
Tgt Ion: 85 Resp: 113084  
 Ion Ratio Lower Upper  
 85 100  
 87 32.4 25.9 38.9



#3  
 Chloromethane  
 Concen: 22.153 ug/L  
 RT: 1.211 min Scan# 53  
 Delta R.T. 0.000 min  
 Lab File: VV036253.D  
 Acq: 24 Jun 2024 18:19

Tgt Ion: 50 Resp: 129297  
 Ion Ratio Lower Upper  
 50 100  
 52 33.4 22.8 42.4



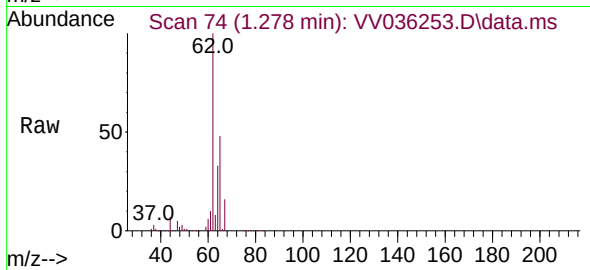


#5  
 Vinyl chloride  
 Concen: 24.367 ug/L  
 RT: 1.278 min Scan# 74  
 Delta R.T. -0.000 min  
 Lab File: VV036253.D  
 Acq: 24 Jun 2024 18:19

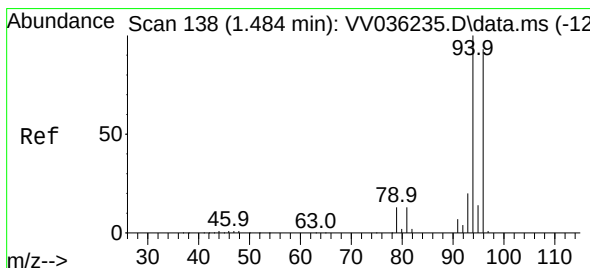
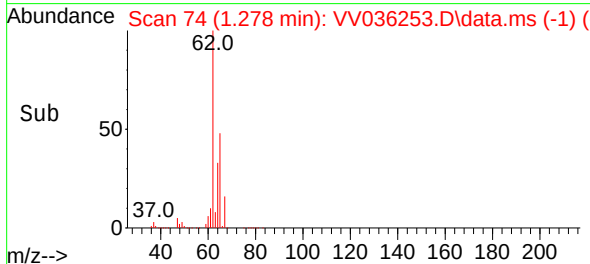
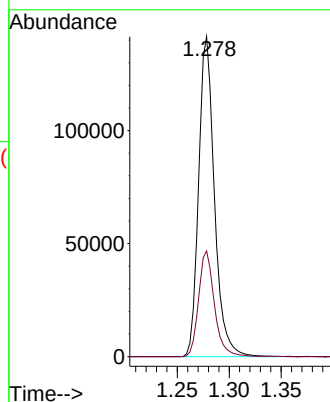
Instrument :

MSVOA\_V

ClientSampleId :

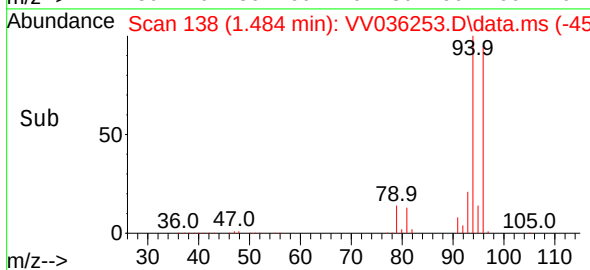
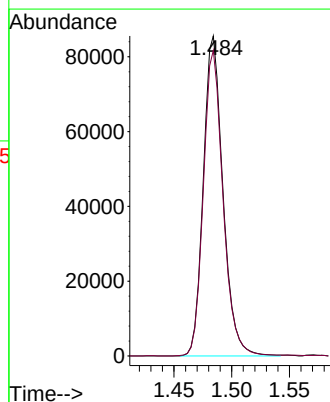
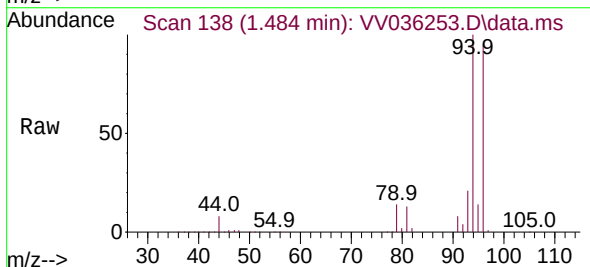


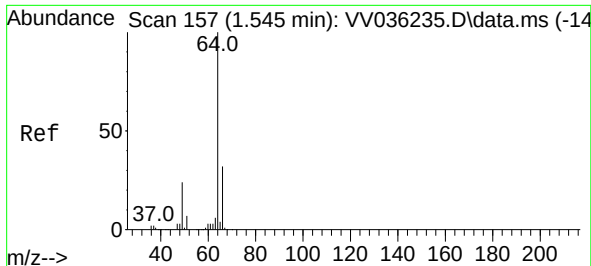
Tgt Ion: 62 Resp: 149724  
 Ion Ratio Lower Upper  
 62 100  
 64 33.0 22.9 42.5



#6  
 Bromomethane  
 Concen: 26.573 ug/L  
 RT: 1.484 min Scan# 138  
 Delta R.T. 0.000 min  
 Lab File: VV036253.D  
 Acq: 24 Jun 2024 18:19

Tgt Ion: 94 Resp: 101294  
 Ion Ratio Lower Upper  
 94 100  
 96 95.5 65.7 122.1

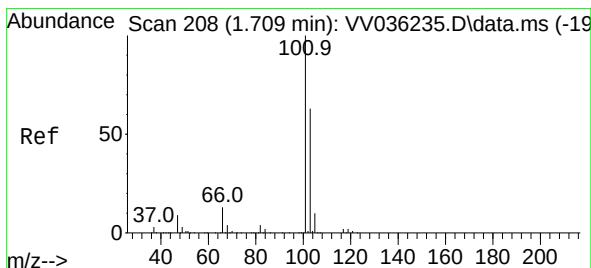
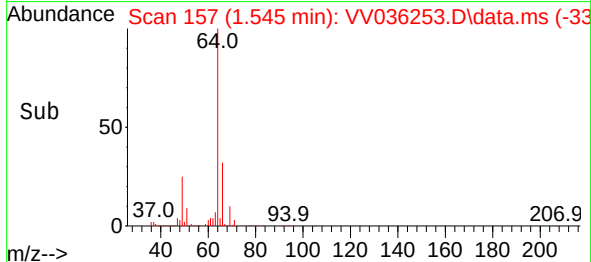
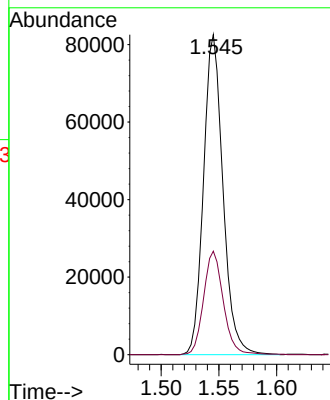
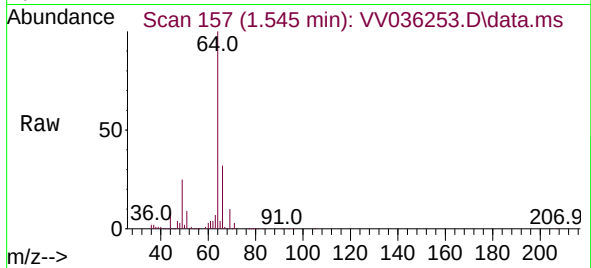




#8  
Chloroethane  
Concen: 25.353 ug/L  
RT: 1.545 min Scan# 157  
Delta R.T. 0.000 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

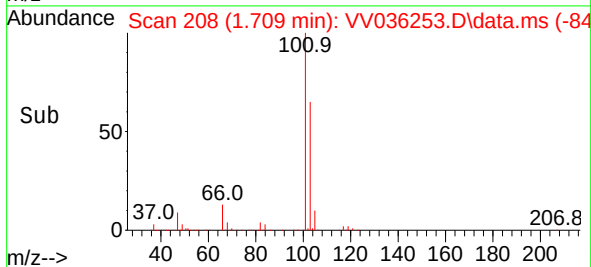
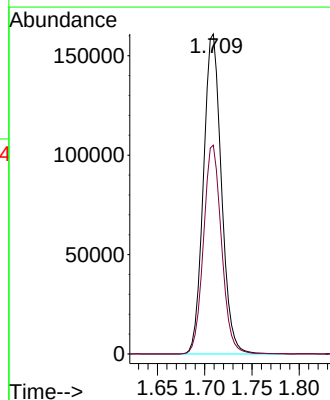
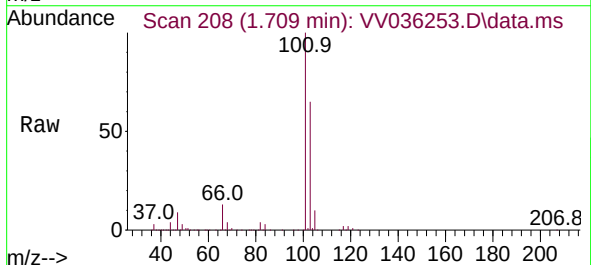
Instrument :  
MSVOA\_V  
ClientSampleId :

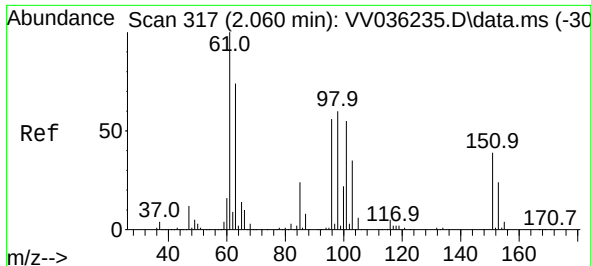
Tgt Ion: 64 Resp: 96830  
Ion Ratio Lower Upper  
64 100  
66 32.3 22.0 41.0



#9  
Trichlorofluoromethane  
Concen: 27.882 ug/L  
RT: 1.709 min Scan# 208  
Delta R.T. -0.000 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

Tgt Ion:101 Resp: 212763  
Ion Ratio Lower Upper  
101 100  
103 65.3 51.8 77.8





#10

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

Concen: 27.362 ug/L

RT: 2.063 min Scan# 317

Delta R.T. 0.003 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

ClientSampleId :

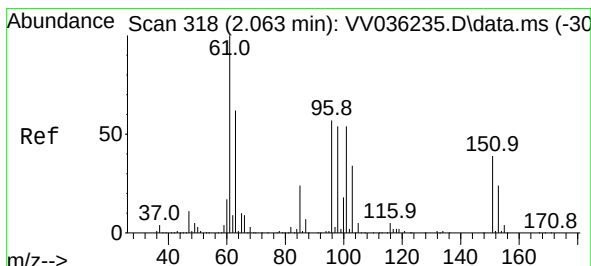
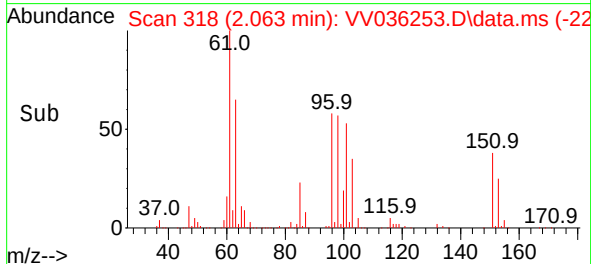
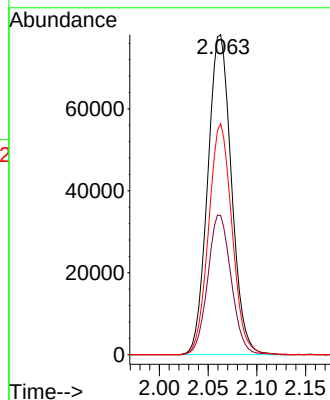
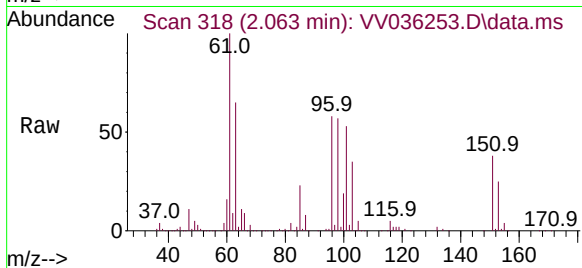
Tgt Ion:101 Resp: 132507

Ion Ratio Lower Upper

101 100

85 43.2 34.5 51.7

151 71.4 56.3 84.5



#12

1,1-Dichloroethene

Concen: 27.395 ug/L

RT: 2.063 min Scan# 318

Delta R.T. -0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

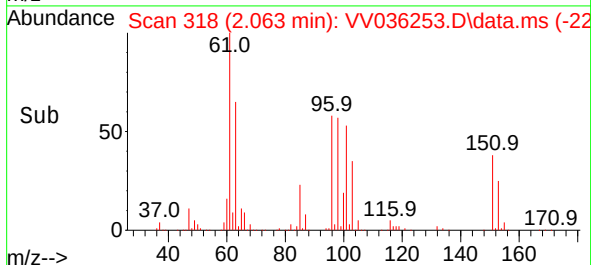
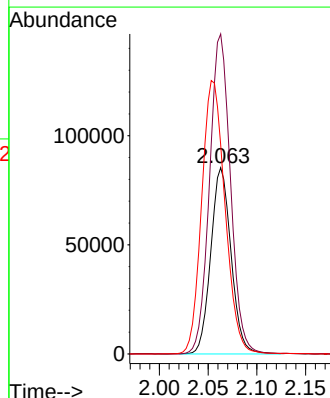
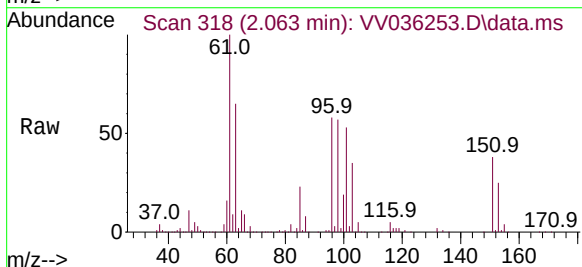
Tgt Ion: 96 Resp: 123736

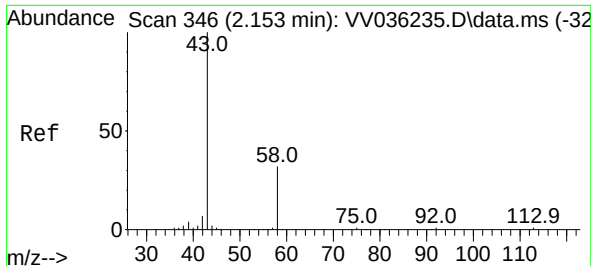
Ion Ratio Lower Upper

96 100

61 171.7 127.3 236.3

63 112.4 93.7 173.9





#13

Acetone

Concen: 25.778 ug/L

RT: 2.384 min Scan# 41

Delta R.T. 0.232 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

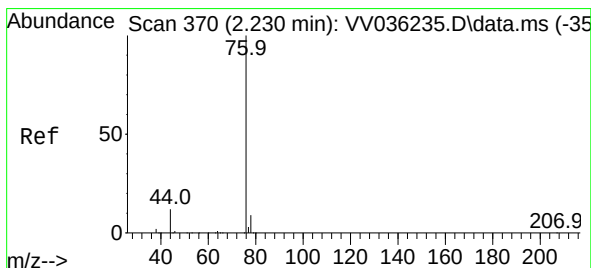
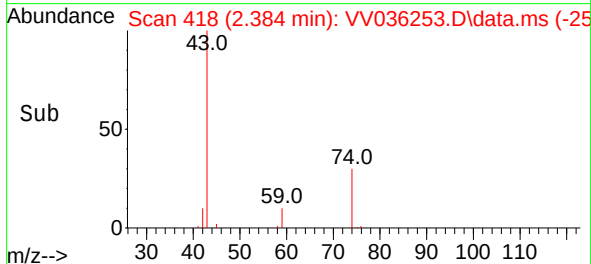
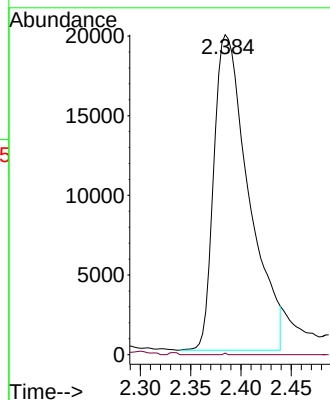
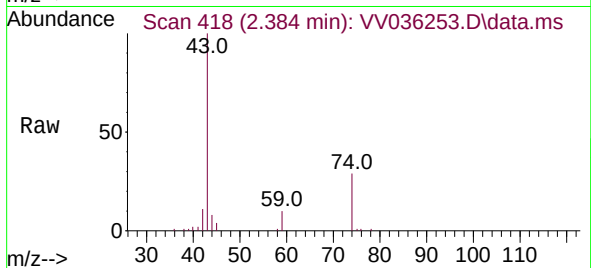
ClientSampleId :

