

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV082624\  
 Data File : VV037019.D  
 Acq On : 26 Aug 2024 11:43  
 Operator : SY/MD  
 Sample : VSTD005  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 27 01:06:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 27 01:02:05 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| -----                         |        |      |          |        |        |          |
| Internal Standards            |        |      |          |        |        |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114  | 640653   | 50.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117  | 611027   | 50.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.181 | 152  | 296153   | 50.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |        |        |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 34093    | 5.817  | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 26951    | 5.950  | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65   | 14026    | 5.694  | ug/L   | 0.00     |
| 21) 2-Butanone-d5             | 3.789  | 46   | 76       | 0.035  | ug/L   | 0.00     |
| 24) Chloroform-d              | 4.249  | 84   | 52215    | 5.693  | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.944  | 65   | 32790    | 5.677  | ug/L   | 0.00     |
| 32) Benzene-d6                | 4.960  | 84   | 105441   | 5.713  | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.992  | 67   | 33592    | 5.811  | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.246  | 98   | 90188    | 5.415  | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.564  | 79   | 14761    | 5.520  | ug/L   | 0.02     |
| 47) 2-Hexanone-d5             | 8.043  | 63   | 13459    | 8.832  | ug/L   | 0.02     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.153 | 84   | 40769    | 5.815  | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152  | 35478    | 5.981  | ug/L   | 0.00     |
| Target Compounds              |        |      |          |        |        |          |
|                               |        |      |          |        |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 12474    | 2.304  | ug/L   | 98       |
| 3) Chloromethane              | 1.217  | 50   | 15010    | 2.465  | ug/L   | 98       |
| 5) Vinyl chloride             | 1.282  | 62   | 12874    | 2.252  | ug/L   | 89       |
| 6) Bromomethane               | 1.487  | 94   | 7913     | 2.471  | ug/L   | 99       |
| 8) Chloroethane               | 1.548  | 64   | 7753     | 2.218  | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.712  | 101  | 16852    | 2.259  | ug/L   | 94       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101  | 11490    | 2.590  | ug/L   | 97       |
| 12) 1,1-Dichloroethene        | 2.069  | 96   | 10540    | 2.522  | ug/L # | 43       |
| 13) Acetone                   | 2.114  | 43   | 10704    | 4.507  | ug/L   | 90       |
| 14) Carbon disulfide          | 2.240  | 76   | 38328    | 3.021  | ug/L   | 96       |
| 15) Methyl Acetate            | 2.372  | 43   | 10197    | 2.499  | ug/L   | 98       |
| 16) Methylene chloride        | 2.442  | 84   | 11798    | 2.502  | ug/L   | 95       |
| 17) trans-1,2-Dichloroethene  | 2.690  | 96   | 11667    | 2.689  | ug/L   | 88       |
| 18) Methyl tert-butyl Ether   | 2.706  | 73   | 30742    | 2.252  | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.108  | 63   | 20388    | 2.366  | ug/L   | 98       |
| 20) cis-1,2-Dichloroethene    | 3.812  | 96   | 10920    | 2.278  | ug/L   | 94       |
| 22) 2-Butanone                | 3.802  | 43   | 256      | 0.099  | ug/L   | 83       |
| 23) Bromochloromethane        | 4.150  | 128  | 5159     | 2.192  | ug/L   | 95       |
| 25) Chloroform                | 4.281  | 83   | 23684    | 2.714  | ug/L   | 91       |
| 27) 1,2-Dichloroethane        | 5.053  | 62   | 13325    | 2.093  | ug/L   | 98       |
| 29) Cyclohexane               | 4.574  | 56   | 16950    | 2.359  | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 4.510  | 97   | 15322    | 2.179  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.725  | 117  | 6496     | 1.095  | ug/L # | 12       |
| 33) Benzene                   | 5.011  | 78   | 40165    | 2.278  | ug/L   | 100      |
| 34) Trichloroethene           | 5.841  | 95   | 11307    | 2.429  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.047  | 83   | 16500    | 2.201  | ug/L   | 97       |
| 37) 1,2-Dichloropropane       | 6.101  | 63   | 9956     | 2.104  | ug/L # | 96       |
| 38) Bromodichloromethane      | 6.436  | 83   | 12573    | 2.075  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 6.966  | 75   | 14499    | 1.969  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.137  | 43   | 88       | 0.019  | ug/L # | 43       |
| 42) Toluene                   | 7.323  | 91   | 39761    | 2.166  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 7.593  | 75   | 13227    | 2.010  | ug/L   | 99       |

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 Data File : VV037019.D  
 Acq On : 26 Aug 2024 11:43  
 Operator : SY/MD  
 Sample : VSTD005  
 Misc : 5.00mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

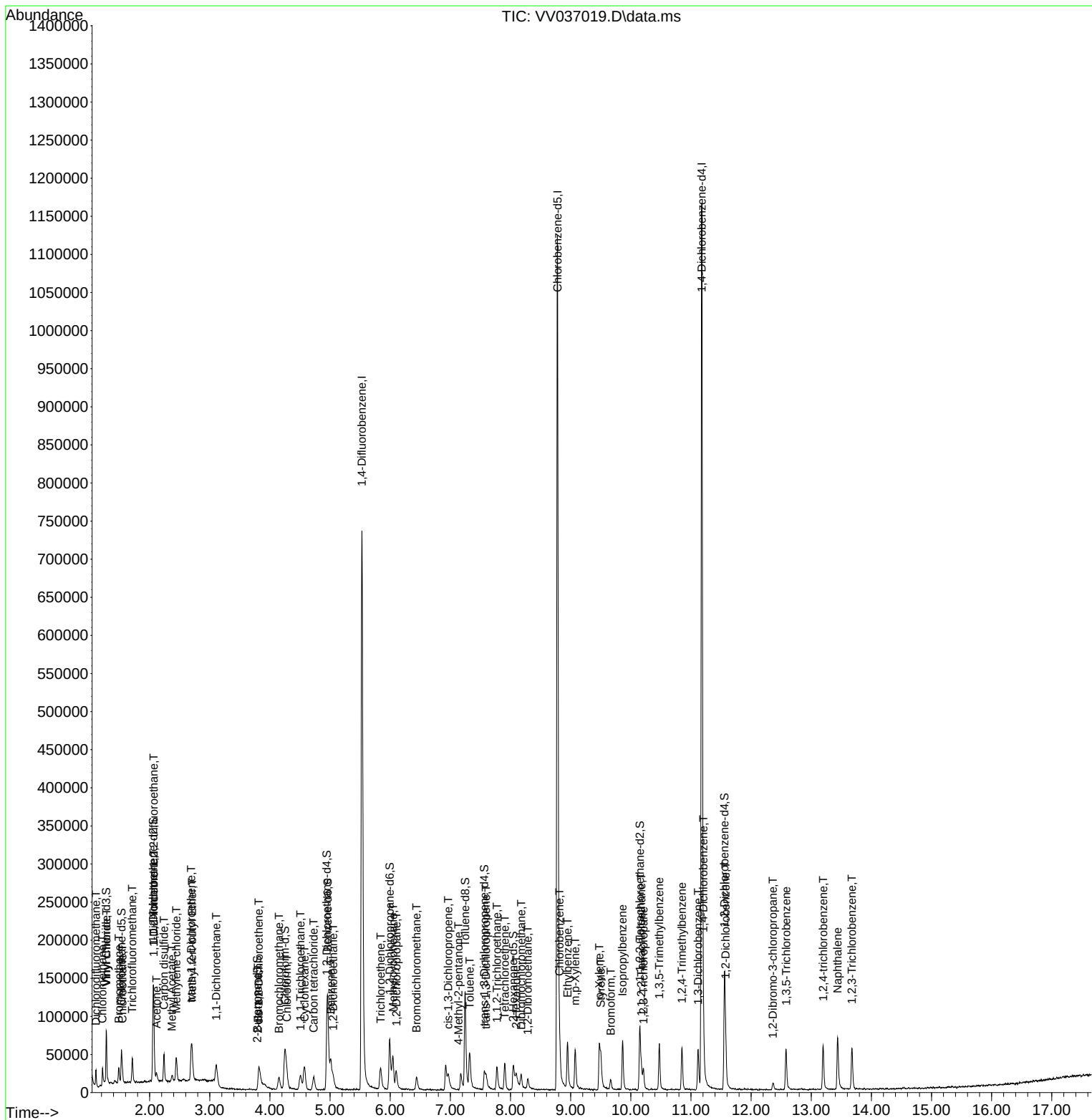
Instrument :  
 MSVOA\_V  
 ClientSampleId :

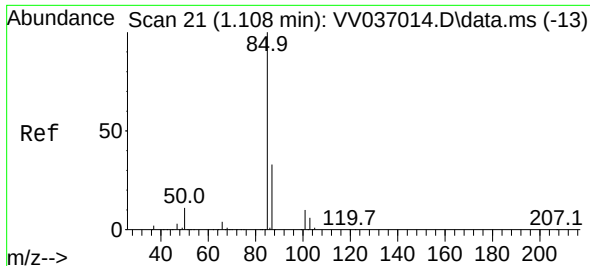
Quant Time: Aug 27 01:06:00 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082624WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 27 01:02:05 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 10219    | 2.322 | ug/L   | 96       |
| 46) Tetrachloroethene         | 7.905  | 164  | 8175     | 2.448 | ug/L   | 91       |
| 48) 2-Hexanone                | 8.095  | 43   | 13353    | 3.702 | ug/L # | 90       |
| 49) Dibromochloromethane      | 8.178  | 129  | 9441     | 2.142 | ug/L   | 90       |
| 50) 1,2-Dibromoethane         | 8.288  | 107  | 9619     | 2.160 | ug/L # | 91       |
| 51) Chlorobenzene             | 8.815  | 112  | 29067    | 2.391 | ug/L   | 93       |
| 52) Ethylbenzene              | 8.950  | 91   | 44706    | 2.156 | ug/L   | 100      |
| 53) m,p-Xylene                | 9.075  | 106  | 15515    | 2.019 | ug/L   | 94       |
| 54) o-Xylene                  | 9.477  | 106  | 15593    | 2.073 | ug/L   | 93       |
| 55) Styrene                   | 9.503  | 104  | 25318    | 1.952 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 14358    | 2.203 | ug/L # | 97       |
| 59) Bromoform                 | 9.667  | 173  | 5972     | 2.163 | ug/L   | 97       |
| 60) Isopropylbenzene          | 9.863  | 105  | 42288    | 2.203 | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.210 | 75   | 11096    | 2.409 | ug/L   | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.474 | 105  | 33998    | 2.164 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 31490    | 2.009 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.120 | 146  | 22334    | 2.519 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.207 | 146  | 24195    | 2.666 | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 22849    | 2.621 | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 2663     | 2.318 | ug/L   | 89       |
| 69) 1,3,5-Trichlorobenzene    | 12.583 | 180  | 16489    | 2.673 | ug/L   | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.197 | 180  | 16299    | 2.806 | ug/L   | 96       |
| 71) Naphthalene               | 13.439 | 128  | 61062    | 3.640 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.677 | 180  | 16632    | 2.905 | ug/L   | 95       |
| -----                         |        |      |          |       |        |          |

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

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Quant Title : VOC Analysis  
QLast Update : Tue Aug 27 01:02:05 2024  
Response via : Initial Calibration