Tgt Ion: 43 Resp: 47775

Ion Ratio Lower Upper

43 100

58 0.2 0.0 24.2



#14

Carbon disulfide

Concen: 23.484 ug/L

RT: 2.233 min Scan# 371

Delta R.T. 0.003 min

Lab File: VV036253.D

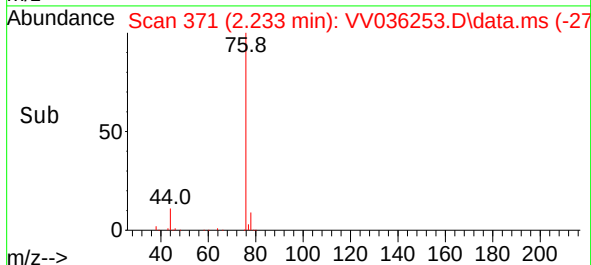
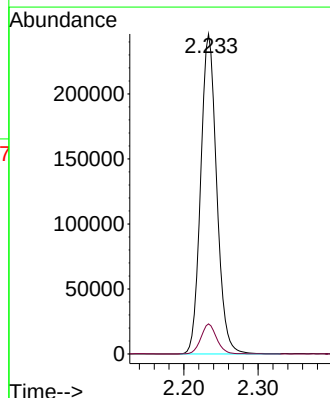
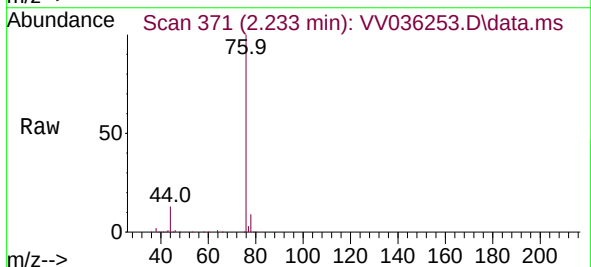
Acq: 24 Jun 2024 18:19

Tgt Ion: 76 Resp: 368342

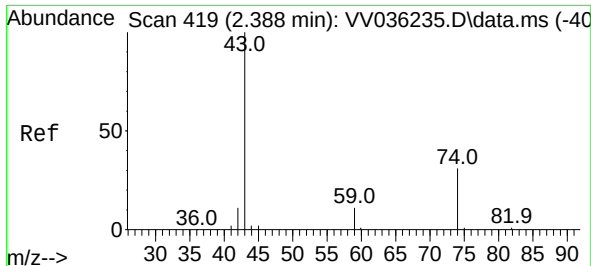
Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.2



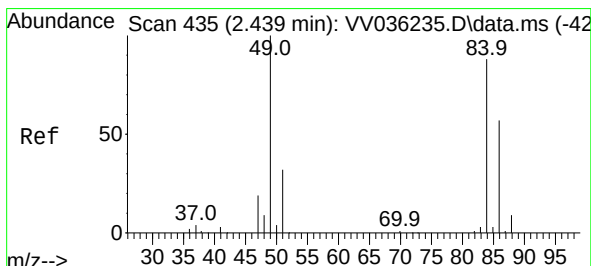
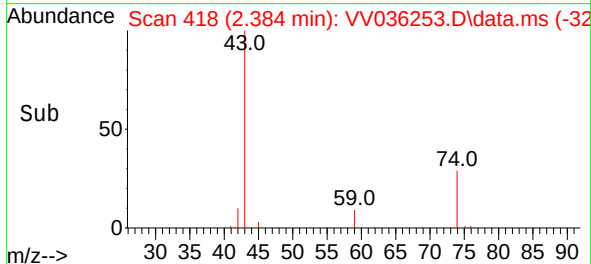
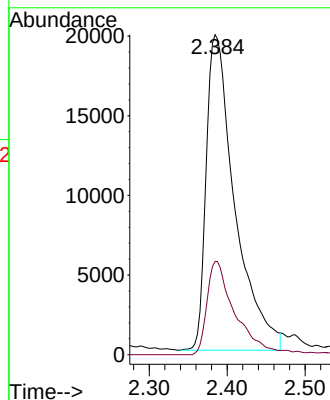
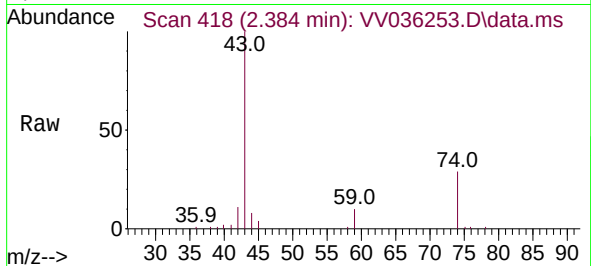




#15  
Methyl Acetate  
Concen: 21.945 ug/L  
RT: 2.384 min Scan# 419  
Delta R.T. -0.003 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

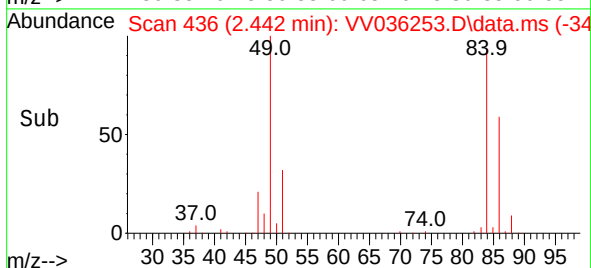
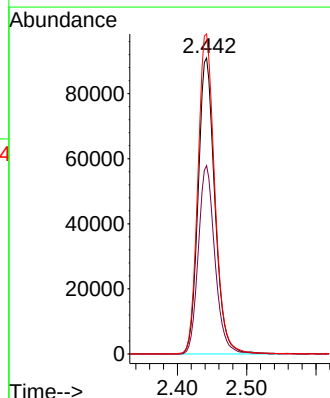
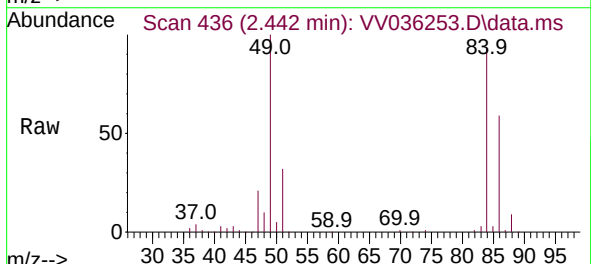
Instrument :  
MSVOA\_V  
ClientSampleId :

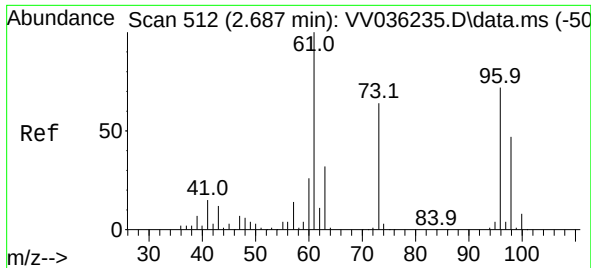
Tgt Ion: 43 Resp: 50554  
Ion Ratio Lower Upper  
43 100  
74 28.6 21.4 32.2



#16  
Methylene chloride  
Concen: 23.903 ug/L  
RT: 2.442 min Scan# 436  
Delta R.T. 0.003 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

Tgt Ion: 84 Resp: 152560  
Ion Ratio Lower Upper  
84 100  
86 63.6 44.6 82.8  
49 108.1 81.1 150.5





#17

trans-1,2-Dichloroethene

Concen: 25.651 ug/L

RT: 2.690 min Scan# 512

Delta R.T. 0.003 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

ClientSampleId :

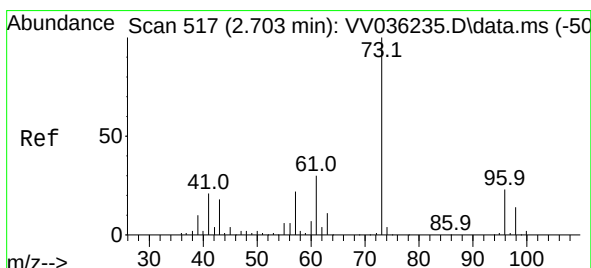
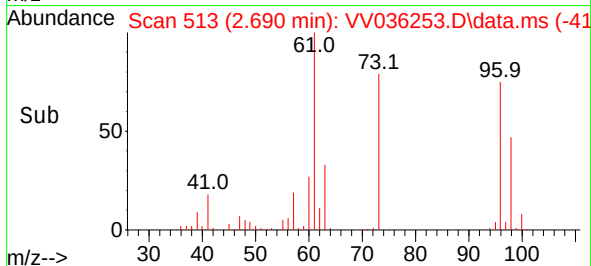
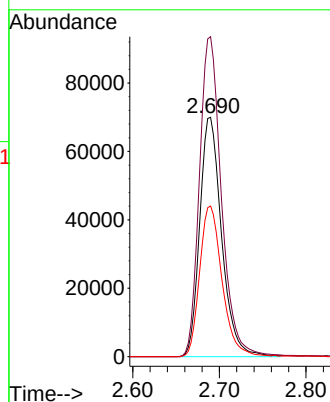
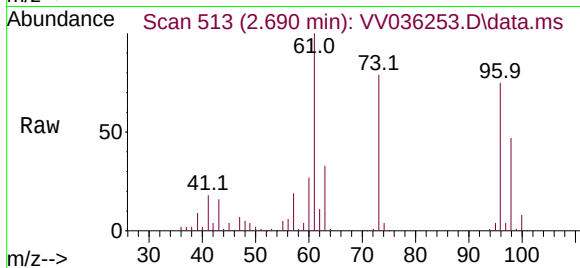
Tgt Ion: 96 Resp: 123074

Ion Ratio Lower Upper

96 100

61 133.7 99.4 184.6

98 63.0 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 24.387 ug/L

RT: 2.703 min Scan# 517

Delta R.T. 0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

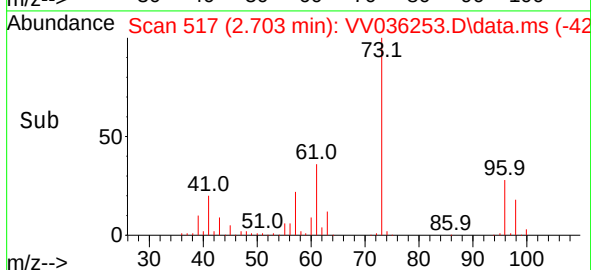
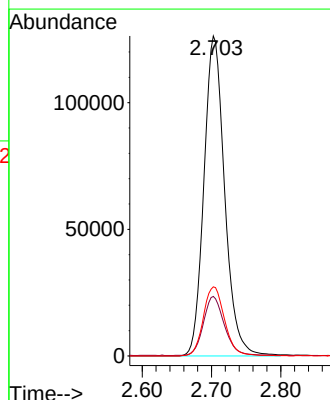
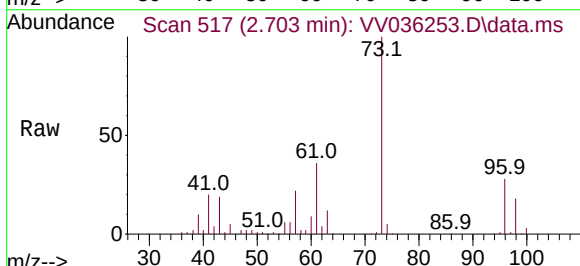
Tgt Ion: 73 Resp: 262677

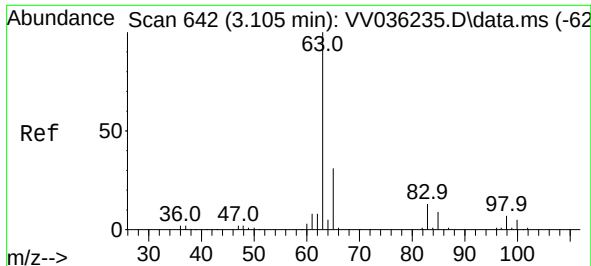
Ion Ratio Lower Upper

73 100

43 18.4 14.3 21.5

57 22.1 17.8 26.6

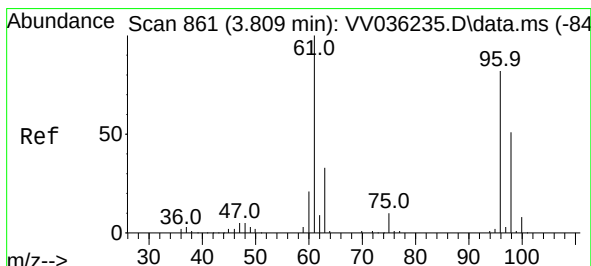
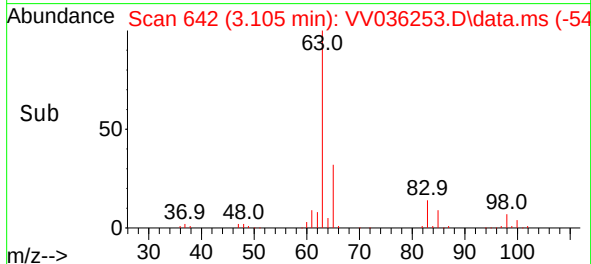
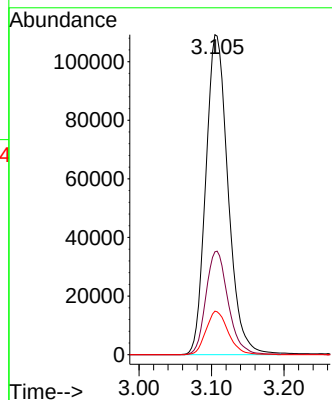
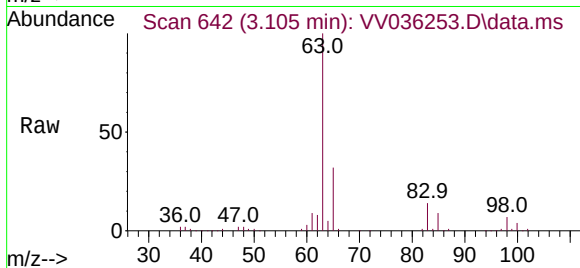




#19  
1,1-Dichloroethane  
Concen: 25.533 ug/L  
RT: 3.105 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

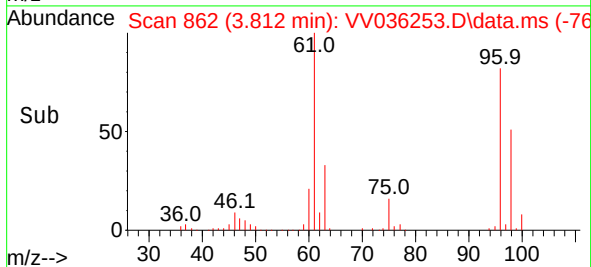
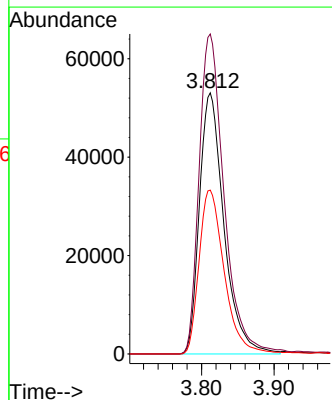
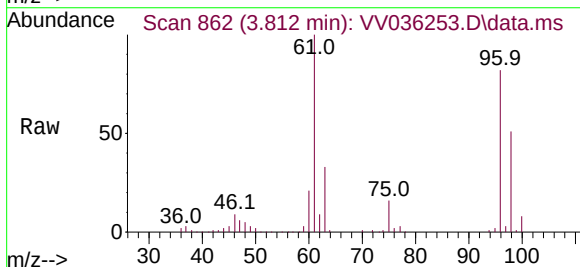
Instrument :  
MSVOA\_V  
ClientSampleId :

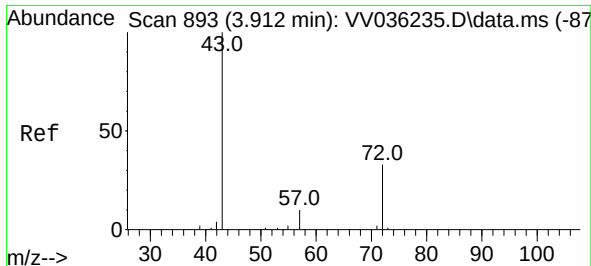
Tgt Ion: 63 Resp: 233295  
Ion Ratio Lower Upper  
63 100  
65 32.2 22.4 41.6  
83 13.6 9.2 17.0



#20  
cis-1,2-Dichloroethene  
Concen: 25.874 ug/L  
RT: 3.812 min Scan# 862  
Delta R.T. 0.003 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

Tgt Ion: 96 Resp: 124743  
Ion Ratio Lower Upper  
96 100  
61 122.6 87.9 163.3  
98 62.8 44.4 82.5





#22

2-Butanone

Concen: 35.150 ug/L

RT: 3.905 min Scan# 891

Delta R.T. -0.006 min MSVOA\_V

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

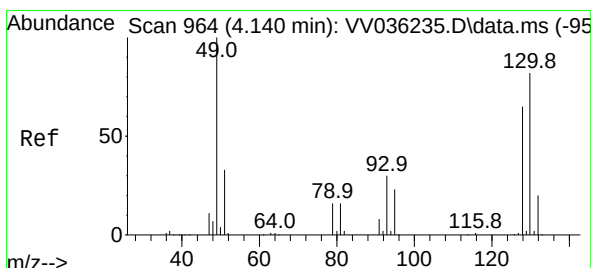
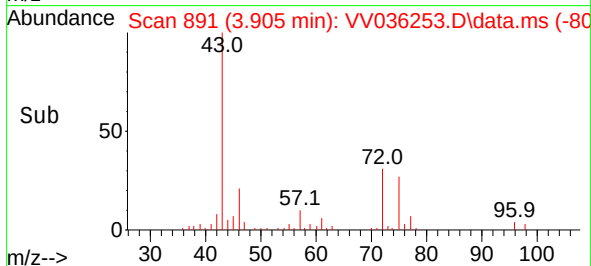
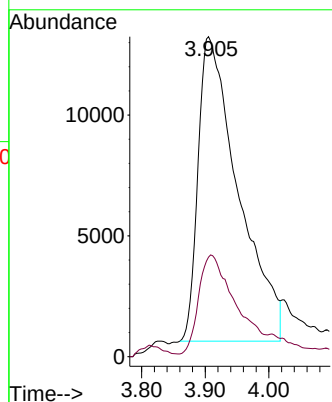
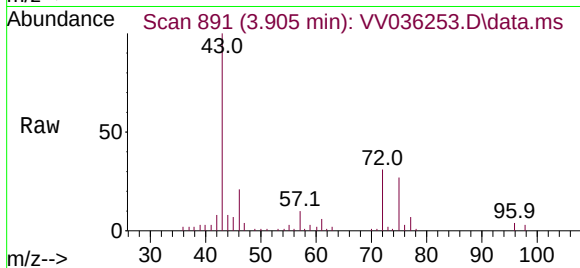
ClientSampleId :

Tgt Ion: 43 Resp: 55277

Ion Ratio Lower Upper

43 100

72 30.3 8.2 24.4#



#23

Bromochloromethane

Concen: 25.235 ug/L

RT: 4.143 min Scan# 965

Delta R.T. 0.003 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Tgt Ion: 128 Resp: 61027

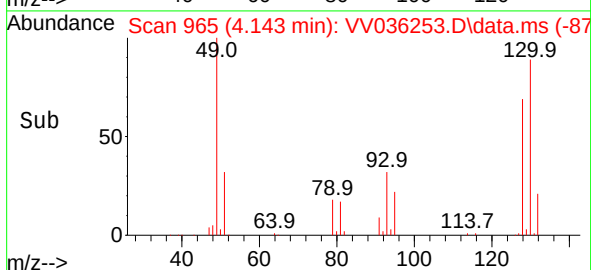
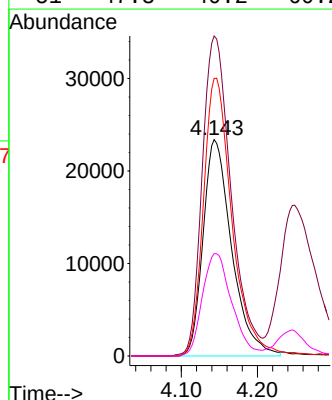
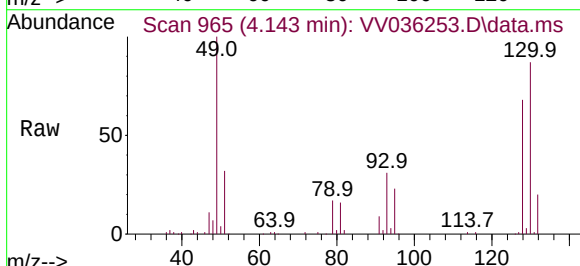
Ion Ratio Lower Upper

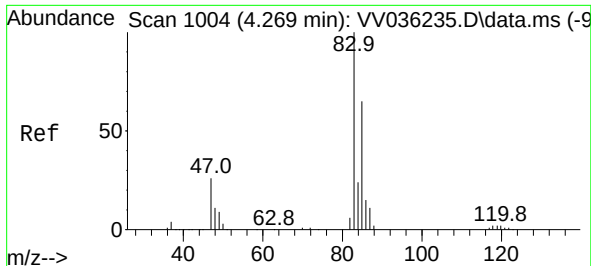
128 100

49 148.0 110.2 204.6

130 128.4 90.2 167.4

51 47.3 40.2 60.2





#25

Chloroform

Concen: 25.716 ug/L

RT: 4.272 min Scan# 1004

Delta R.T. 0.003 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

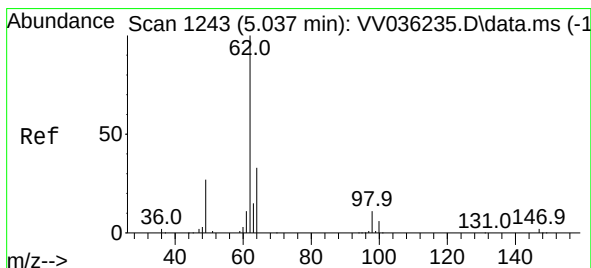
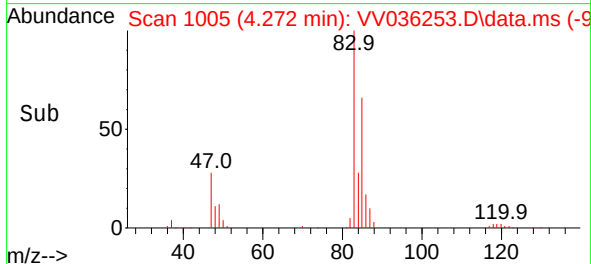
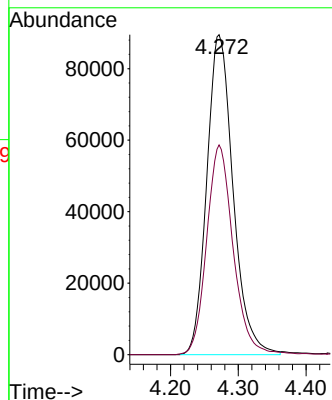
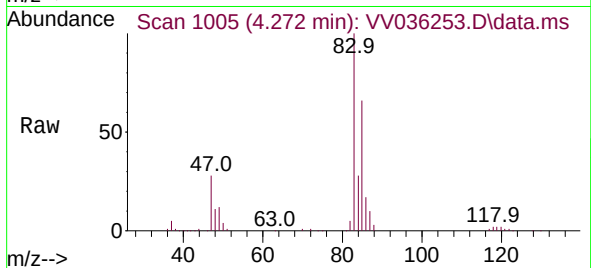
ClientSampleId :

Tgt Ion: 83 Resp: 241710

Ion Ratio Lower Upper

83 100

85 65.5 45.2 84.0



#27

1,2-Dichloroethane

Concen: 25.365 ug/L

RT: 5.037 min Scan# 1243

Delta R.T. 0.000 min

Lab File: VV036253.D

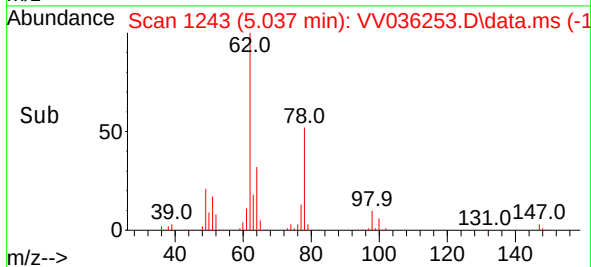
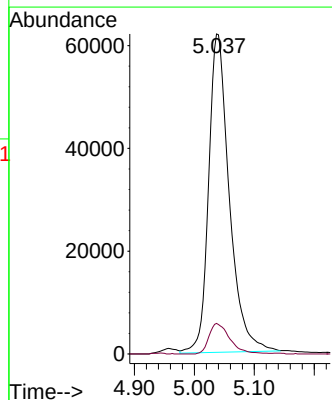
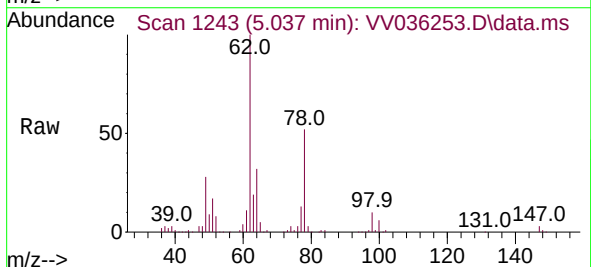
Acq: 24 Jun 2024 18:19

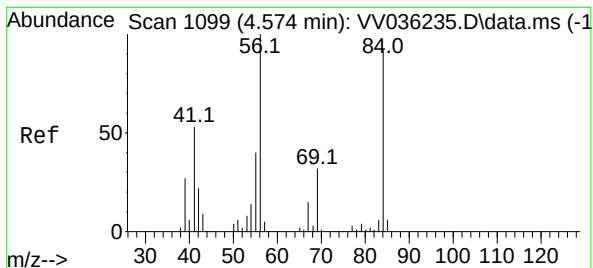
Tgt Ion: 62 Resp: 148845

Ion Ratio Lower Upper

62 100

98 9.6 7.8 11.6





#29

Cyclohexane

Concen: 24.460 ug/L

RT: 4.577 min Scan# 1100

Delta R.T. 0.003 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

ClientSampleId :

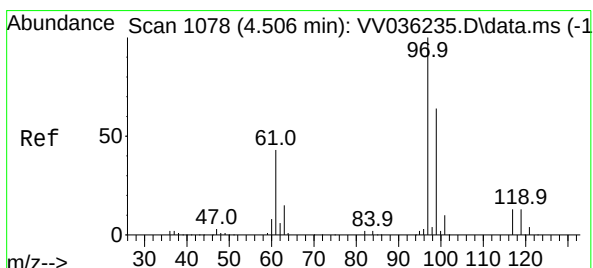
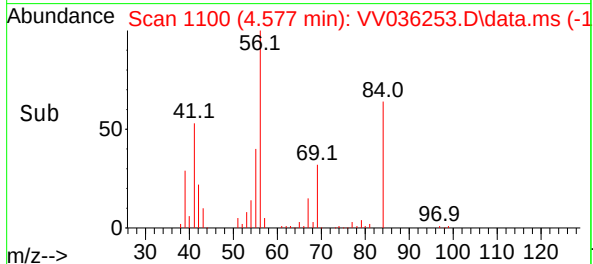
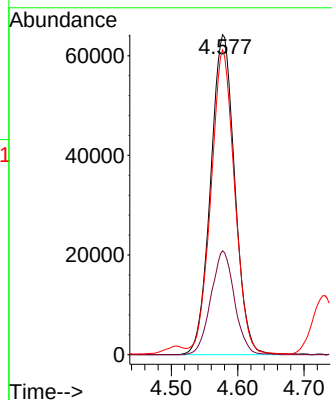
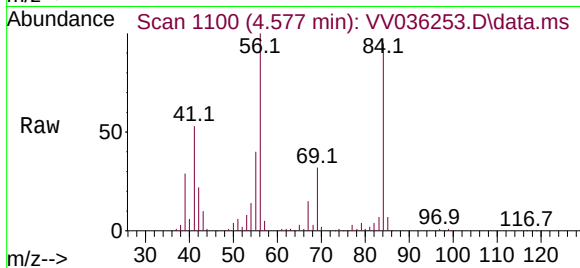
Tgt Ion: 56 Resp: 162303

Ion Ratio Lower Upper

56 100

69 31.7 25.2 37.8

84 93.4 72.2 108.2



#30

1,1,1-Trichloroethane

Concen: 27.157 ug/L

RT: 4.506 min Scan# 1078

Delta R.T. -0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

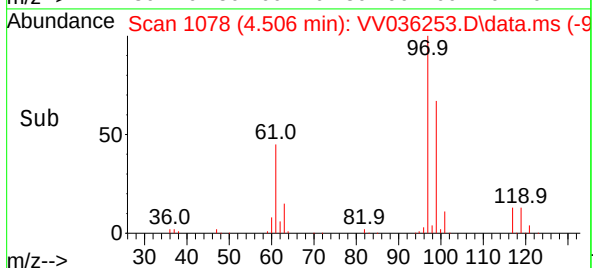
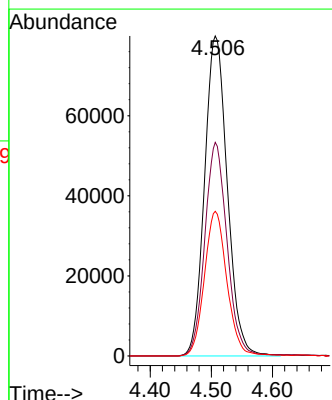
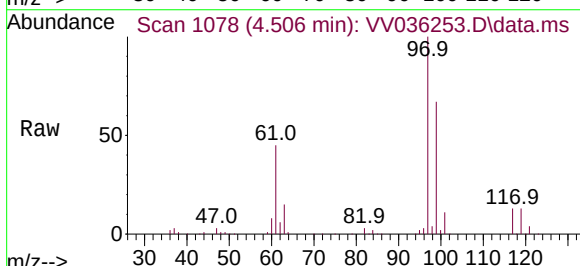
Tgt Ion: 97 Resp: 206906