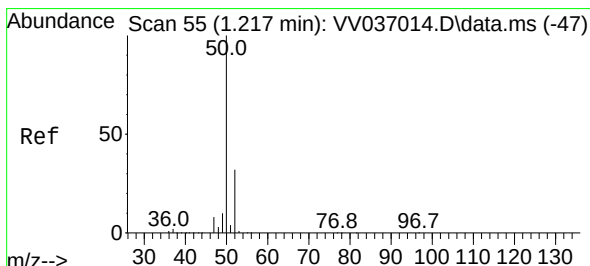
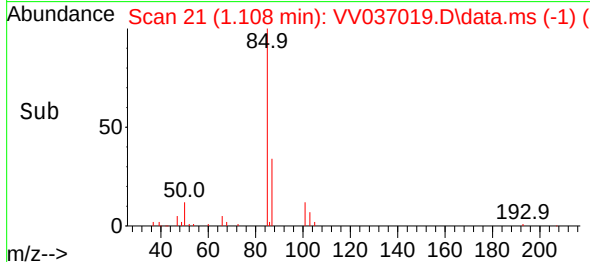
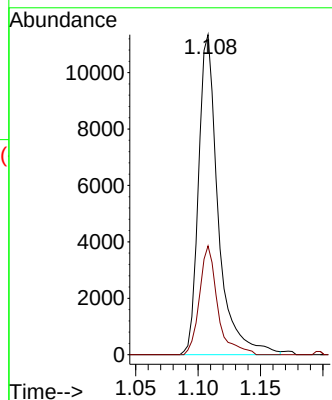
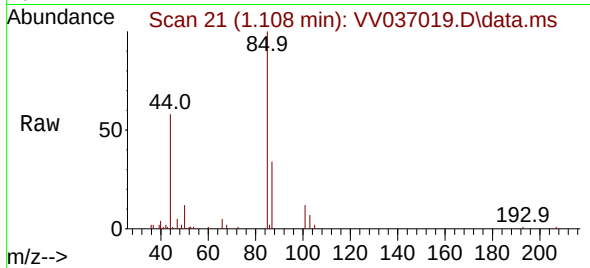




#2  
 Dichlorodifluoromethane  
 Concen: 2.304 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV037019.D  
 Acq: 26 Aug 2024 11:43

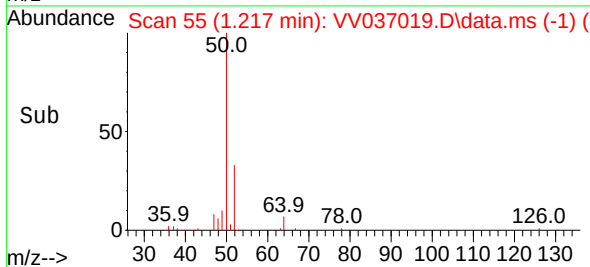
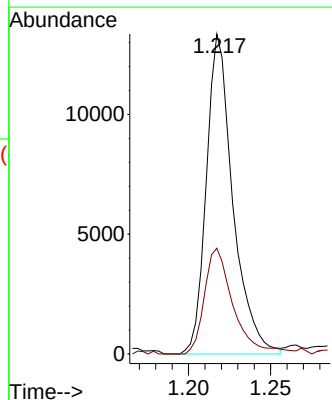
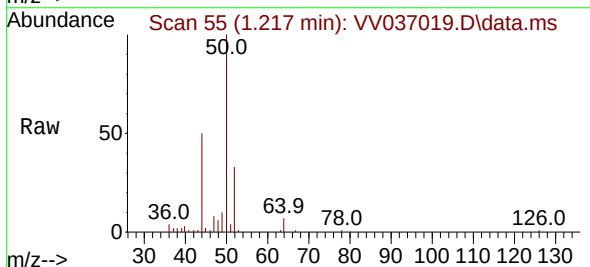
Instrument :  
 MSVOA\_V  
 ClientSampleId :

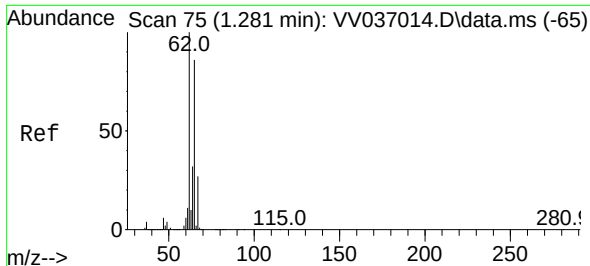
Tgt Ion: 85 Resp: 12474  
 Ion Ratio Lower Upper  
 85 100  
 87 31.4 25.9 38.9



#3  
 Chloromethane  
 Concen: 2.465 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. 0.000 min  
 Lab File: VV037019.D  
 Acq: 26 Aug 2024 11:43

Tgt Ion: 50 Resp: 15010  
 Ion Ratio Lower Upper  
 50 100  
 52 33.0 22.5 41.9

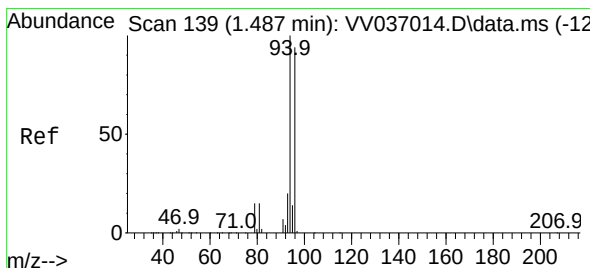
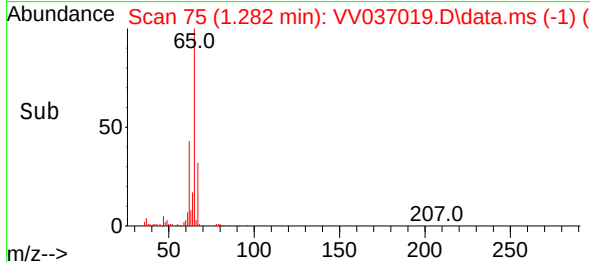
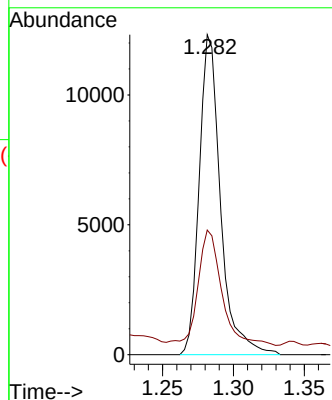
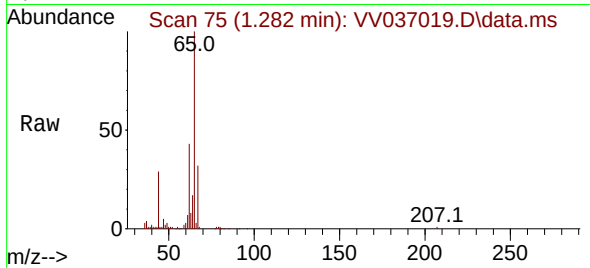




#5  
 Vinyl chloride  
 Concen: 2.252 ug/L  
 RT: 1.282 min Scan# 75  
 Delta R.T. 0.000 min  
 Lab File: VV037019.D  
 Acq: 26 Aug 2024 11:43

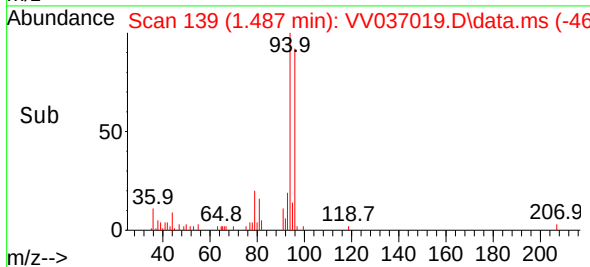
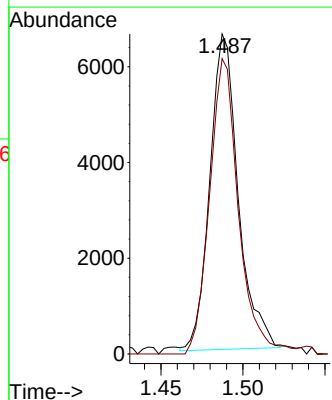
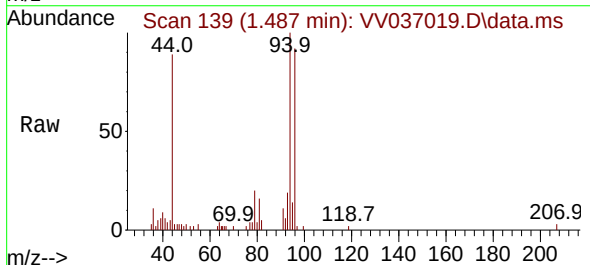
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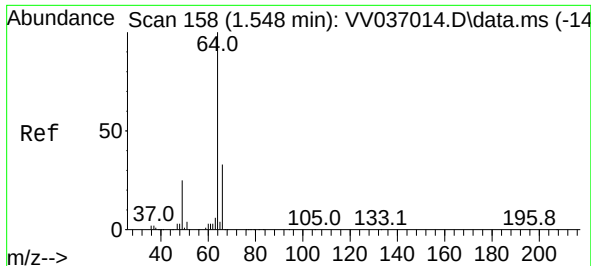
Tgt Ion: 62 Resp: 12874  
 Ion Ratio Lower Upper  
 62 100  
 64 38.9 22.8 42.4



#6  
 Bromomethane  
 Concen: 2.471 ug/L  
 RT: 1.487 min Scan# 139  
 Delta R.T. 0.000 min  
 Lab File: VV037019.D  
 Acq: 26 Aug 2024 11:43

Tgt Ion: 94 Resp: 7913  
 Ion Ratio Lower Upper  
 94 100  
 96 92.3 65.6 121.8

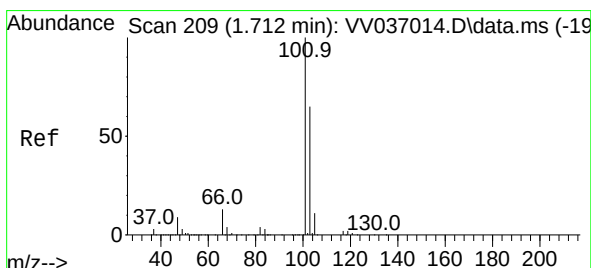
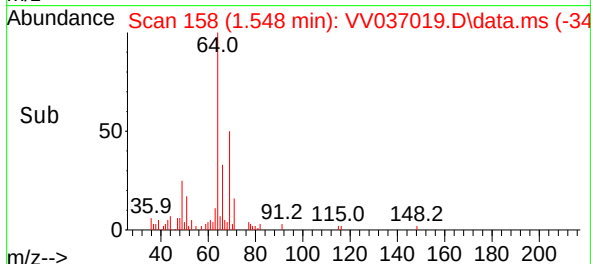
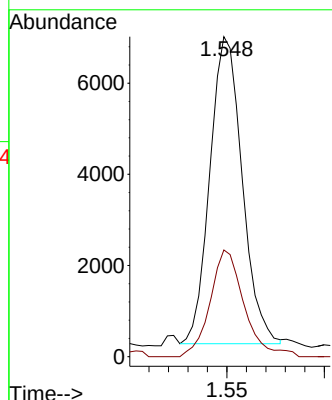
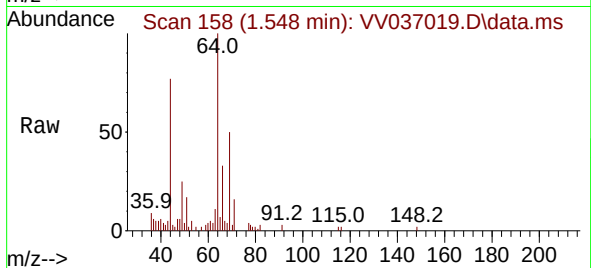




#8  
Chloroethane  
Concen: 2.218 ug/L  
RT: 1.548 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