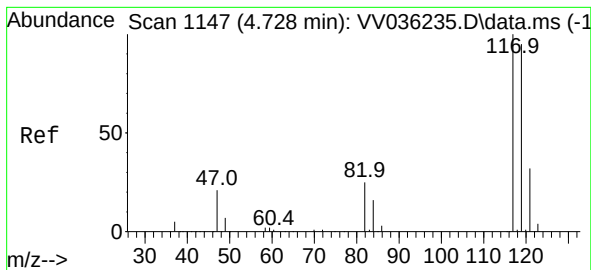
Ion Ratio Lower Upper

97 100

99 65.3 50.9 76.3

61 44.5 35.0 52.6





#31

Carbon tetrachloride

Concen: 26.782 ug/L

RT: 4.728 min Scan# 1147

Delta R.T. 0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

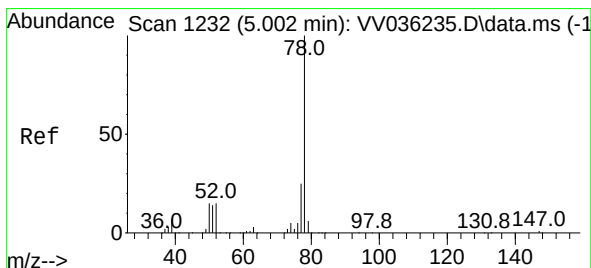
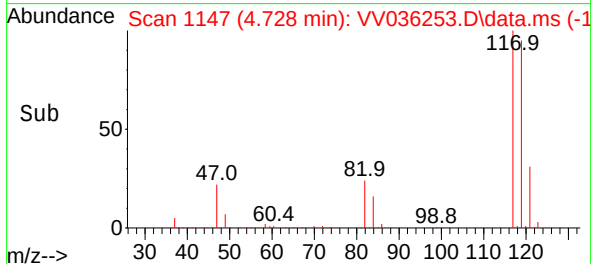
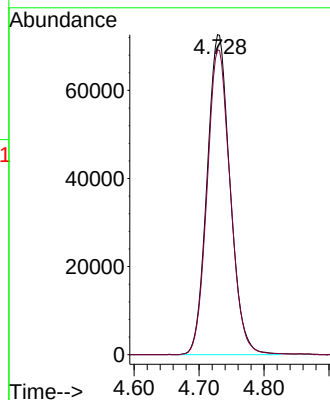
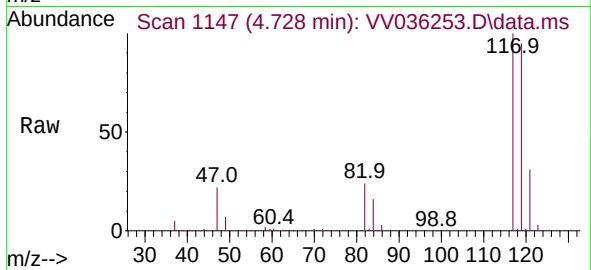
ClientSampleId :

Tgt Ion:117 Resp: 179010

Ion Ratio Lower Upper

117 100

119 96.2 76.8 115.2



#33

Benzene

Concen: 27.345 ug/L

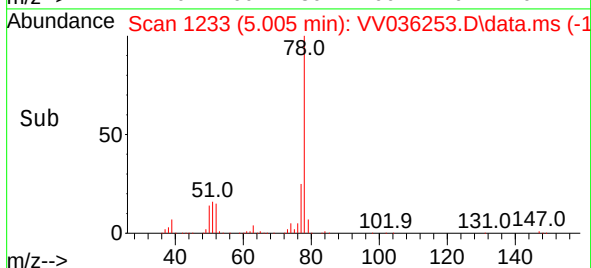
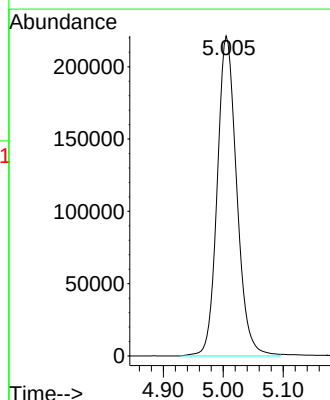
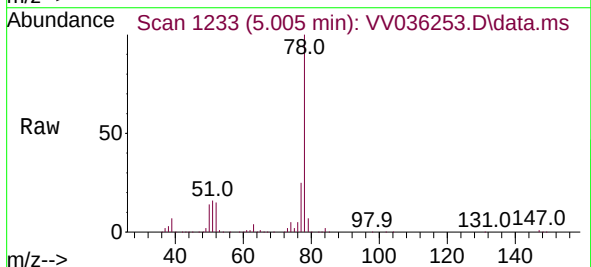
RT: 5.005 min Scan# 1233

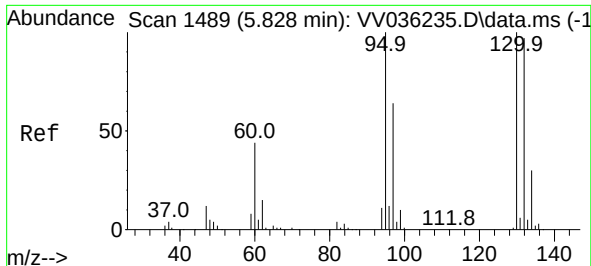
Delta R.T. 0.003 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Tgt Ion: 78 Resp: 498431

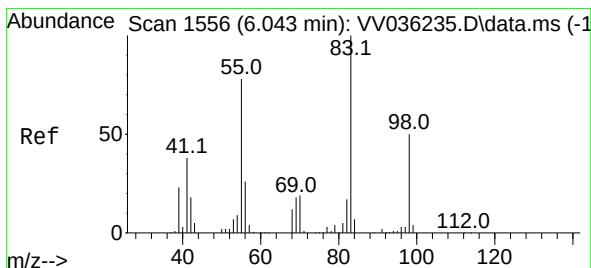
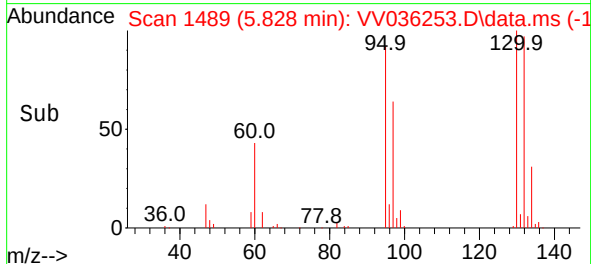
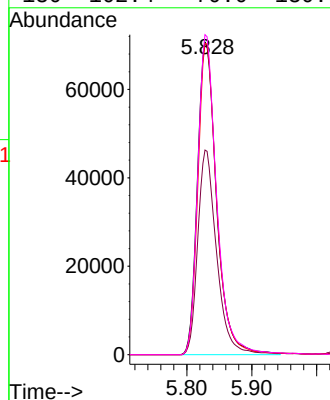
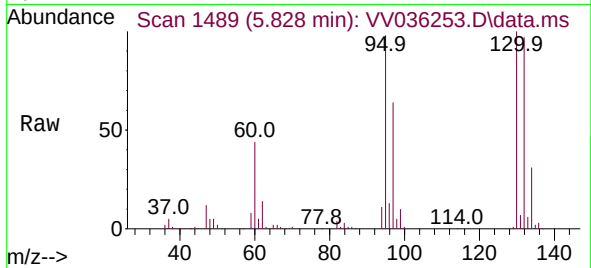




#34  
Trichloroethene  
Concen: 26.090 ug/L  
RT: 5.828 min Scan# 1489  
Delta R.T. 0.000 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

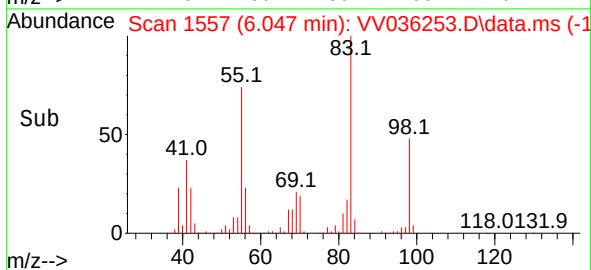
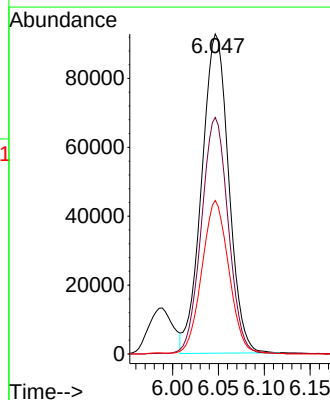
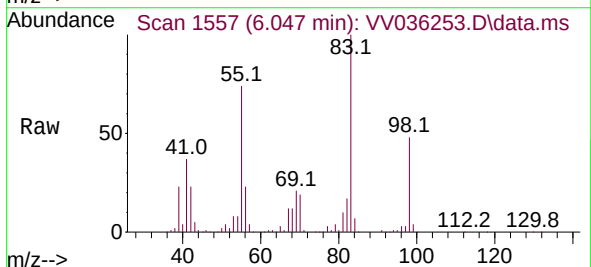
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion: 95 Resp: 145747  
Ion Ratio Lower Upper  
95 100  
97 65.5 44.8 83.2  
132 99.6 66.8 124.2  
130 102.4 70.0 130.0

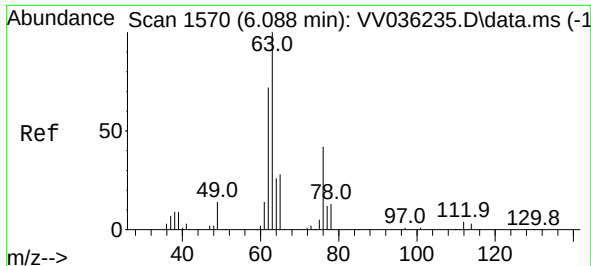


#35  
Methylcyclohexane  
Concen: 24.612 ug/L  
RT: 6.047 min Scan# 1557  
Delta R.T. 0.003 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

Tgt Ion: 83 Resp: 190136  
Ion Ratio Lower Upper  
83 100  
55 73.3 60.7 91.1  
98 48.1 38.7 58.1







#37

1,2-Dichloropropane

Concen: 26.893 ug/L

RT: 6.092 min Scan# 1571

Delta R.T. 0.003 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

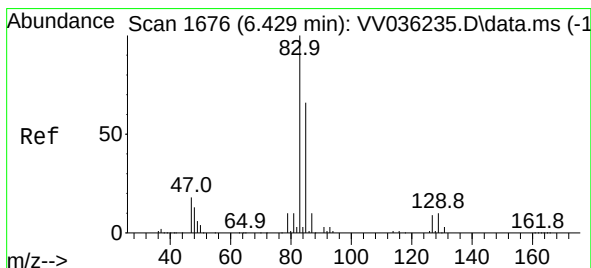
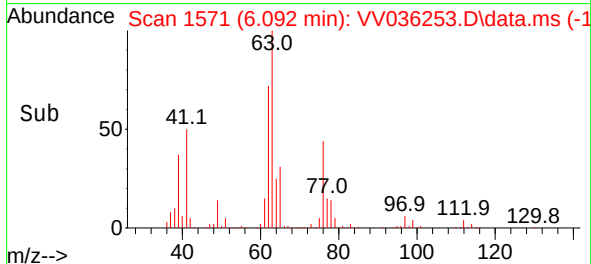
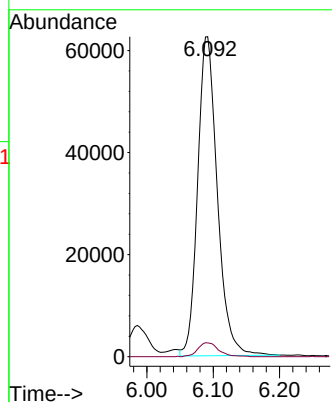
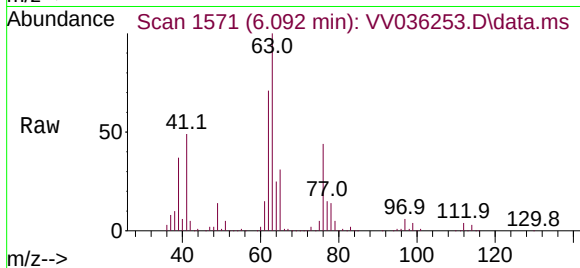
ClientSampleId :

Tgt Ion: 63 Resp: 128712

Ion Ratio Lower Upper

63 100

112 4.6 3.5 5.3



#38

Bromodichloromethane

Concen: 26.654 ug/L

RT: 6.429 min Scan# 1676

Delta R.T. 0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

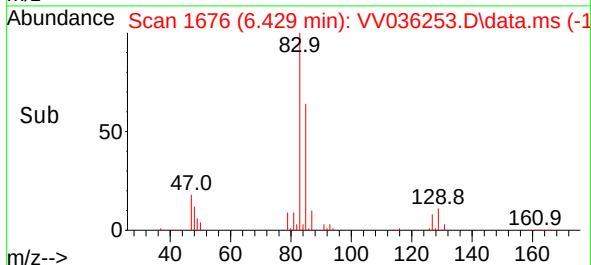
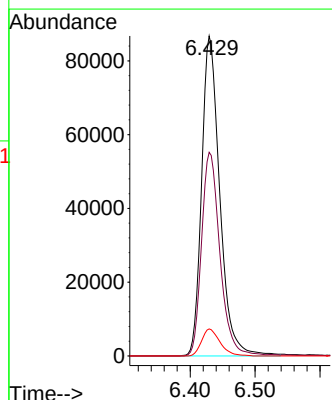
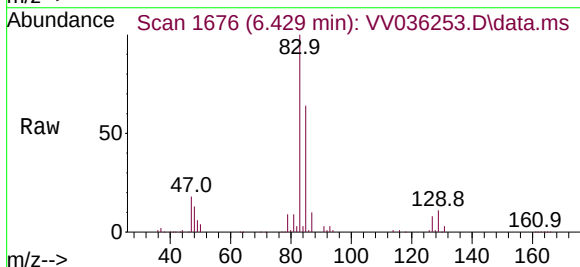
Tgt Ion: 83 Resp: 168850

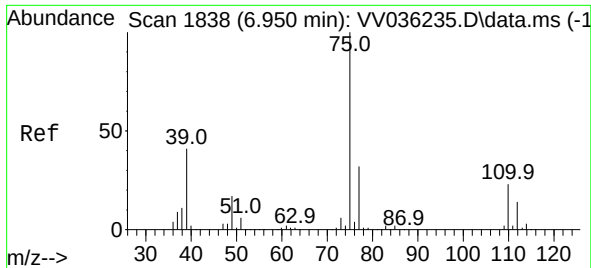
Ion Ratio Lower Upper

83 100

85 63.7 45.3 84.1

127 8.5 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 25.445 ug/L

RT: 6.950 min Scan# 1838

Delta R.T. -0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

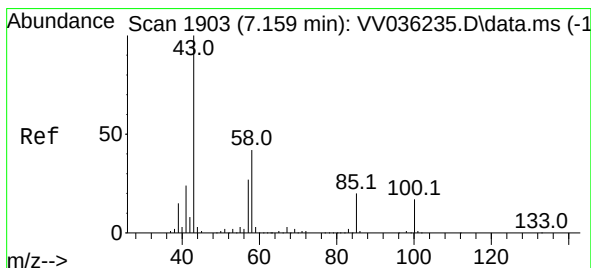
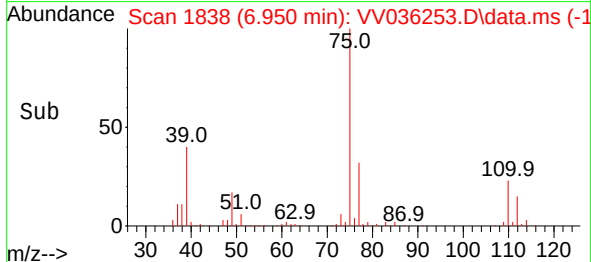
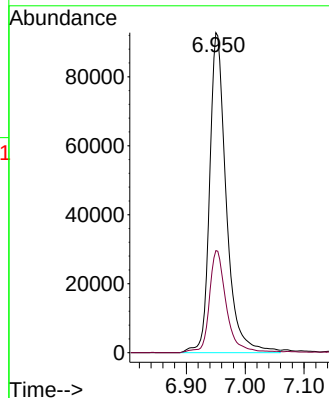
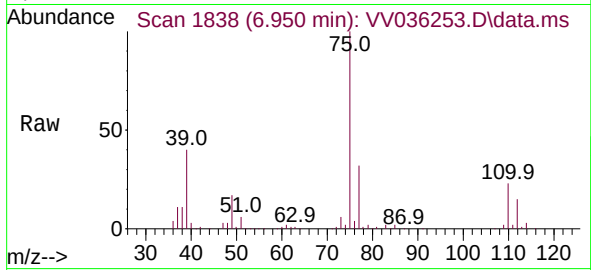
ClientSampleId :

Tgt Ion: 75 Resp: 182149

Ion Ratio Lower Upper

75 100

77 31.9 22.1 41.1



#40

4-Methyl-2-pentanone

Concen: 49.645 ug/L

RT: 7.159 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

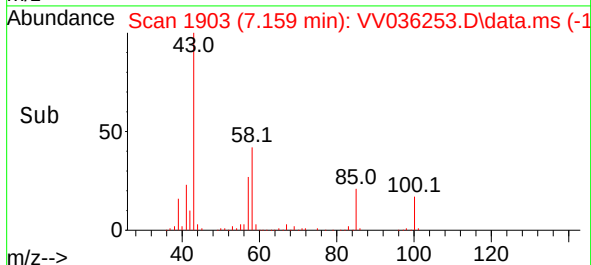
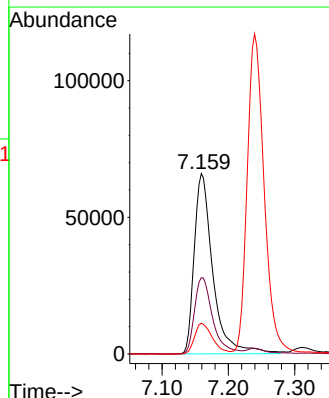
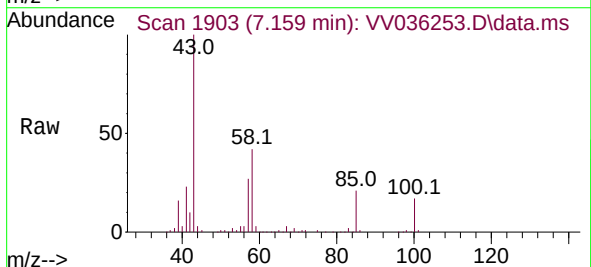
Tgt Ion: 43 Resp: 129092

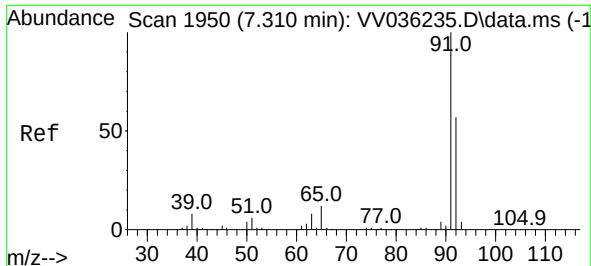
Ion Ratio Lower Upper

43 100

58 41.2 32.5 48.7

100 16.4 12.5 18.7

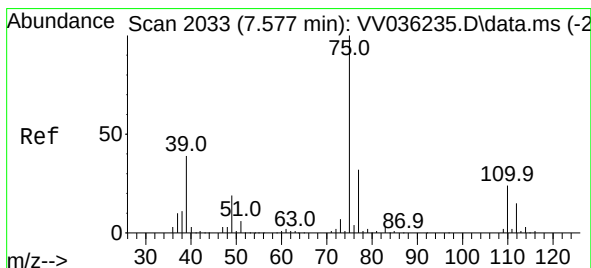
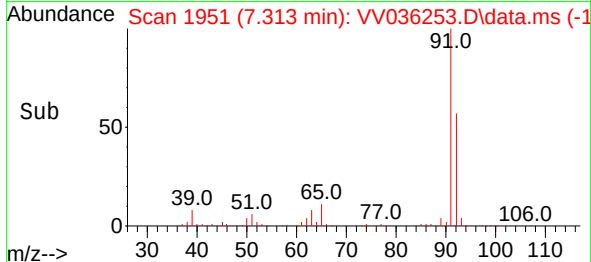
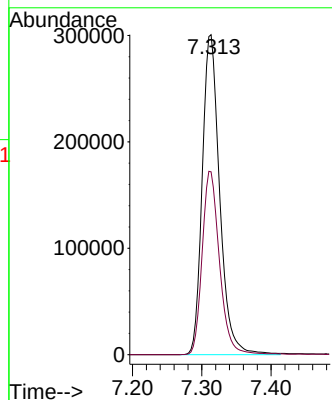
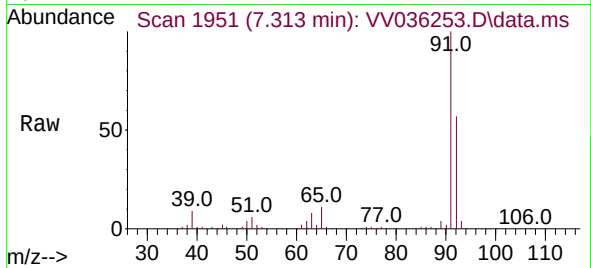




#42  
Toluene  
Concen: 28.207 ug/L  
RT: 7.313 min Scan# 1951  
Delta R.T. 0.003 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

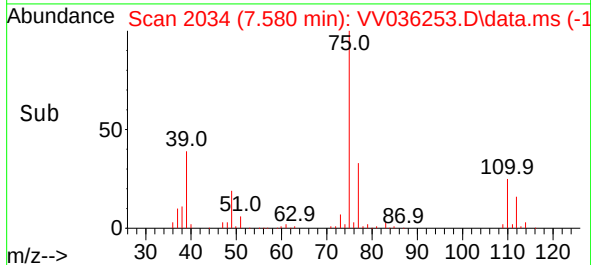
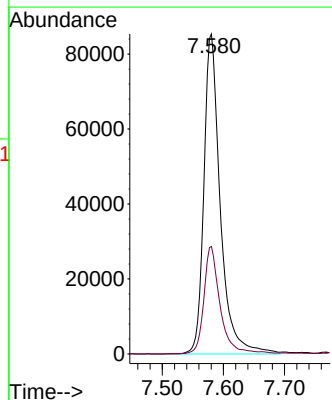
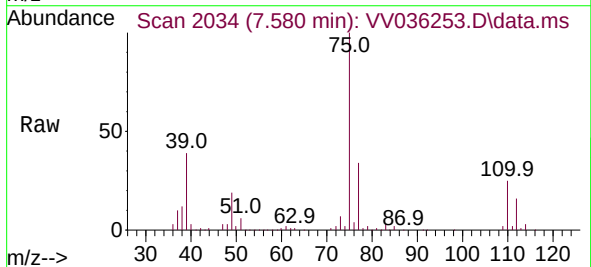
Instrument :  
MSVOA\_V  
ClientSampleId :

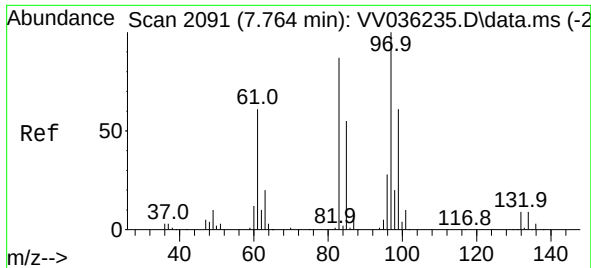
Tgt Ion: 91 Resp: 525362  
Ion Ratio Lower Upper  
91 100  
92 57.1 40.6 75.4



#44  
trans-1,3-Dichloropropene  
Concen: 25.774 ug/L  
RT: 7.580 min Scan# 2034  
Delta R.T. 0.003 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

Tgt Ion: 75 Resp: 159363  
Ion Ratio Lower Upper  
75 100  
77 33.6 23.1 42.9

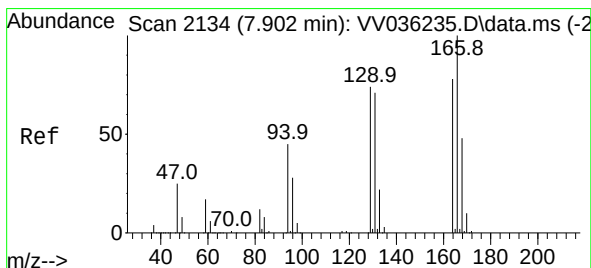
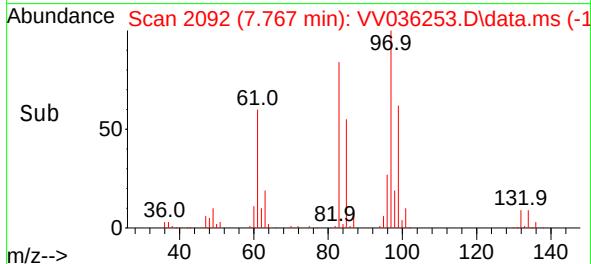
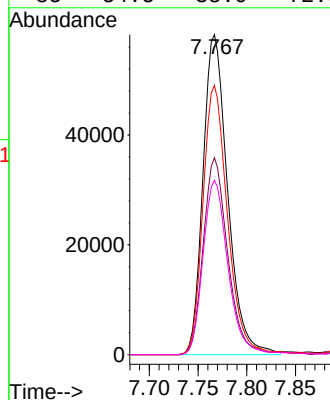
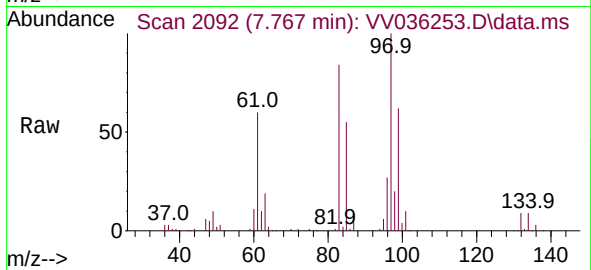




#45  
1,1,2-Trichloroethane  
Concen: 25.939 ug/L  
RT: 7.767 min Scan# 2092  
Delta R.T. 0.003 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

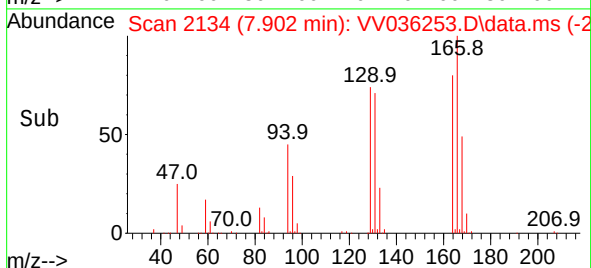
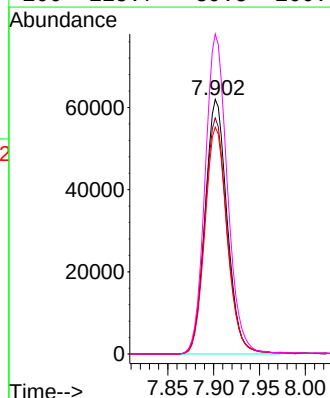
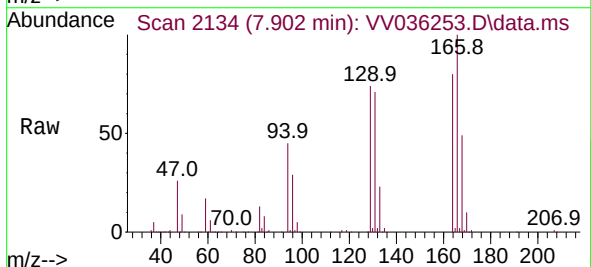
Instrument :  
MSVOA\_V  
ClientSampleId :

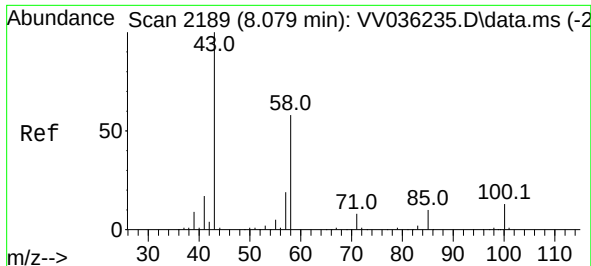
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 102719 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 61.6  | 43.3  | 80.5   |
| 83       | 84.1  | 60.1  | 111.7  |
| 85       | 54.5  | 38.9  | 72.3   |



#46  
Tetrachloroethene  
Concen: 25.444 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. 0.000 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

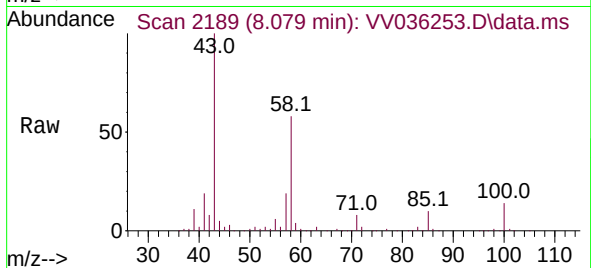
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 103958 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 92.7  | 64.6  | 120.0  |
| 131      | 89.2  | 63.2  | 117.4  |
| 166      | 125.7 | 89.5  | 166.3  |



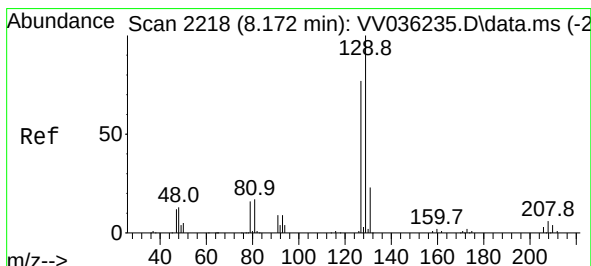
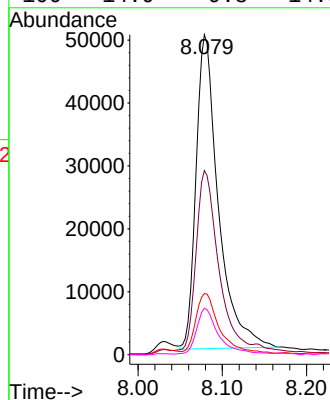
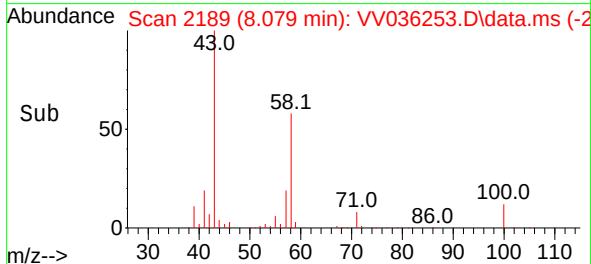


#48  
2-Hexanone  
Concen: 45.267 ug/L  
RT: 8.079 min Scan# 2189  
Delta R.T. 0.000 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

Instrument :  
MSVOA\_V  
ClientSampleId :