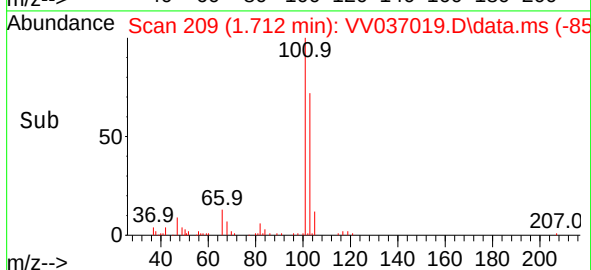
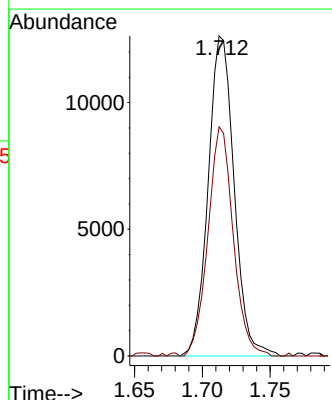
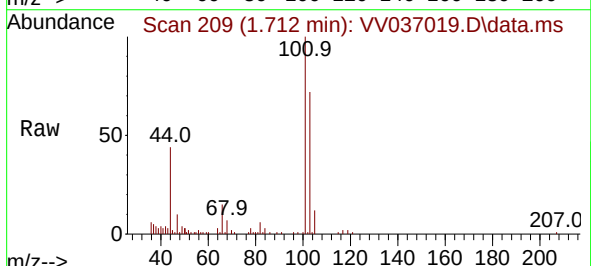
Instrument :  
MSVOA\_V  
ClientSampleId :

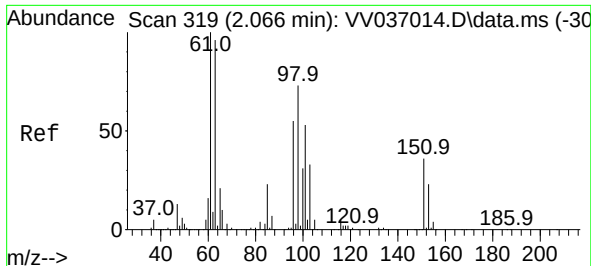
Tgt Ion: 64 Resp: 7753  
Ion Ratio Lower Upper  
64 100  
66 33.3 22.8 42.4



#9  
Trichlorofluoromethane  
Concen: 2.259 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. 0.000 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

Tgt Ion:101 Resp: 16852  
Ion Ratio Lower Upper  
101 100  
103 69.5 51.7 77.5

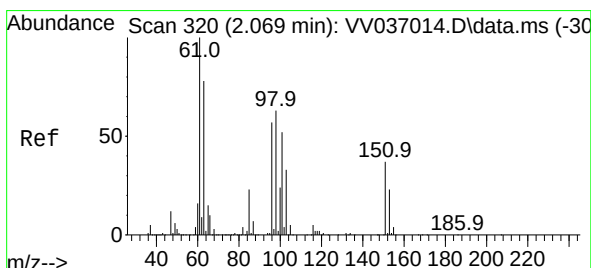
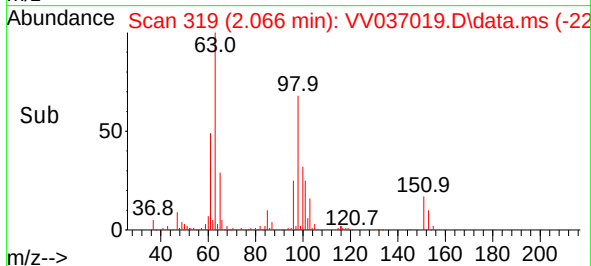
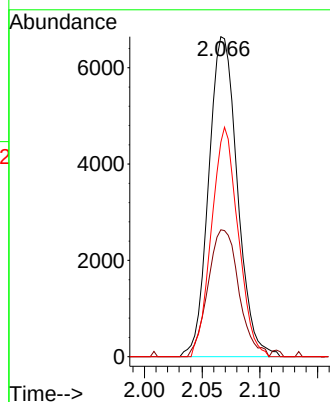
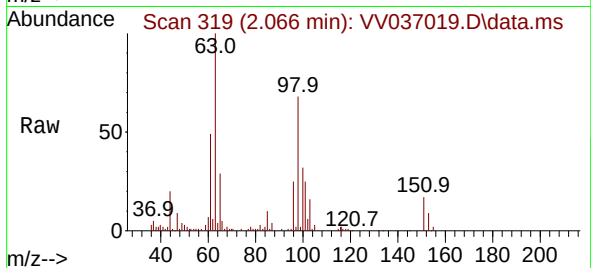




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 2.590 ug/L  
 RT: 2.066 min Scan# 319  
 Delta R.T. 0.000 min  
 Lab File: VV037019.D  
 Acq: 26 Aug 2024 11:43

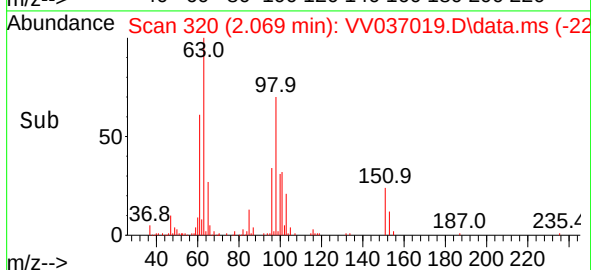
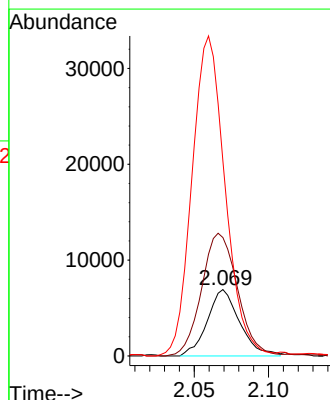
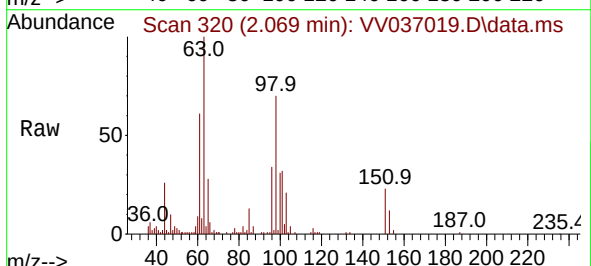
Instrument :  
 MSVOA\_V  
 ClientSampleId :

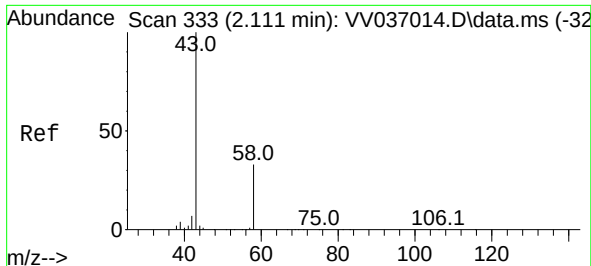
Tgt Ion: 101 Resp: 11490  
 Ion Ratio Lower Upper  
 101 100  
 85 41.9 35.6 53.4  
 151 66.6 55.0 82.4



#12  
 1,1-Dichloroethene  
 Concen: 2.522 ug/L  
 RT: 2.069 min Scan# 320  
 Delta R.T. 0.000 min  
 Lab File: VV037019.D  
 Acq: 26 Aug 2024 11:43

Tgt Ion: 96 Resp: 10540  
 Ion Ratio Lower Upper  
 96 100  
 61 178.3 123.8 229.8  
 63 293.0 96.5 179.1#





#13

Acetone

Concen: 4.507 ug/L

RT: 2.114 min Scan# 333

Delta R.T. 0.003 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

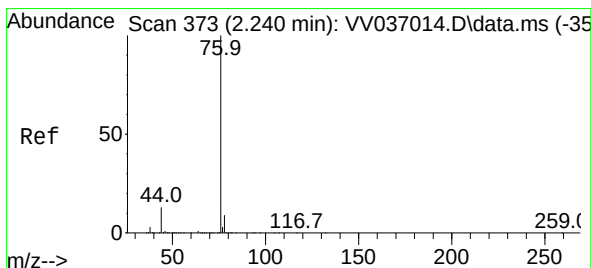
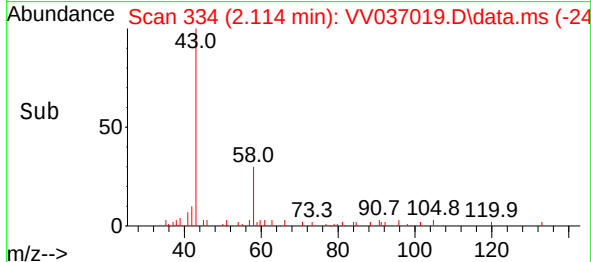
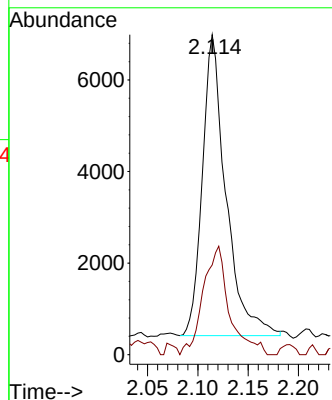
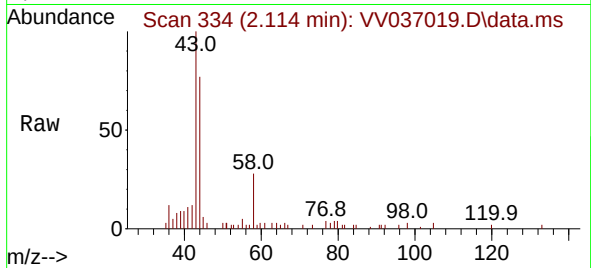
ClientSampleId :

Tgt Ion: 43 Resp: 10704

Ion Ratio Lower Upper

43 100

58 38.2 0.0 64.8



#14

Carbon disulfide

Concen: 3.021 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV037019.D

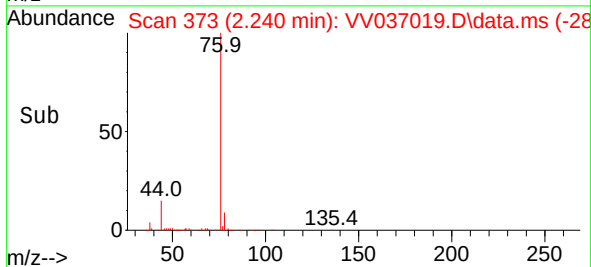
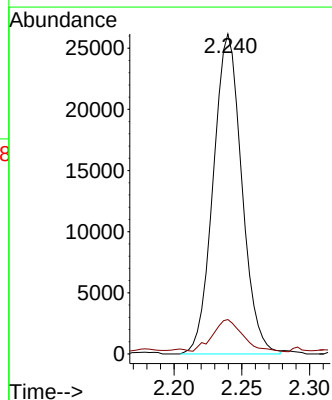
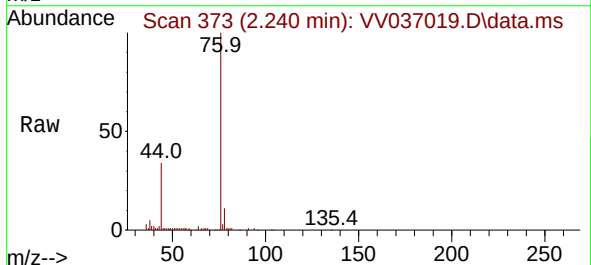
Acq: 26 Aug 2024 11:43