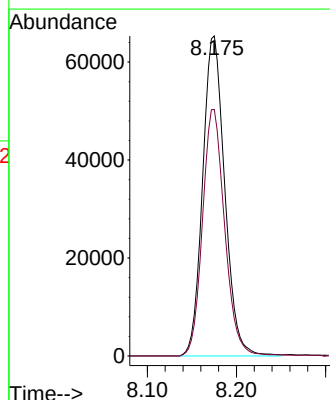
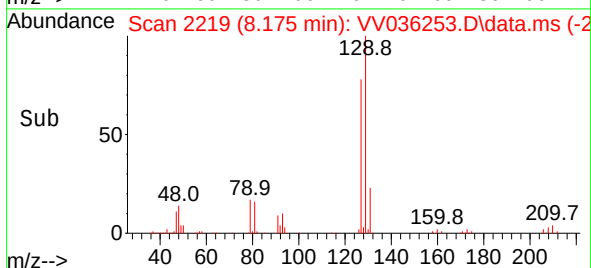
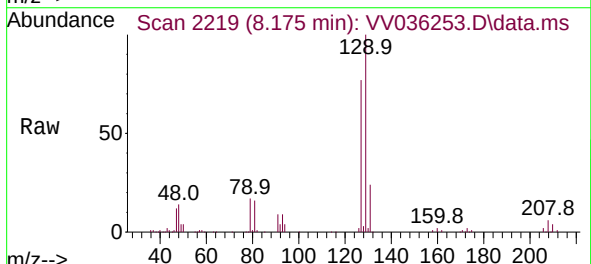


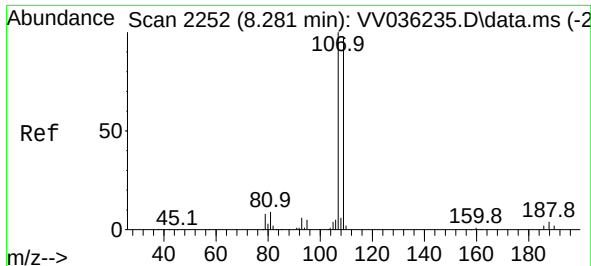
Tgt Ion: 43 Resp: 92023  
Ion Ratio Lower Upper  
43 100  
58 55.8 45.4 68.0  
57 19.5 15.8 23.8  
100 14.9 9.8 14.8#



#49  
Dibromochloromethane  
Concen: 25.925 ug/L  
RT: 8.175 min Scan# 2219  
Delta R.T. 0.003 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

Tgt Ion:129 Resp: 112363  
Ion Ratio Lower Upper  
129 100  
127 77.1 53.9 100.1

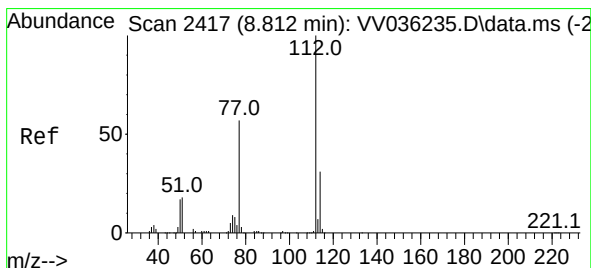
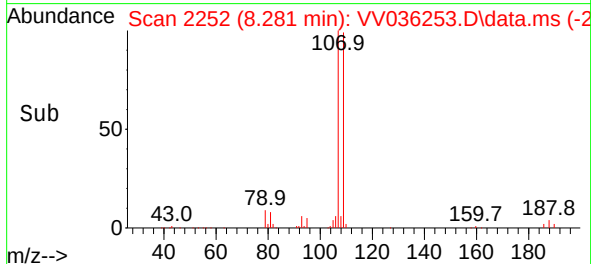
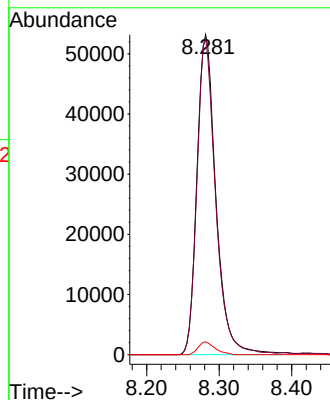
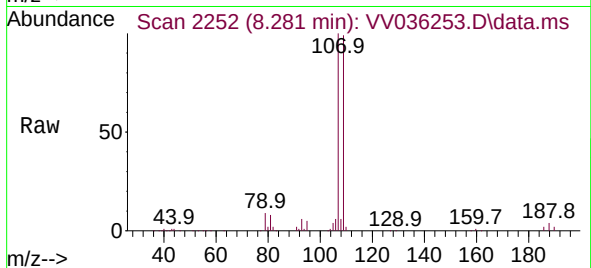




#50  
1,2-Dibromoethane  
Concen: 25.454 ug/L  
RT: 8.281 min Scan# 21  
Delta R.T. -0.000 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

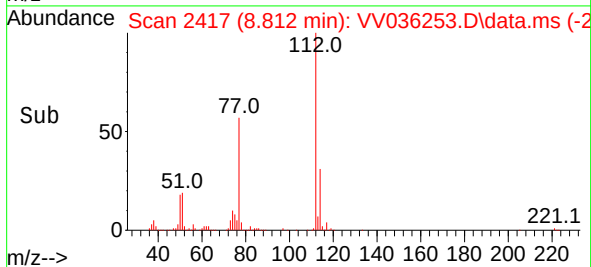
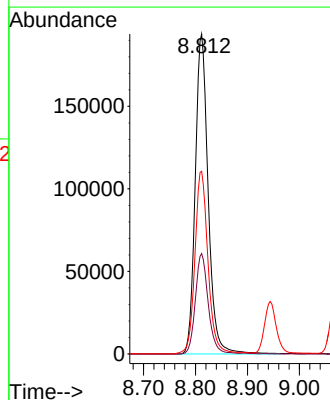
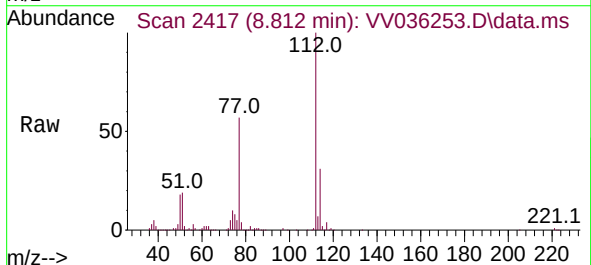
Instrument :  
MSVOA\_V  
ClientSampleId :

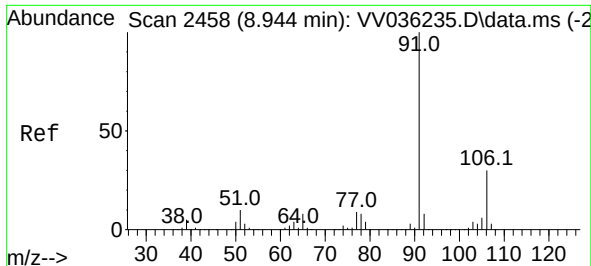
Tgt Ion:107 Resp: 96722  
Ion Ratio Lower Upper  
107 100  
109 98.7 66.1 122.7  
188 4.0 3.0 4.6



#51  
Chlorobenzene  
Concen: 26.429 ug/L  
RT: 8.812 min Scan# 2417  
Delta R.T. 0.000 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

Tgt Ion:112 Resp: 335389  
Ion Ratio Lower Upper  
112 100  
114 31.4 22.3 41.5  
77 57.1 47.3 70.9

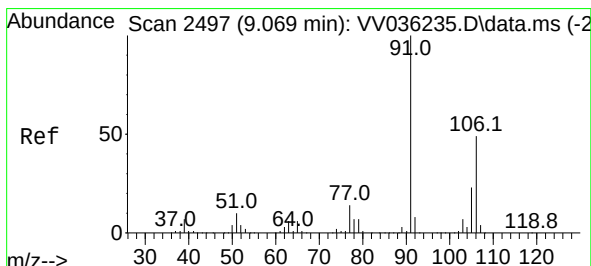
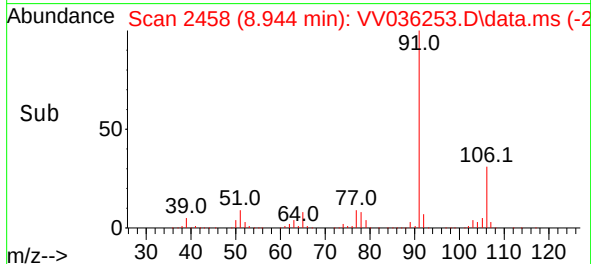
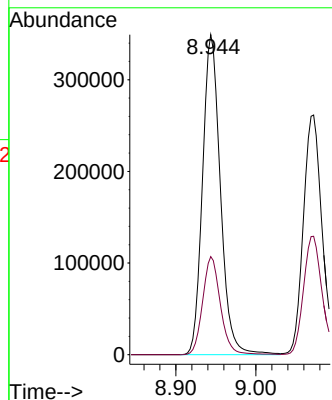
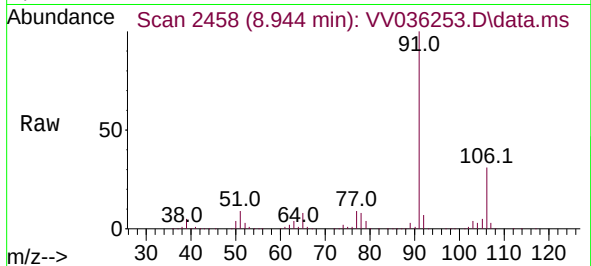




#52  
Ethylbenzene  
Concen: 27.308 ug/L  
RT: 8.944 min Scan# 2458  
Delta R.T. 0.000 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

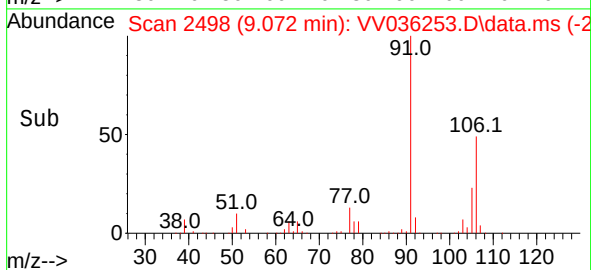
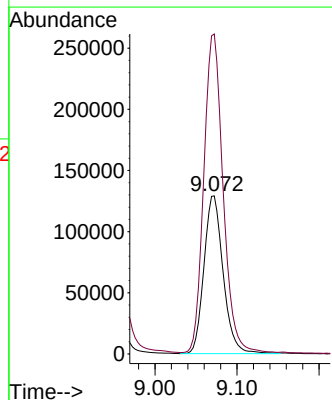
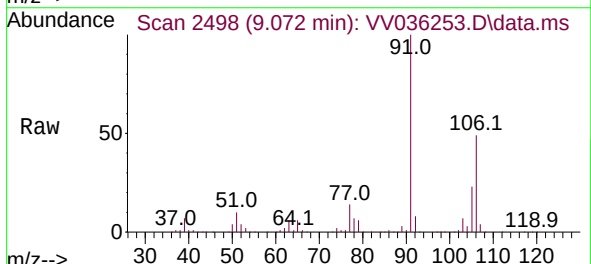
Instrument :  
MSVOA\_V  
ClientSampleId :

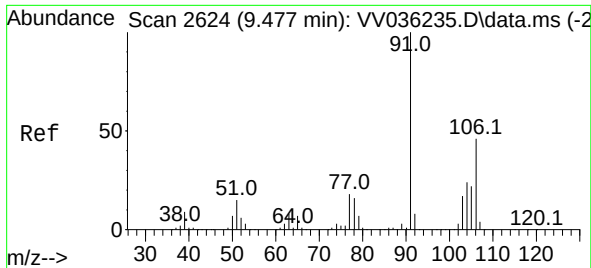
Tgt Ion: 91 Resp: 544170  
Ion Ratio Lower Upper  
91 100  
106 30.6 21.6 40.0



#53  
m,p-Xylene  
Concen: 27.974 ug/L  
RT: 9.072 min Scan# 2498  
Delta R.T. 0.003 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

Tgt Ion:106 Resp: 209454  
Ion Ratio Lower Upper  
106 100  
91 202.4 143.1 265.9

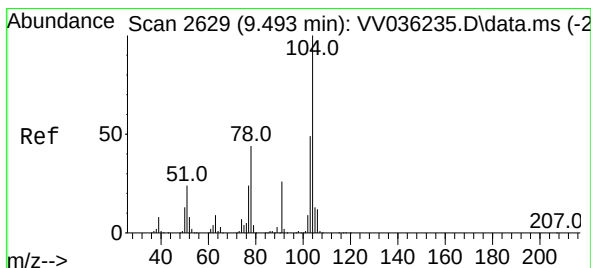
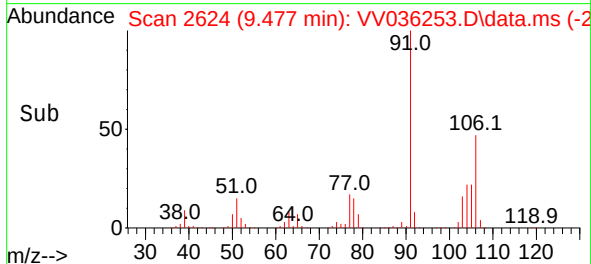
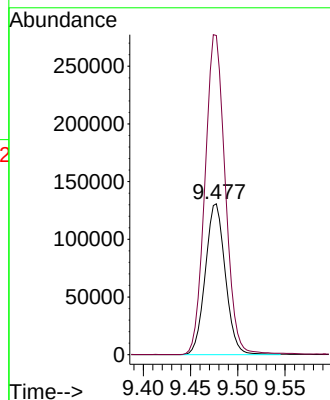
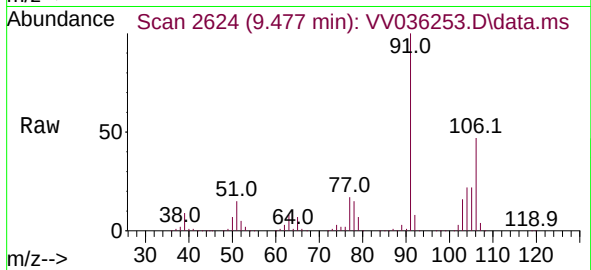




#54  
o-Xylene  
Concen: 27.307 ug/L  
RT: 9.477 min Scan# 2624  
Delta R.T. 0.000 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

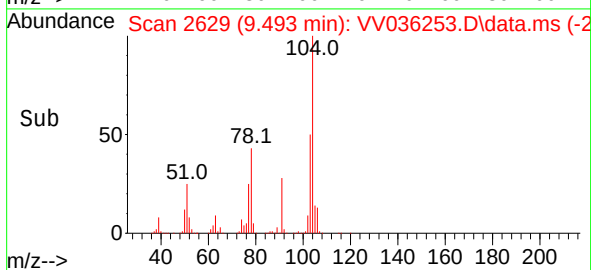
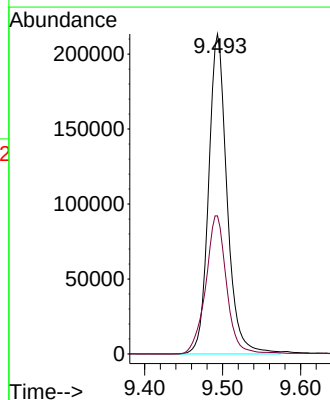
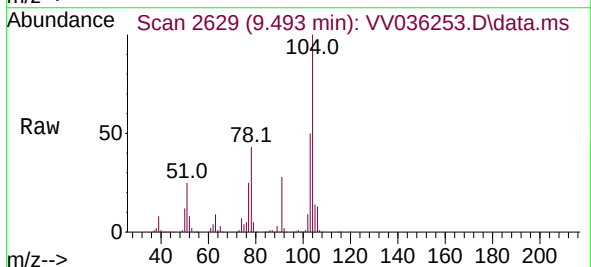
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:106 Resp: 192811  
Ion Ratio Lower Upper  
106 100  
91 211.6 154.5 286.9

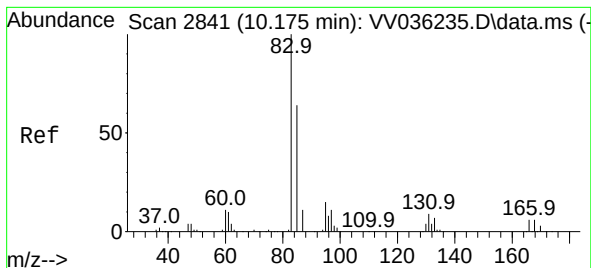


#55  
Styrene  
Concen: 28.172 ug/L  
RT: 9.493 min Scan# 2629  
Delta R.T. 0.000 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

Tgt Ion:104 Resp: 350786  
Ion Ratio Lower Upper  
104 100  
78 43.1 31.4 58.2







#57

1,1,2,2-Tetrachloroethane

Concen: 26.582 ug/L

RT: 10.175 min Scan# 2841

Delta R.T. -0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

ClientSampleId :

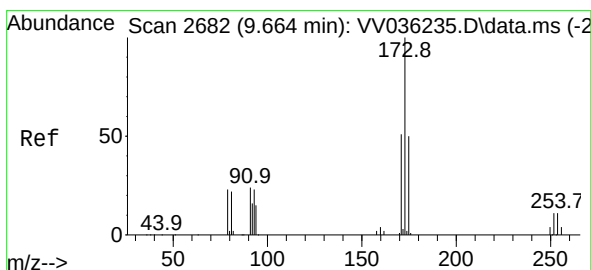
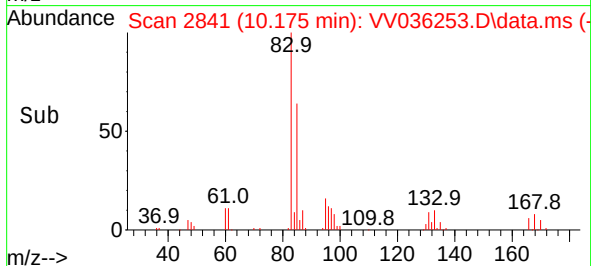
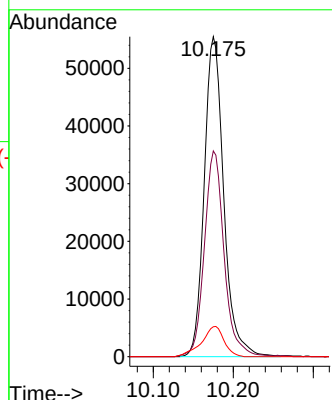
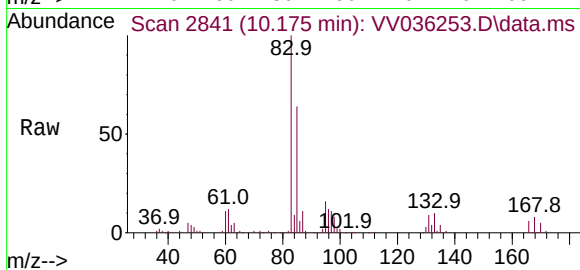
Tgt Ion: 83 Resp: 94259

Ion Ratio Lower Upper

83 100

85 64.3 45.1 83.7

131 9.4 7.6 11.4



#59

Bromoform

Concen: 25.382 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. -0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

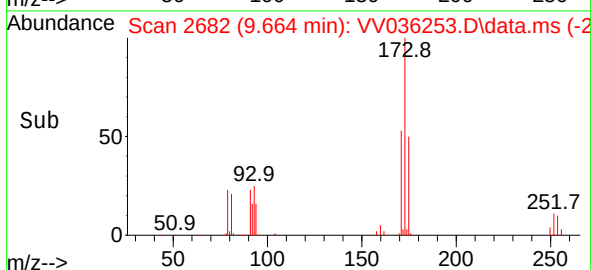
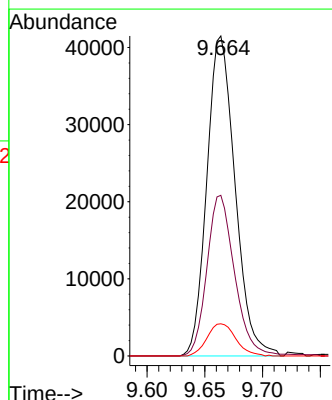
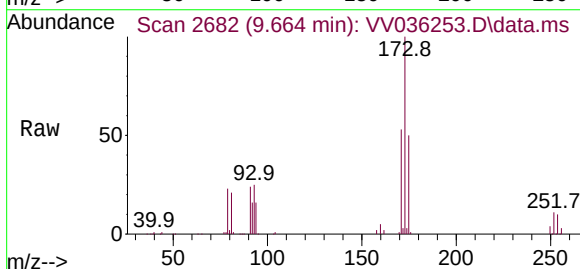
Tgt Ion: 173 Resp: 70570

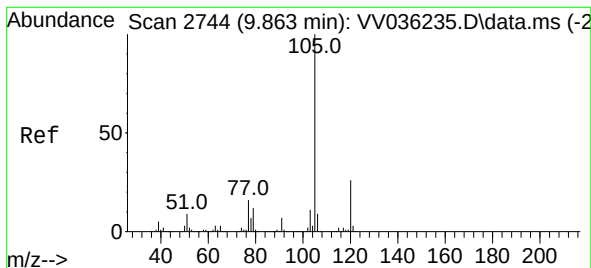
Ion Ratio Lower Upper

173 100

175 49.1 39.0 58.6

254 10.2 8.6 13.0





#60

Isopropylbenzene

Concen: 27.559 ug/L

RT: 9.863 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

ClientSampleId :

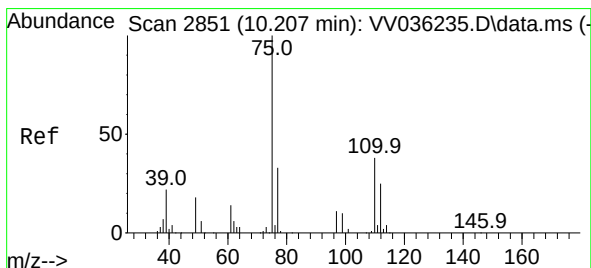
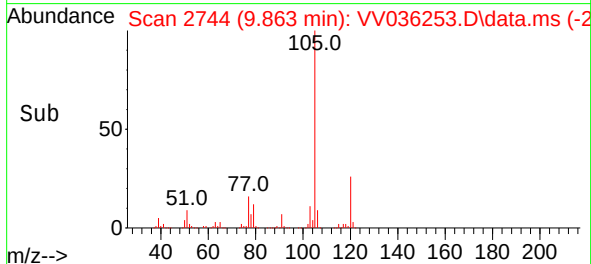
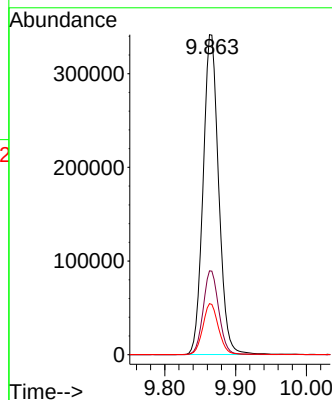
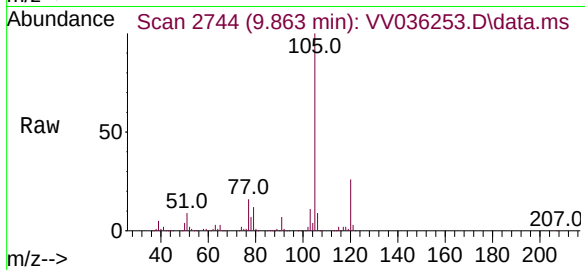
Tgt Ion:105 Resp: 521276

Ion Ratio Lower Upper

105 100

120 26.4 21.0 31.6

77 15.9 12.6 18.8



#61

1,2,3-Trichloropropane

Concen: 25.357 ug/L

RT: 10.207 min Scan# 2851

Delta R.T. -0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

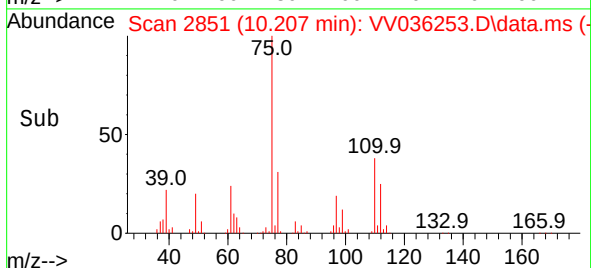
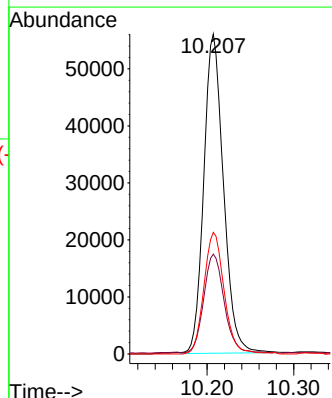
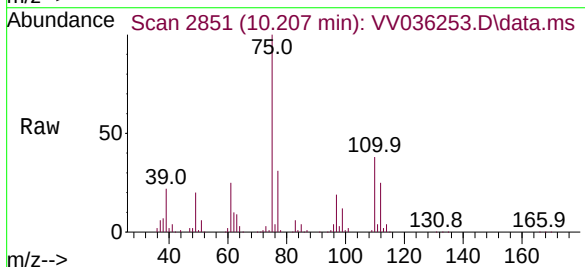
Tgt Ion: 75 Resp: 88416

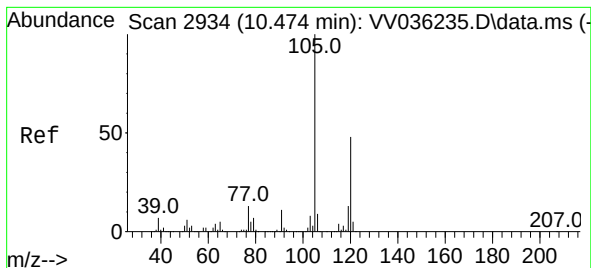
Ion Ratio Lower Upper

75 100

77 31.8 26.0 39.0

110 39.2 32.2 48.4





#62

1,3,5-Trimethylbenzene

Concen: 26.219 ug/L

RT: 10.474 min Scan# 2934

Delta R.T. 0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

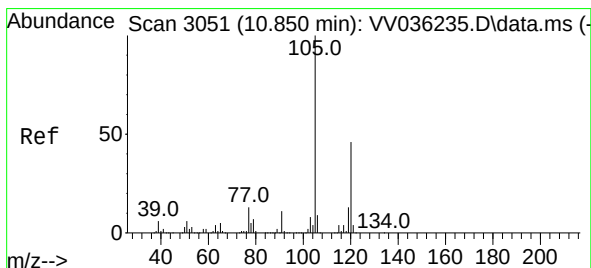
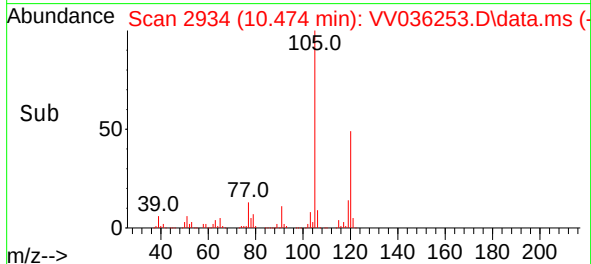
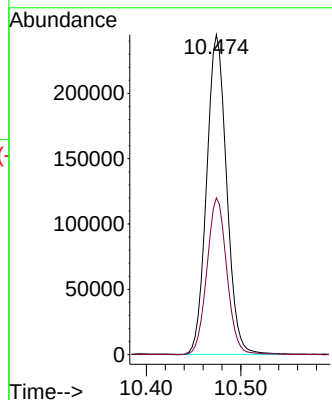
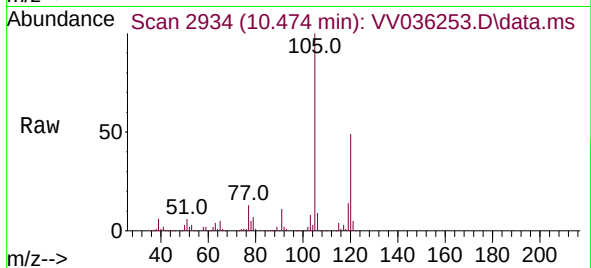
ClientSampleId :

Tgt Ion:105 Resp: 359611

Ion Ratio Lower Upper

105 100

120 48.9 38.6 58.0



#63

1,2,4-Trimethylbenzene

Concen: 27.137 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.000 min

Lab File: VV036253.D

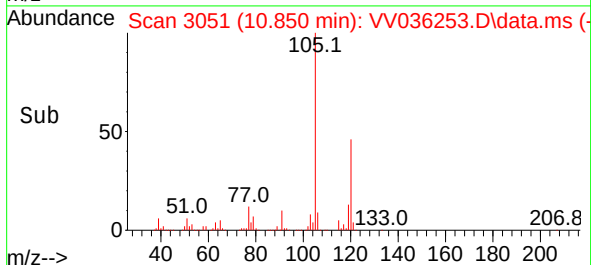
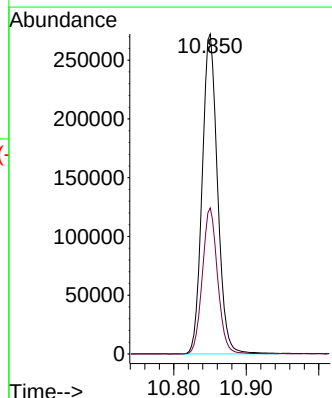
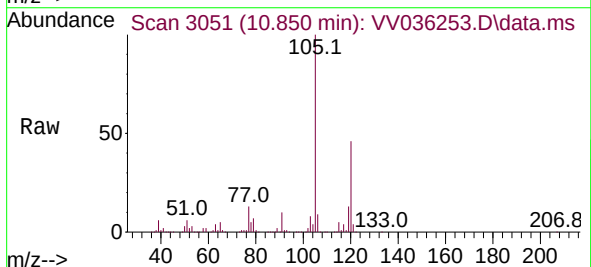
Acq: 24 Jun 2024 18:19

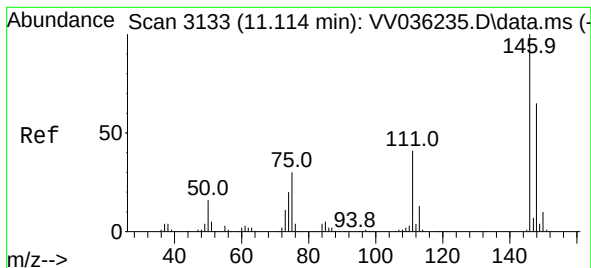
Tgt Ion:105 Resp: 401019

Ion Ratio Lower Upper

105 100

120 45.2 36.2 54.4





#64

1,3-Dichlorobenzene

Concen: 25.327 ug/L

RT: 11.114 min Scan# 3133

Delta R.T. -0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

ClientSampleId :