Tgt Ion: 76 Resp: 38328

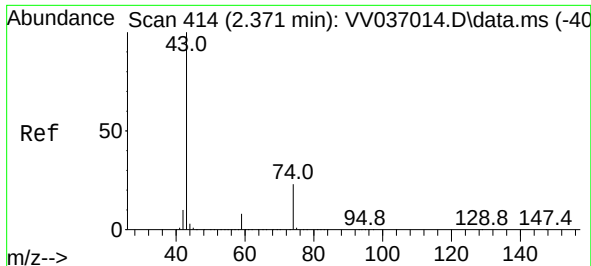
Ion Ratio Lower Upper

76 100

78 10.7 7.5 11.3







#15

Methyl Acetate

Concen: 2.499 ug/L

RT: 2.372 min Scan# 414

Delta R.T. 0.000 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

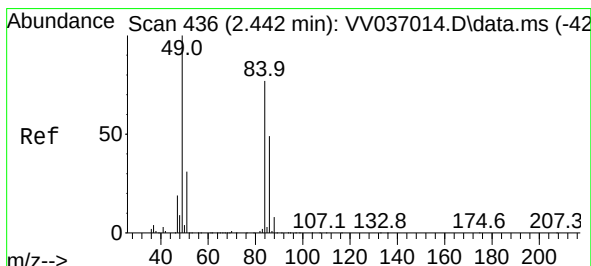
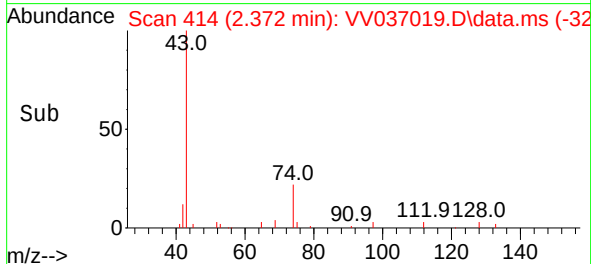
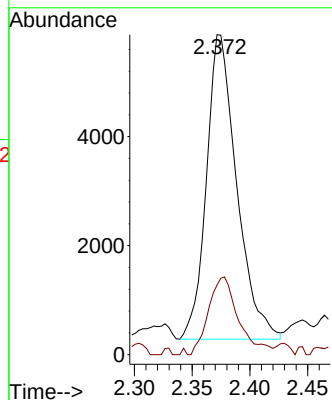
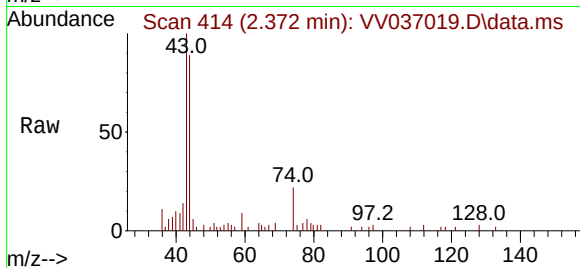
ClientSampleId :

Tgt Ion: 43 Resp: 10197

Ion Ratio Lower Upper

43 100

74 24.1 18.4 27.6



#16

Methylene chloride

Concen: 2.502 ug/L

RT: 2.442 min Scan# 436

Delta R.T. 0.000 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

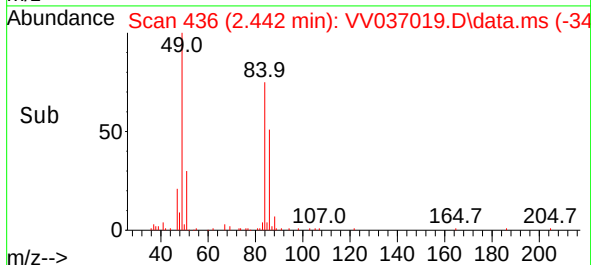
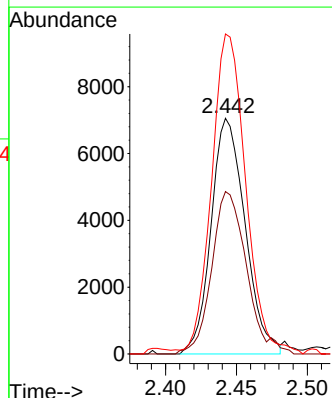
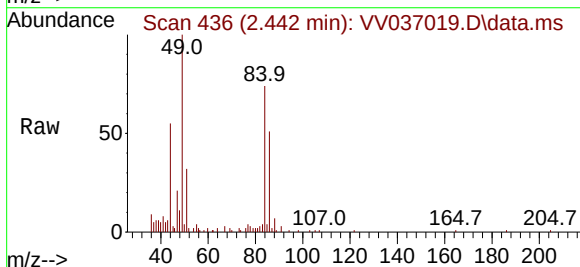
Tgt Ion: 84 Resp: 11798

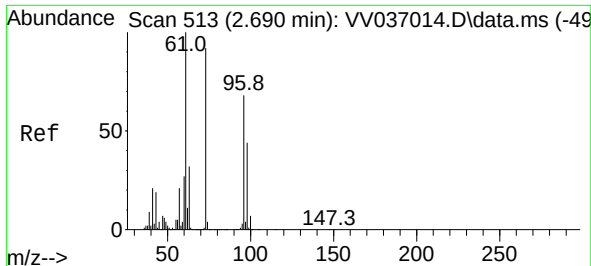
Ion Ratio Lower Upper

84 100

86 68.9 44.7 82.9

49 135.8 91.4 169.8

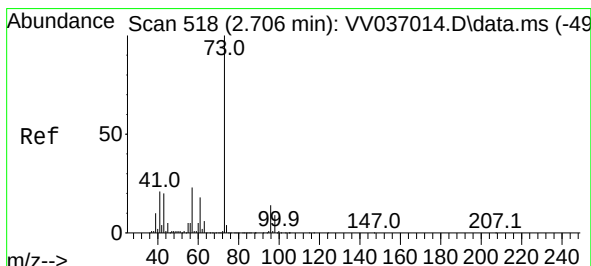
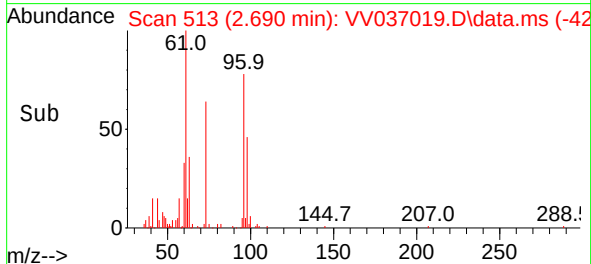
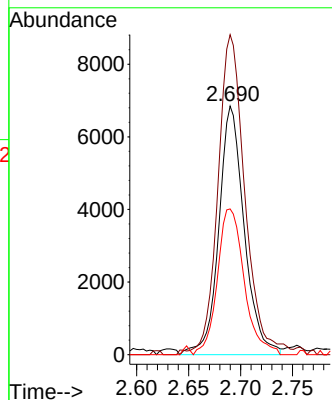
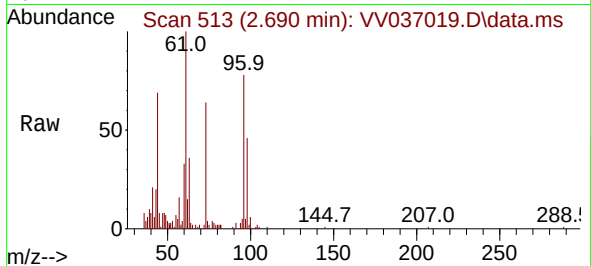




#17  
trans-1,2-Dichloroethene  
Concen: 2.689 ug/L  
RT: 2.690 min Scan# 513  
Delta R.T. 0.000 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

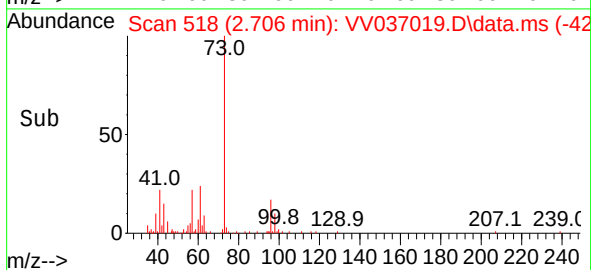
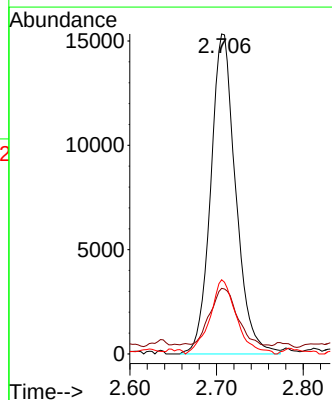
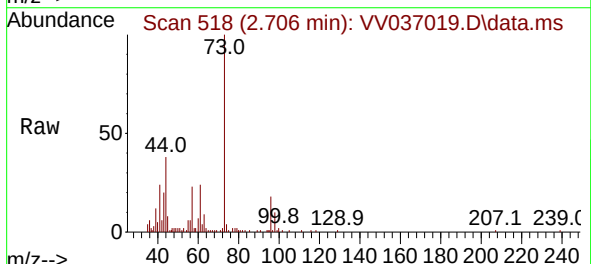
Instrument :  
MSVOA\_V  
ClientSampleId :

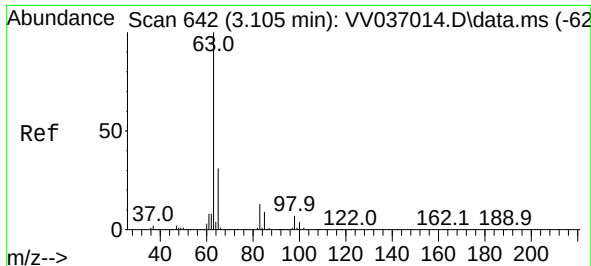
Tgt Ion: 96 Resp: 11667  
Ion Ratio Lower Upper  
96 100  
61 128.7 102.3 189.9  
98 58.6 44.8 83.2



#18  
Methyl tert-butyl Ether  
Concen: 2.252 ug/L  
RT: 2.706 min Scan# 518  
Delta R.T. 0.000 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

Tgt Ion: 73 Resp: 30742  
Ion Ratio Lower Upper  
73 100  
43 19.1 15.8 23.6  
57 24.6 18.1 27.1

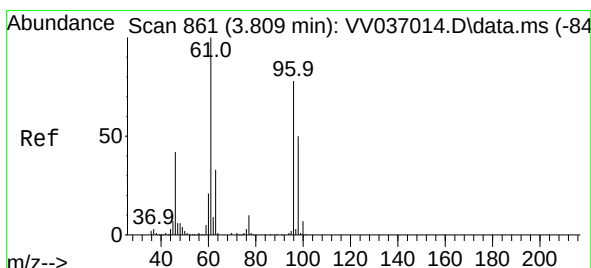
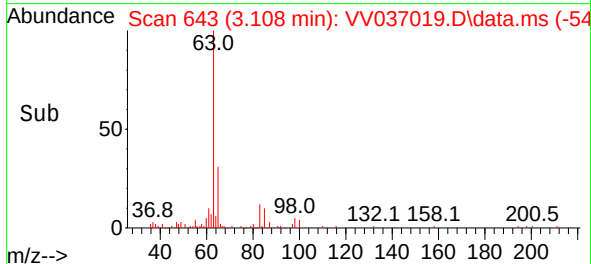
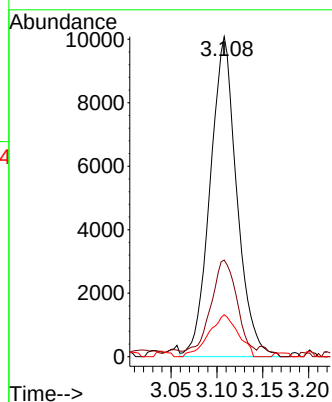
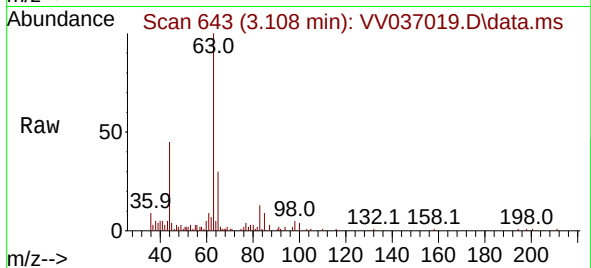




#19  
1,1-Dichloroethane  
Concen: 2.366 ug/L  
RT: 3.108 min Scan# 642  
Delta R.T. 0.003 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

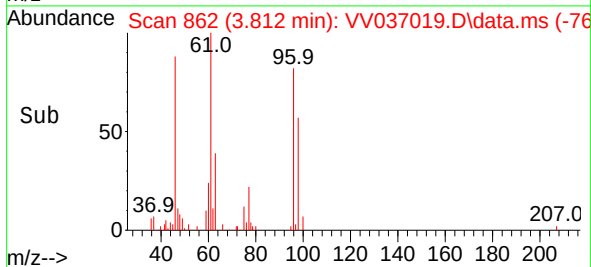
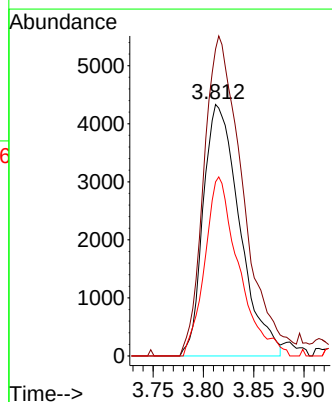
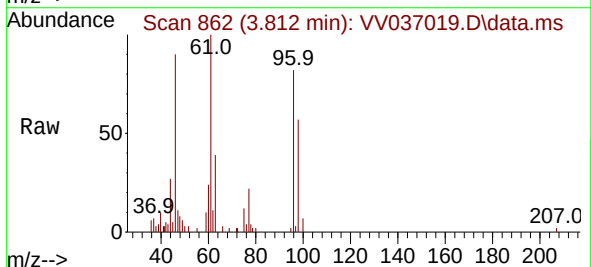
Instrument :  
MSVOA\_V  
ClientSampleId :

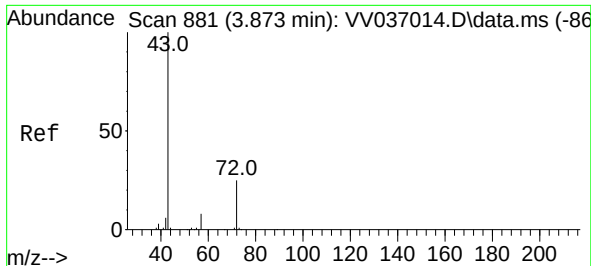
Tgt Ion: 63 Resp: 20388  
Ion Ratio Lower Upper  
63 100  
65 30.2 22.0 41.0  
83 13.1 9.2 17.0



#20  
cis-1,2-Dichloroethene  
Concen: 2.278 ug/L  
RT: 3.812 min Scan# 862  
Delta R.T. 0.003 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

Tgt Ion: 96 Resp: 10920  
Ion Ratio Lower Upper  
96 100  
61 122.0 89.9 166.9  
98 69.2 44.8 83.2

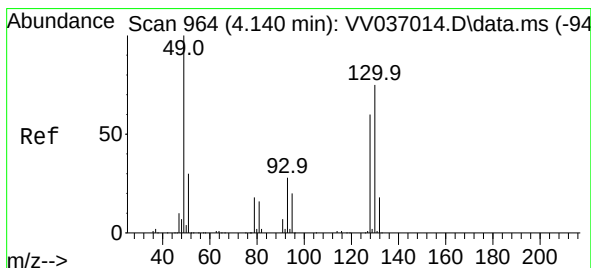
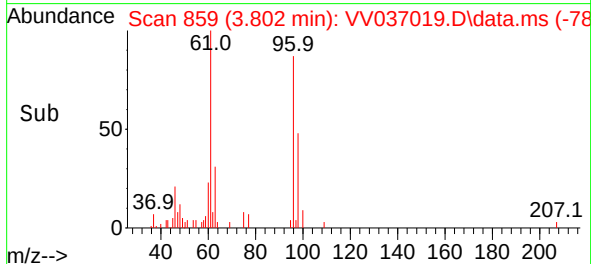
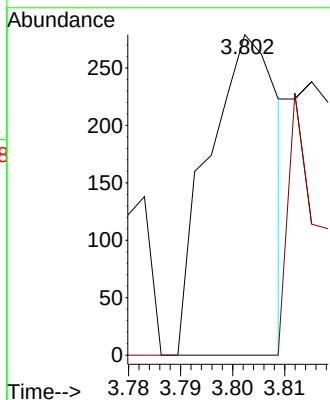
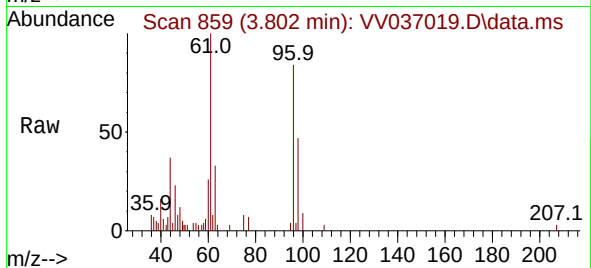




#22  
2-Butanone  
Concen: 0.099 ug/L  
RT: 3.802 min Scan# 859  
Delta R.T. -0.071 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

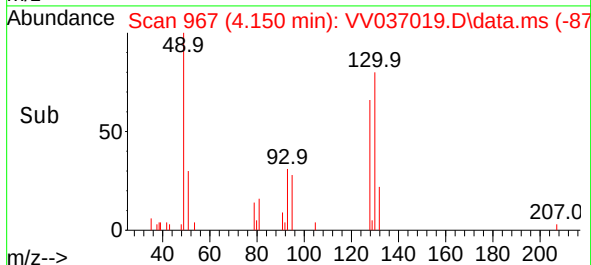
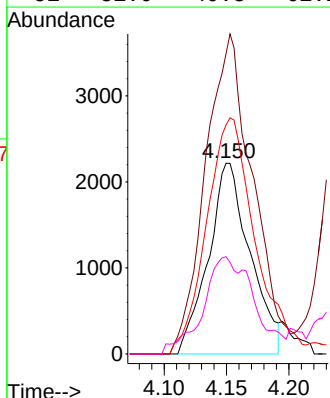
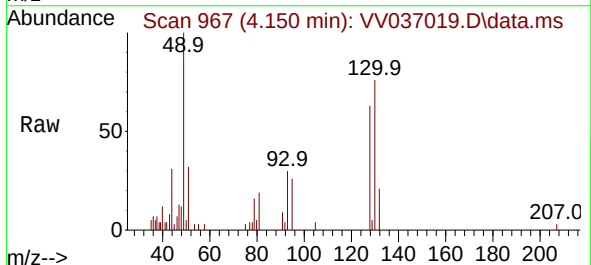
Instrument :  
MSVOA\_V  
ClientSampleId :

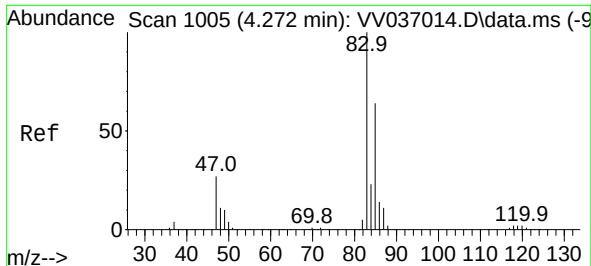
Tgt Ion: 43 Resp: 256  
Ion Ratio Lower Upper  
43 100  
72 34.0 12.7 38.0



#23  
Bromochloromethane  
Concen: 2.192 ug/L  
RT: 4.150 min Scan# 967  
Delta R.T. 0.010 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

Tgt Ion:128 Resp: 5159  
Ion Ratio Lower Upper  
128 100  
49 157.5 117.2 217.6  
130 120.1 87.6 162.8  
51 51.0 40.8 61.2





#25

Chloroform

Concen: 2.714 ug/L

RT: 4.281 min Scan# 1005

Delta R.T. 0.010 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

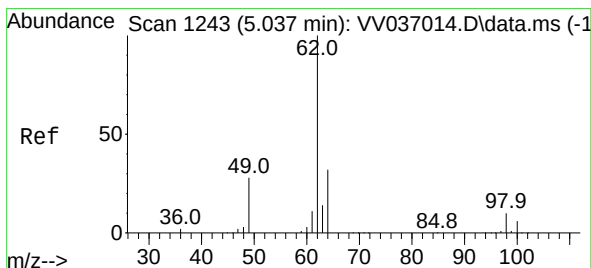
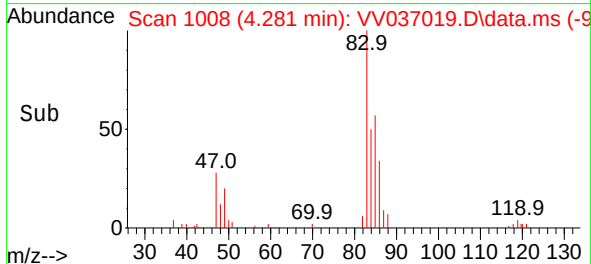
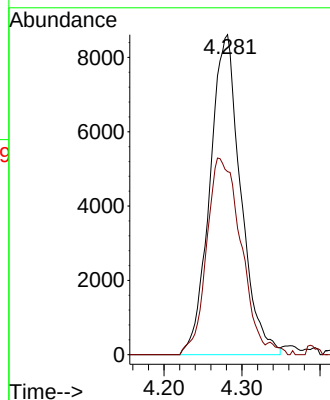
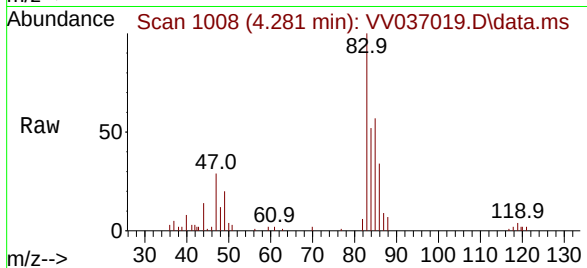
ClientSampleId :

Tgt Ion: 83 Resp: 23684

Ion Ratio Lower Upper

83 100

85 57.2 45.1 83.7



#27

1,2-Dichloroethane

Concen: 2.093 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.016 min

Lab File: VV037019.D

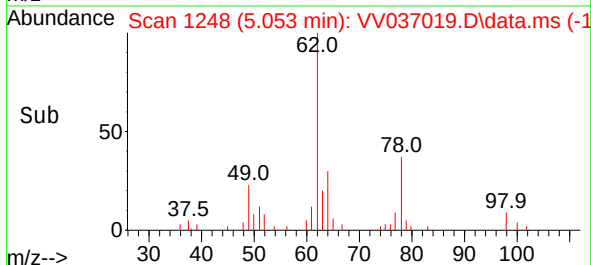
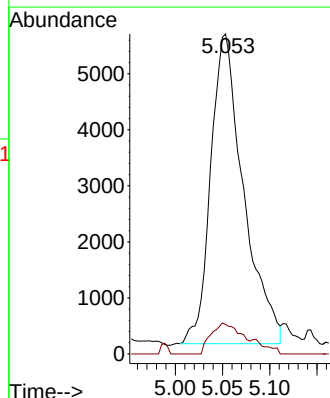
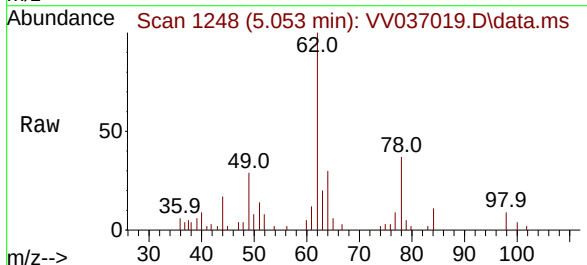
Acq: 26 Aug 2024 11:43

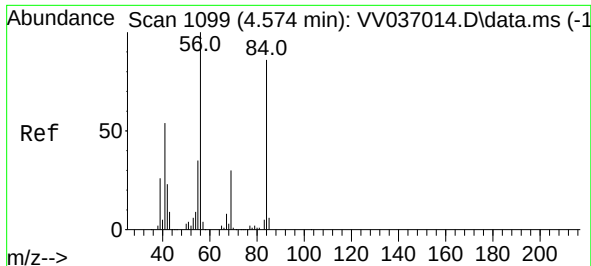
Tgt Ion: 62 Resp: 13325

Ion Ratio Lower Upper

62 100

98 9.3 8.0 12.0





#29

Cyclohexane

Concen: 2.359 ug/L

RT: 4.574 min Scan# 1099

Delta R.T. 0.000 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

ClientSampleId :