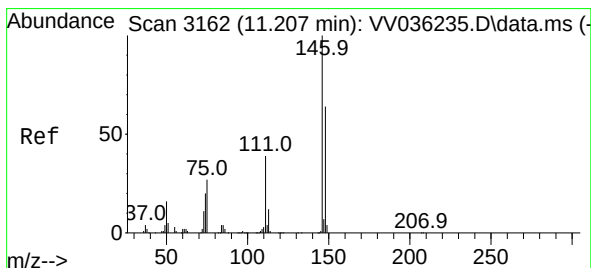
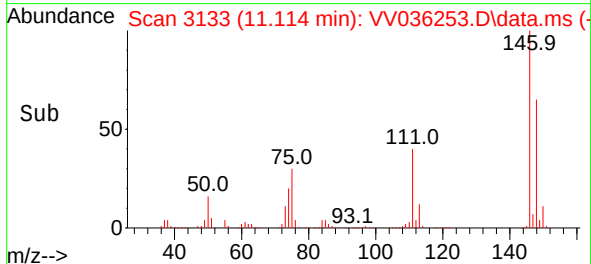
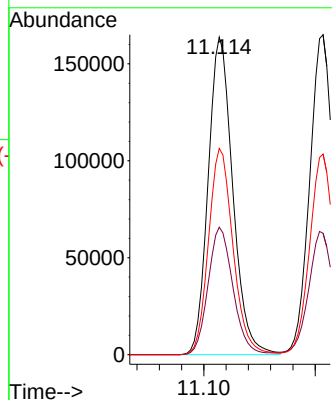
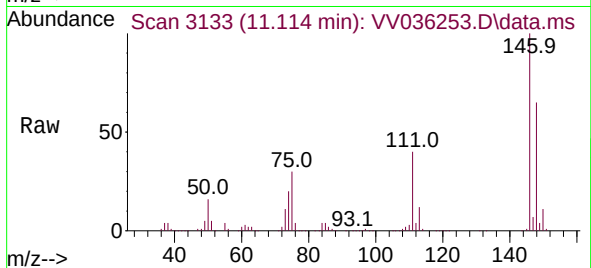
Tgt Ion:146 Resp: 251583

Ion Ratio Lower Upper

146 100

111 40.2 28.1 52.1

148 64.9 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 25.127 ug/L

RT: 11.207 min Scan# 3162

Delta R.T. 0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

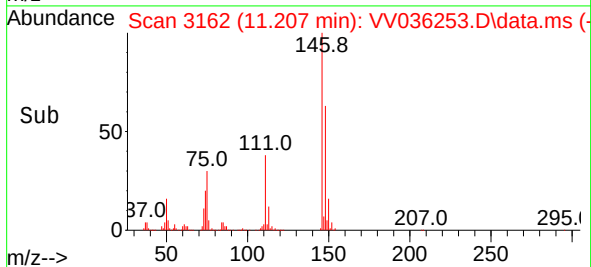
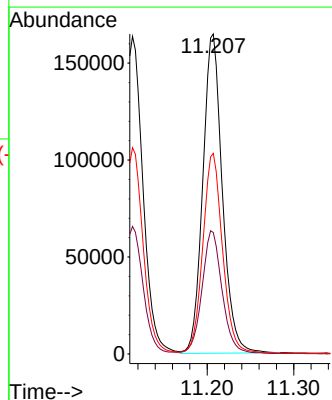
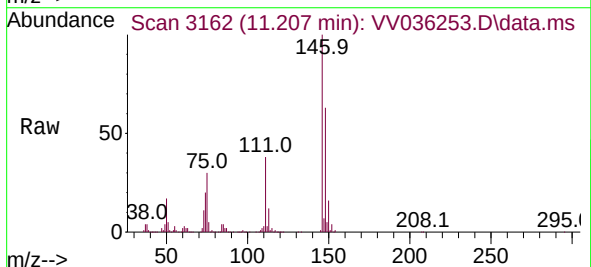
Tgt Ion:146 Resp: 257623

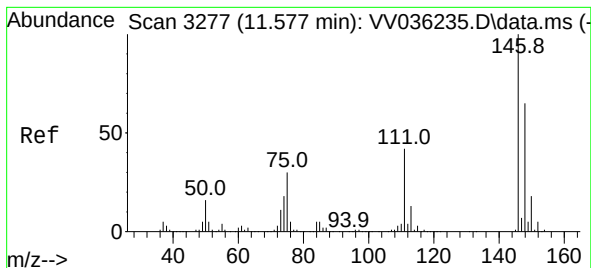
Ion Ratio Lower Upper

146 100

111 37.9 26.9 50.1

148 62.7 44.5 82.7





#67

1,2-Dichlorobenzene

Concen: 24.948 ug/L

RT: 11.577 min Scan# 3277

Delta R.T. 0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

ClientSampleId :

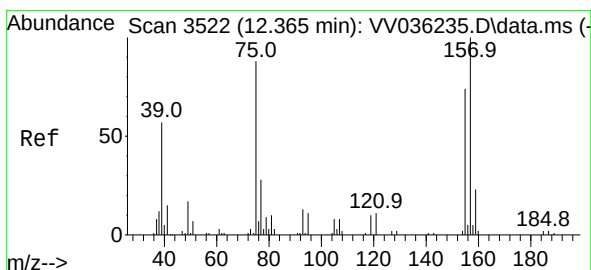
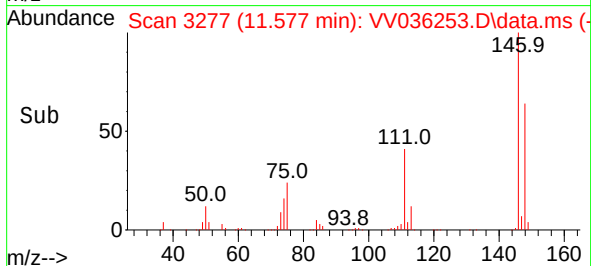
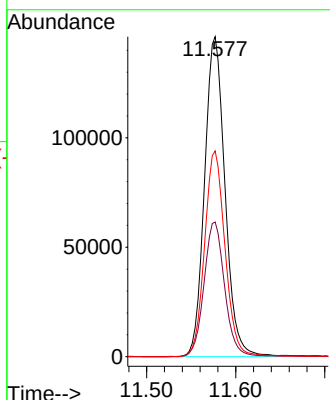
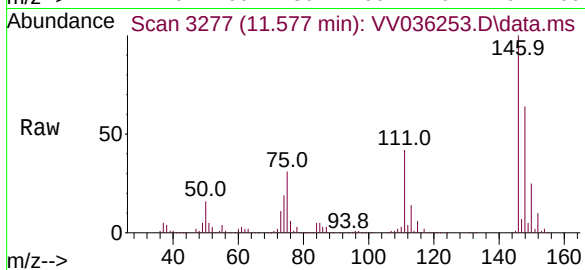
Tgt Ion:146 Resp: 233195

Ion Ratio Lower Upper

146 100

111 42.1 33.5 50.3

148 64.3 50.9 76.3



#68

1,2-Dibromo-3-chloropropane

Concen: 25.035 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. -0.003 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

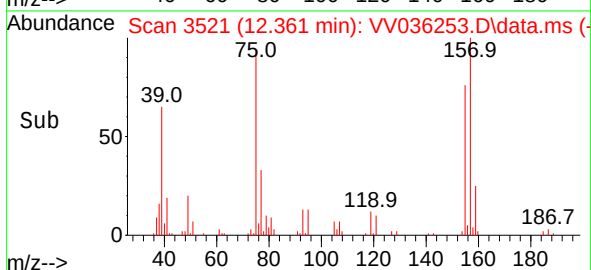
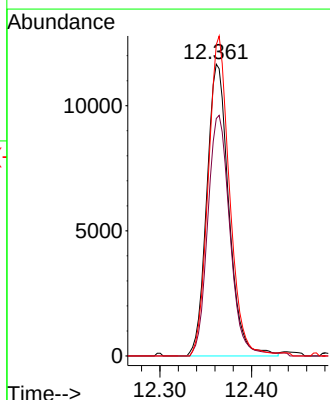
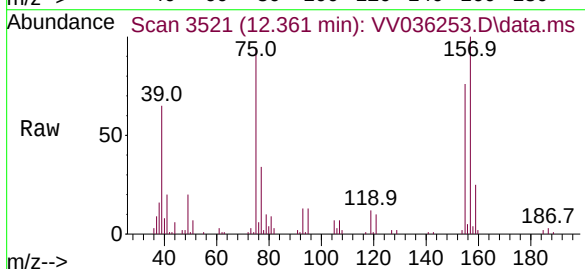
Tgt Ion: 75 Resp: 19520

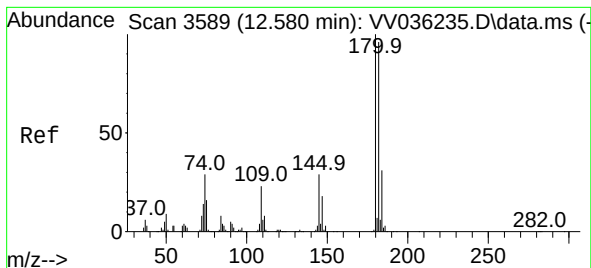
Ion Ratio Lower Upper

75 100

155 81.3 63.3 94.9

157 106.6 82.4 123.6





#69

1,3,5-Trichlorobenzene

Concen: 22.994 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.000 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion:180 Resp: 170847

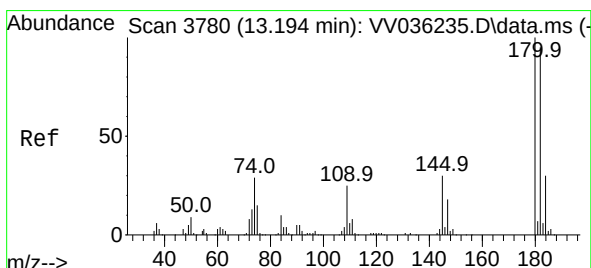
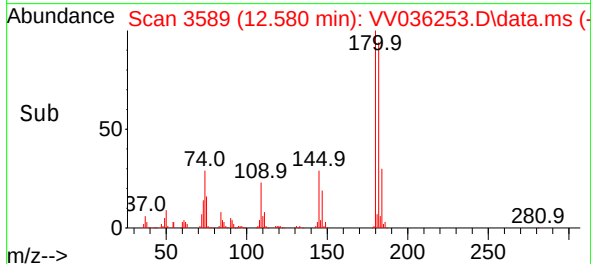
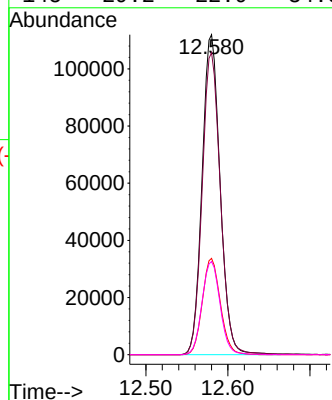
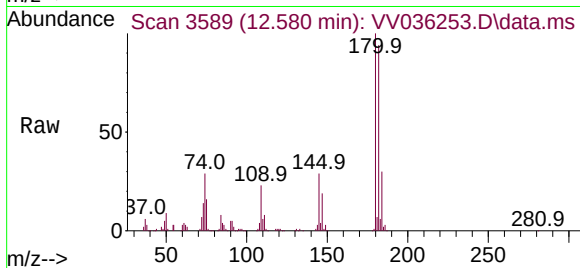
Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.4

184 30.0 24.2 36.2

145 29.2 22.9 34.3



#70

1,2,4-trichlorobenzene

Concen: 23.099 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.003 min

Lab File: VV036253.D

Acq: 24 Jun 2024 18:19

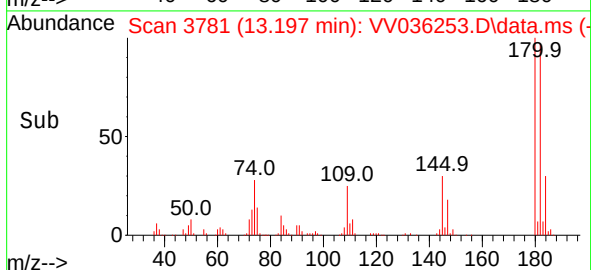
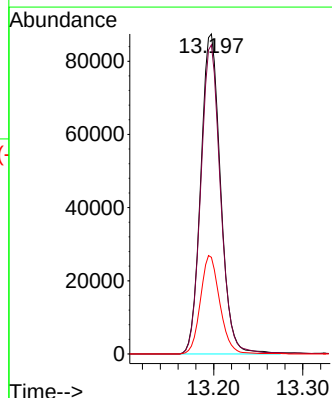
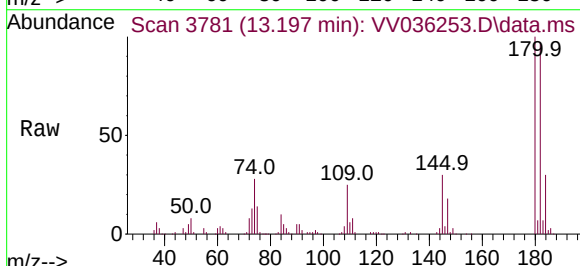
Tgt Ion:180 Resp: 135139

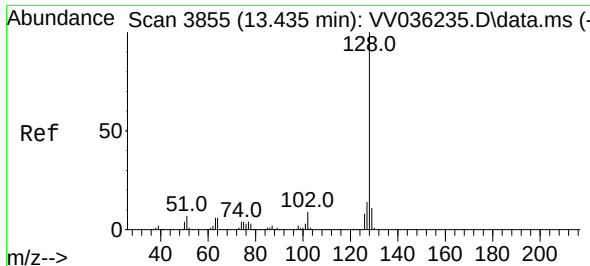
Ion Ratio Lower Upper

180 100

182 96.0 76.1 114.1

145 30.0 23.5 35.3

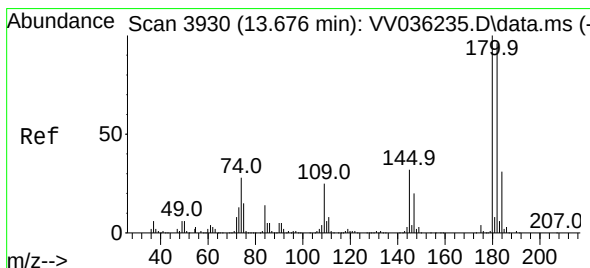
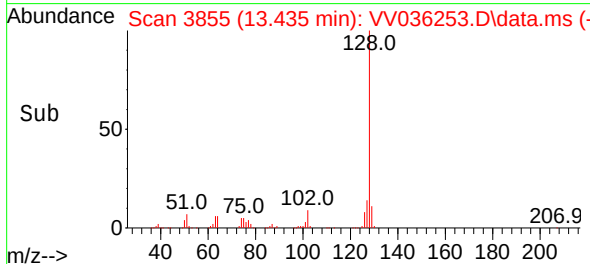
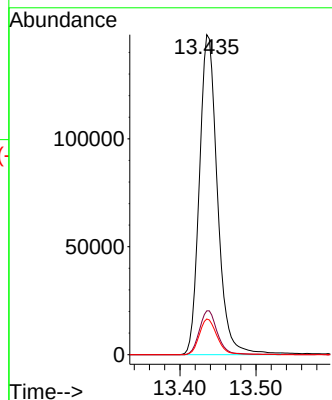
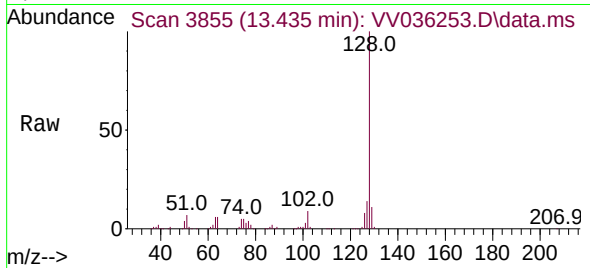




#71  
Naphthalene  
Concen: 25.612 ug/L  
RT: 13.435 min Scan# 3855  
Delta R.T. -0.000 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 244529  
Ion Ratio Lower Upper  
128 100  
127 13.6 10.6 16.0  
129 11.0 8.8 13.2



#72  
1,2,3-Trichlorobenzene  
Concen: 25.017 ug/L  
RT: 13.676 min Scan# 3930  
Delta R.T. -0.000 min  
Lab File: VV036253.D  
Acq: 24 Jun 2024 18:19

Tgt Ion:180 Resp: 133557  
Ion Ratio Lower Upper  
180 100  
182 92.8 75.1 112.7  
145 30.7 25.2 37.8