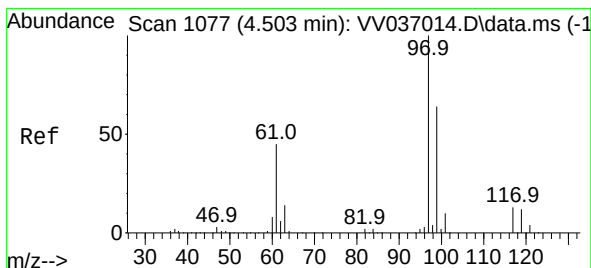
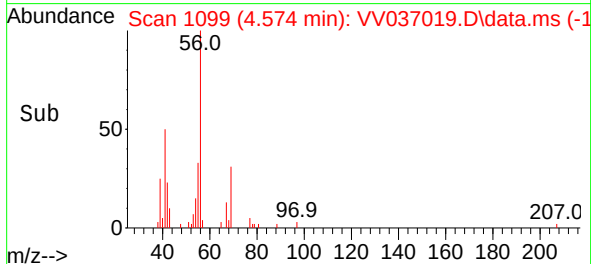
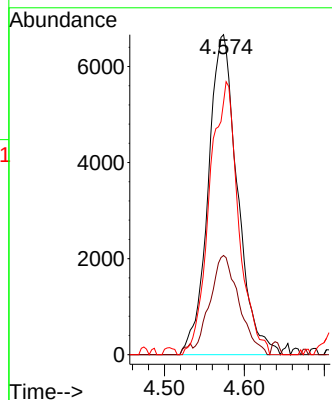
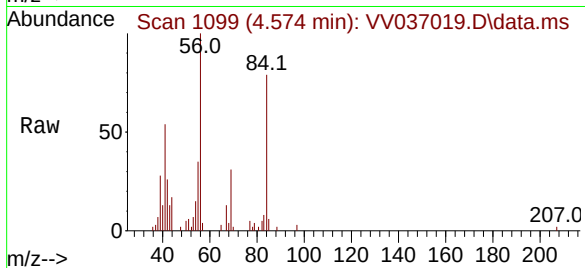
Tgt Ion: 56 Resp: 16950

Ion Ratio Lower Upper

56 100

69 30.6 24.2 36.4

84 83.4 69.8 104.8



#30

1,1,1-Trichloroethane

Concen: 2.179 ug/L

RT: 4.510 min Scan# 1079

Delta R.T. 0.006 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

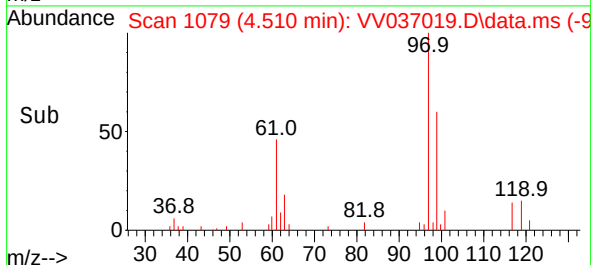
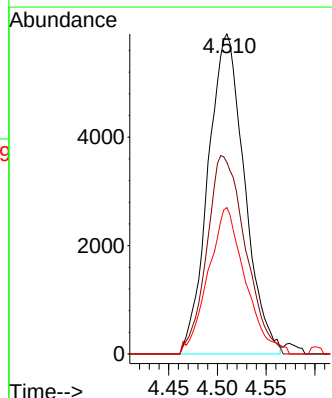
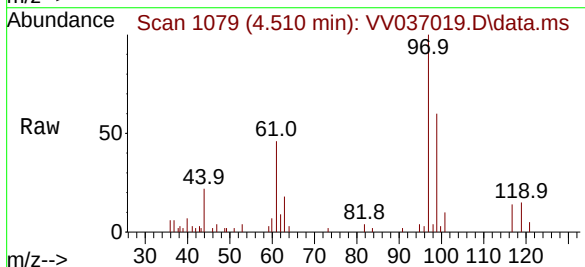
Tgt Ion: 97 Resp: 15322

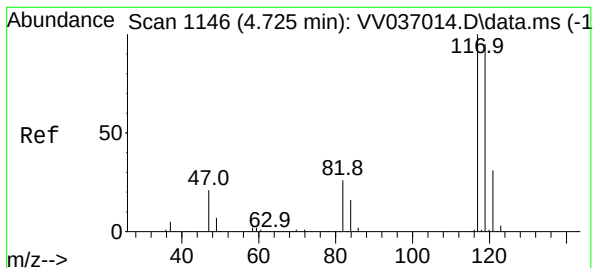
Ion Ratio Lower Upper

97 100

99 65.6 51.6 77.4

61 46.1 35.8 53.6





#31

Carbon tetrachloride

Concen: 1.095 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

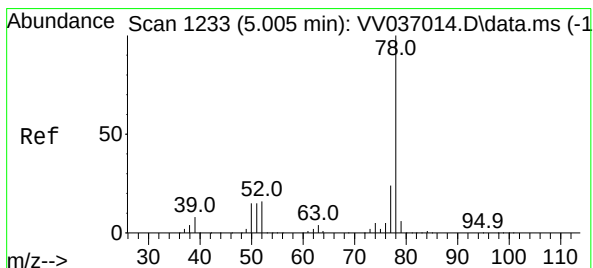
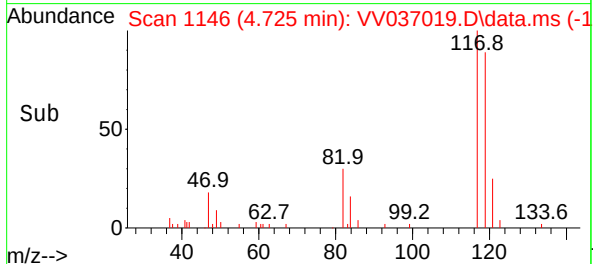
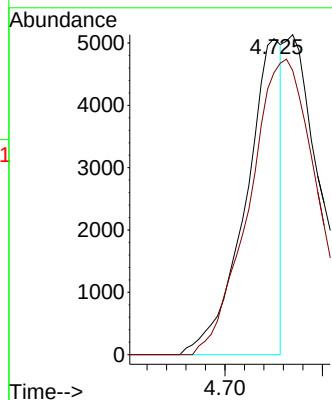
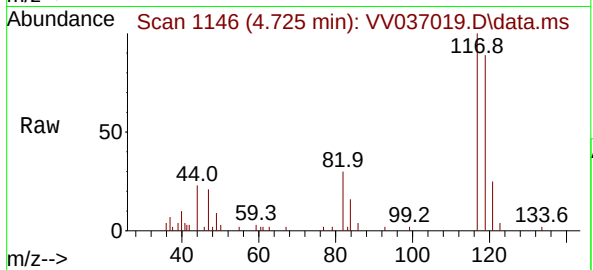
ClientSampleId :

Tgt Ion:117 Resp: 6496

Ion Ratio Lower Upper

117 100

119 179.7 75.8 113.6#



#33

Benzene

Concen: 2.278 ug/L

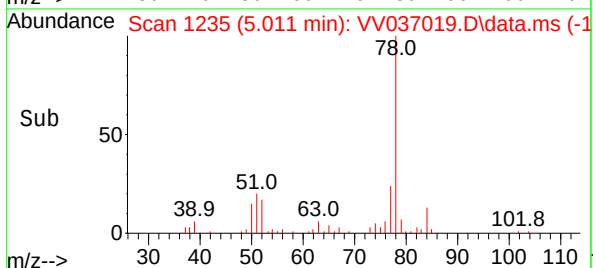
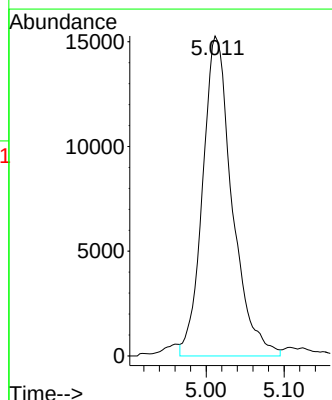
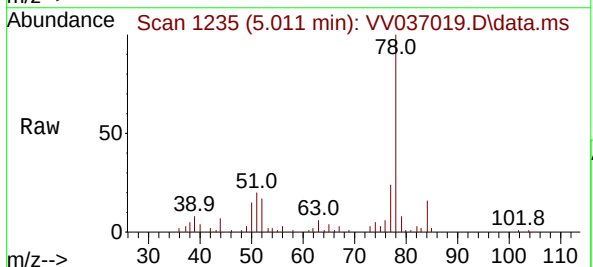
RT: 5.011 min Scan# 1235

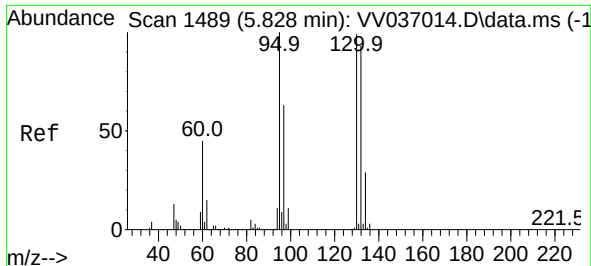
Delta R.T. 0.006 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Tgt Ion: 78 Resp: 40165





#34

Trichloroethene

Concen: 2.429 ug/L

RT: 5.841 min Scan# 1489

Delta R.T. 0.013 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 11307

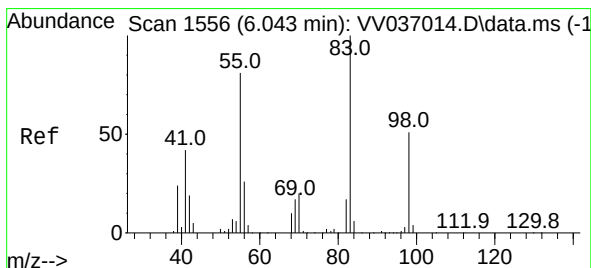
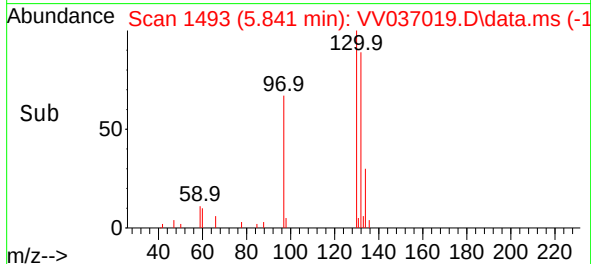
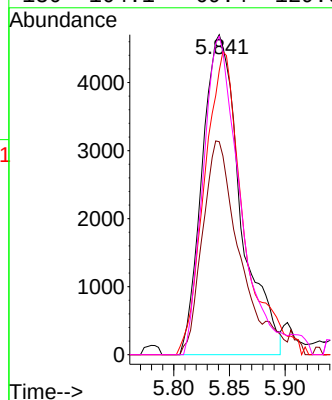
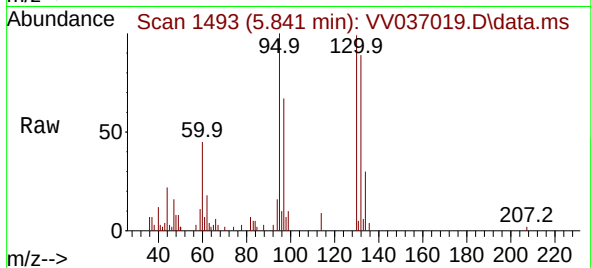
Ion Ratio Lower Upper

95 100

97 66.6 44.4 82.5

132 88.8 64.9 120.5

130 104.1 69.4 129.0



#35

Methylcyclohexane

Concen: 2.201 ug/L

RT: 6.047 min Scan# 1557

Delta R.T. 0.003 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

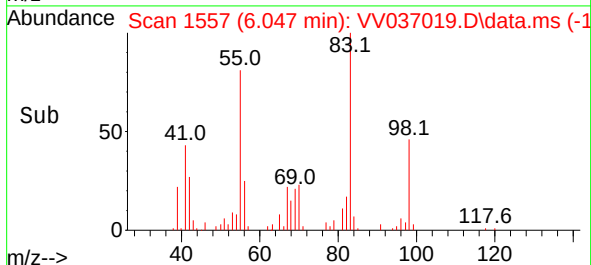
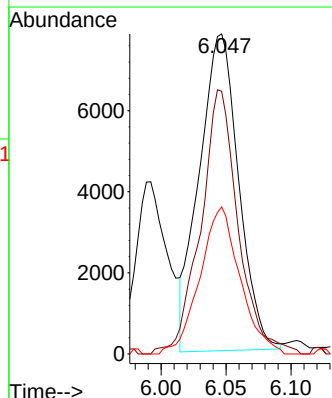
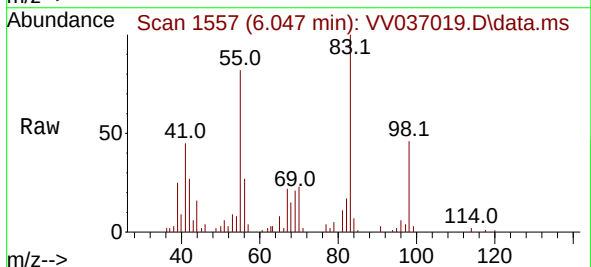
Tgt Ion: 83 Resp: 16500

Ion Ratio Lower Upper

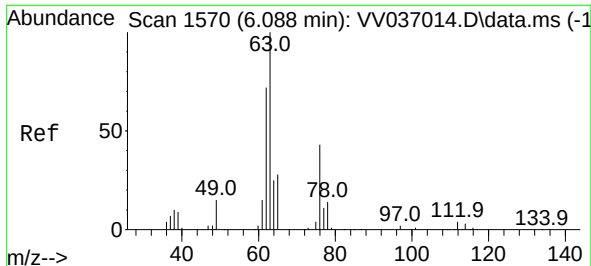
83 100

55 79.3 61.2 91.8

98 47.2 39.3 58.9







#37

1,2-Dichloropropane

Concen: 2.104 ug/L

RT: 6.101 min Scan# 1574

Delta R.T. 0.013 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

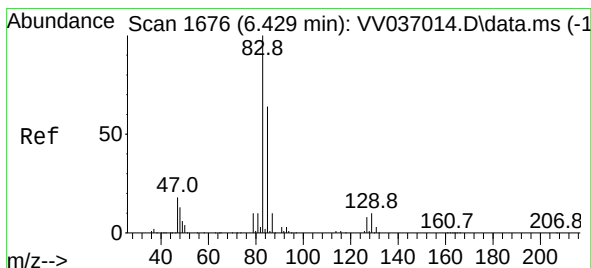
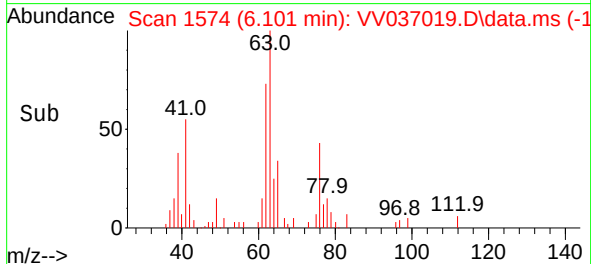
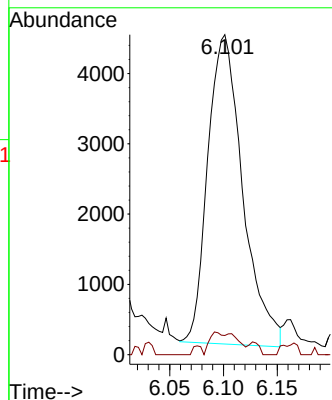
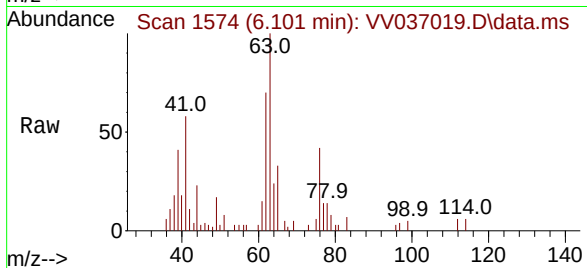
ClientSampleId :

Tgt Ion: 63 Resp: 9956

Ion Ratio Lower Upper

63 100

112 3.1 3.5 5.3#



#38

Bromodichloromethane

Concen: 2.075 ug/L

RT: 6.436 min Scan# 1678

Delta R.T. 0.006 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

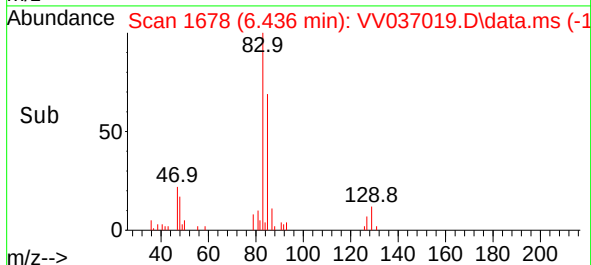
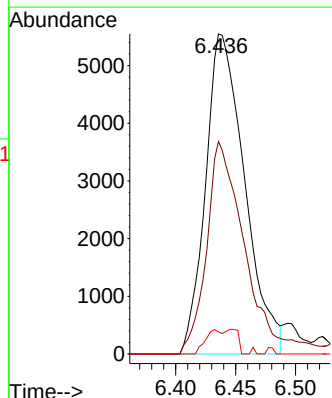
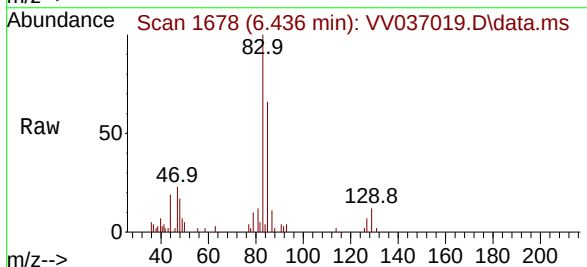
Tgt Ion: 83 Resp: 12573

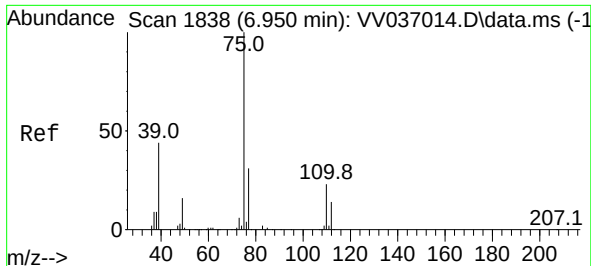
Ion Ratio Lower Upper

83 100

85 66.4 44.5 82.7

127 6.8 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 1.969 ug/L

RT: 6.966 min Scan# 1843

Delta R.T. 0.016 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

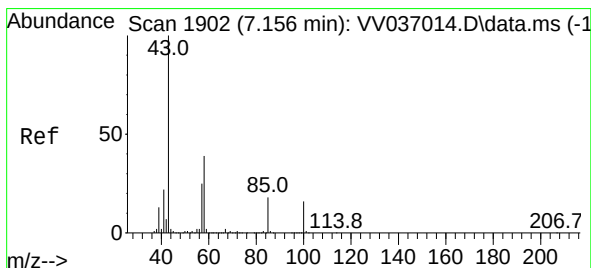
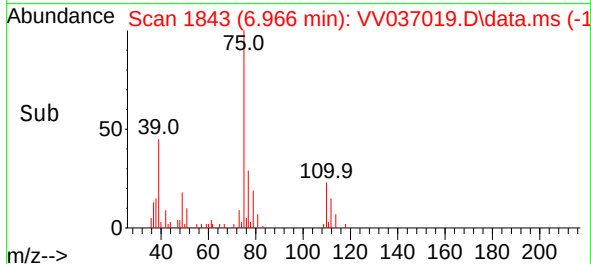
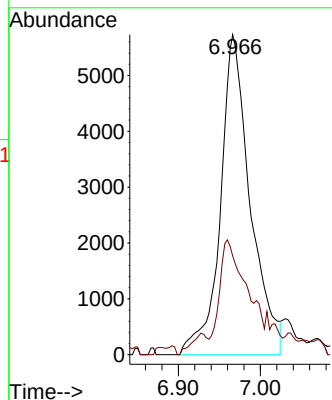
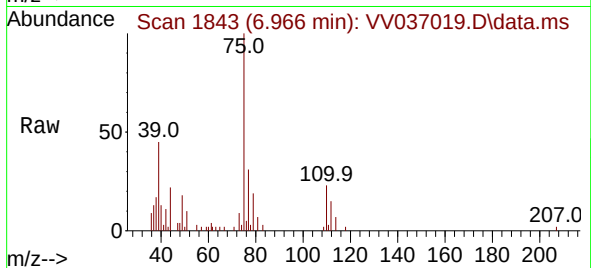
ClientSampleId :

Tgt Ion: 75 Resp: 14499

Ion Ratio Lower Upper

75 100

77 30.9 21.7 40.3



#40

4-Methyl-2-pentanone

Concen: 0.019 ug/L

RT: 7.137 min Scan# 1896

Delta R.T. -0.019 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

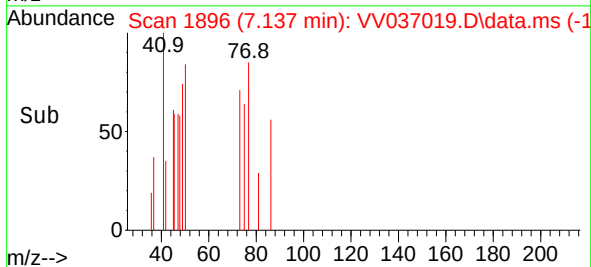
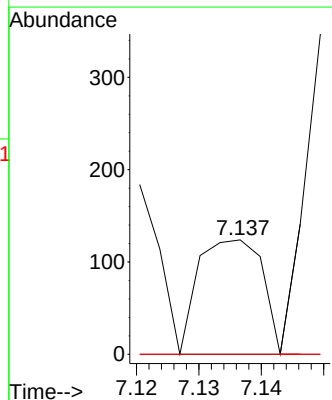
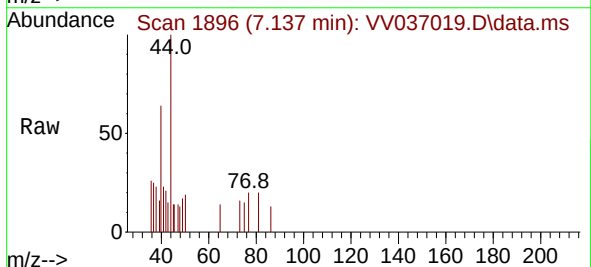
Tgt Ion: 43 Resp: 88

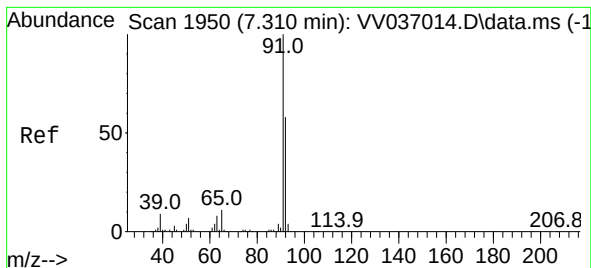
Ion Ratio Lower Upper

43 100

58 0.0 32.0 48.0#

100 0.0 12.4 18.6#





#42

Toluene

Concen: 2.166 ug/L

RT: 7.323 min Scan# 1954

Delta R.T. 0.013 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

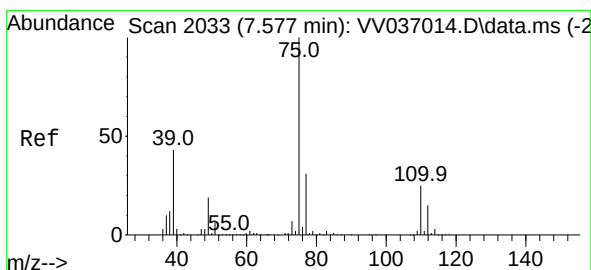
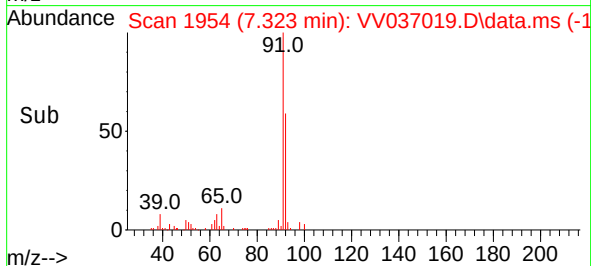
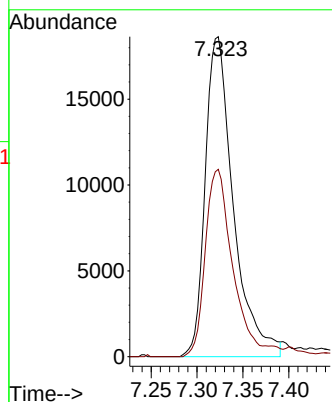
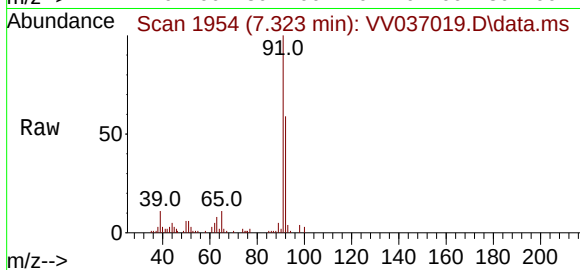
ClientSampleId :

Tgt Ion: 91 Resp: 39761

Ion Ratio Lower Upper

91 100

92 58.5 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 2.010 ug/L

RT: 7.593 min Scan# 2038

Delta R.T. 0.016 min

Lab File: VV037019.D

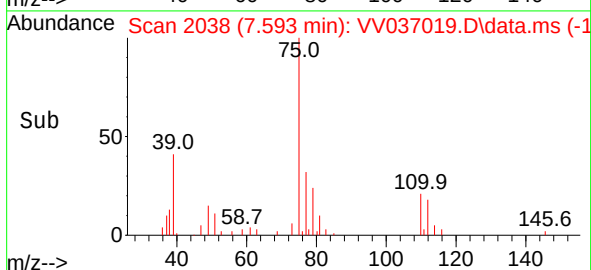
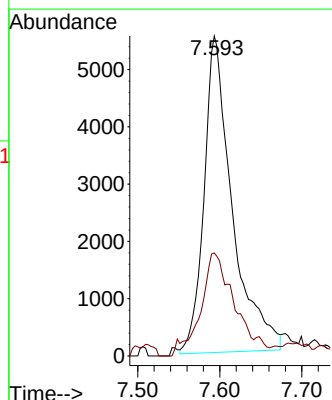
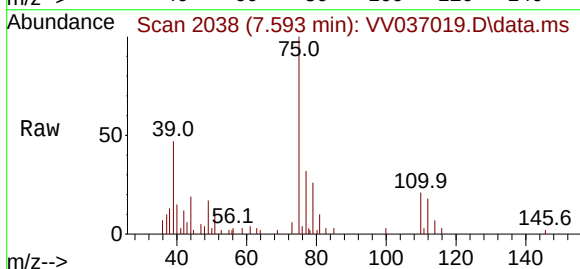
Acq: 26 Aug 2024 11:43

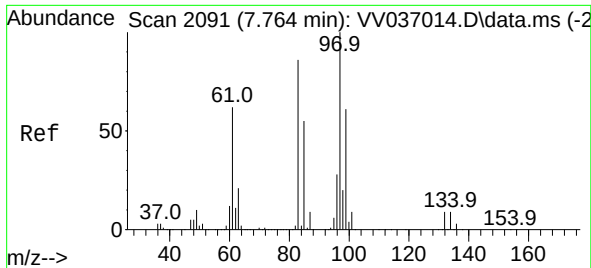
Tgt Ion: 75 Resp: 13227

Ion Ratio Lower Upper

75 100

77 32.2 22.0 40.8

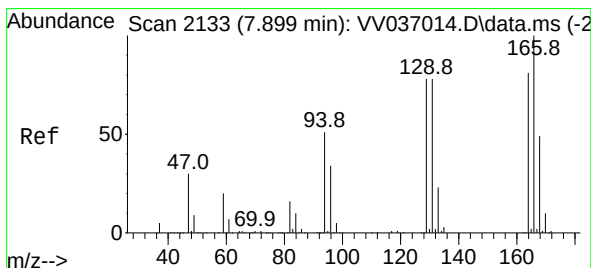
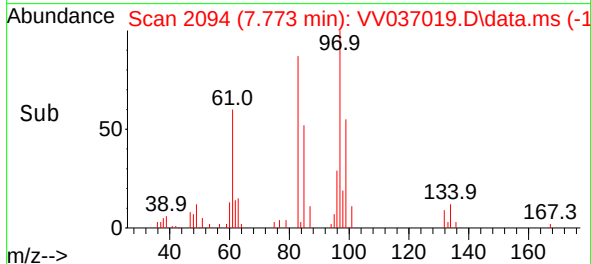
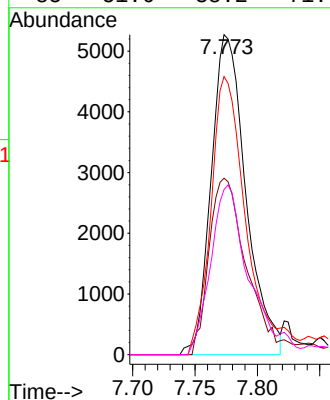
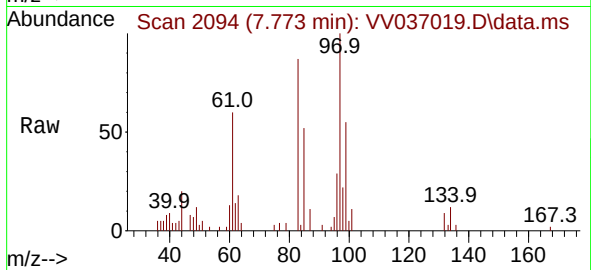




#45  
1,1,2-Trichloroethane  
Concen: 2.322 ug/L  
RT: 7.773 min Scan# 2091  
Delta R.T. 0.010 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

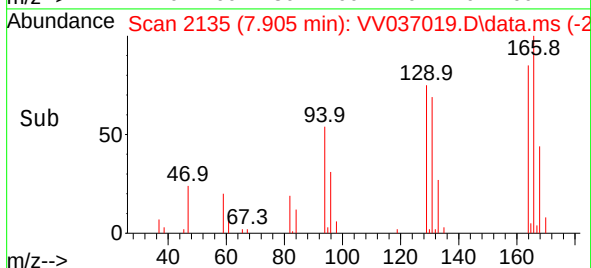
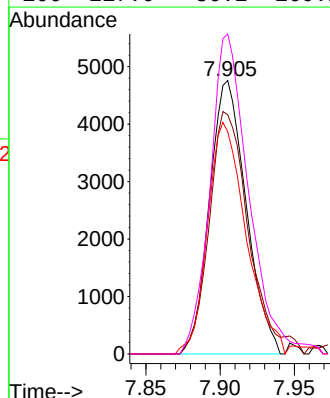
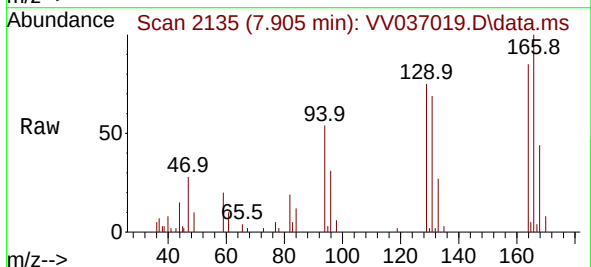
Instrument :  
MSVOA\_V  
ClientSampleId :

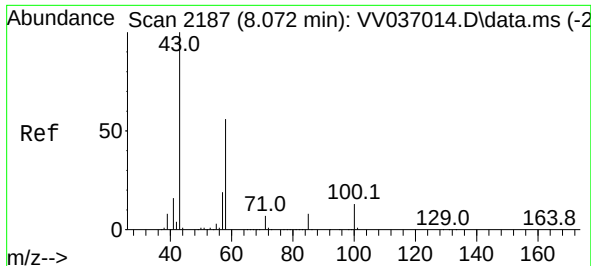
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 10219 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 55.1     | 42.6 79.0   |
| 83 86.9     | 60.5 112.3  |
| 85 51.6     | 38.2 71.0   |



#46  
Tetrachloroethene  
Concen: 2.448 ug/L  
RT: 7.905 min Scan# 2135  
Delta R.T. 0.006 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

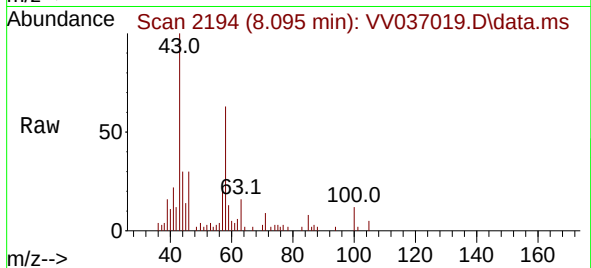
|             |             |
|-------------|-------------|
| Tgt Ion:164 | Resp: 8175  |
| Ion Ratio   | Lower Upper |
| 164 100     |             |
| 129 87.5    | 67.1 124.7  |
| 131 81.3    | 67.0 124.4  |
| 166 117.0   | 86.2 160.2  |



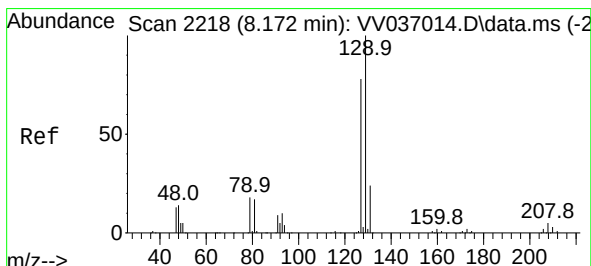
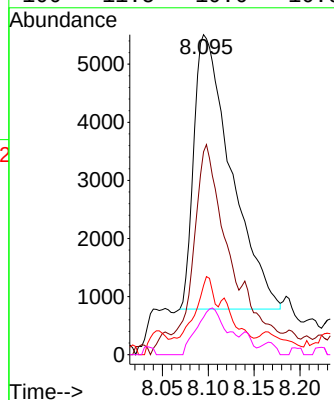
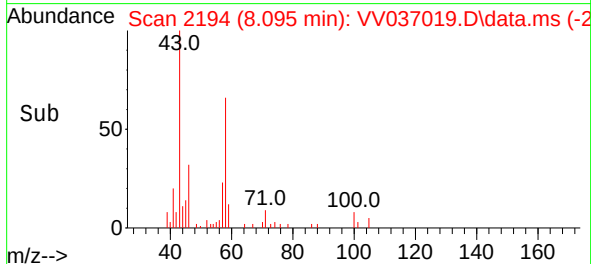


#48  
2-Hexanone  
Concen: 3.702 ug/L  
RT: 8.095 min Scan# 2187  
Delta R.T. 0.023 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

Instrument :  
MSVOA\_V  
ClientSampleId :

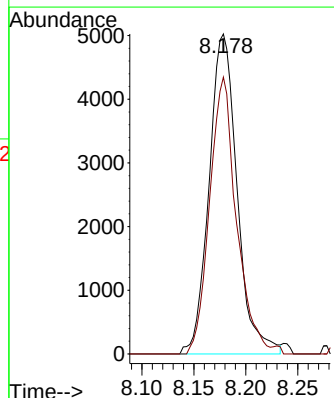
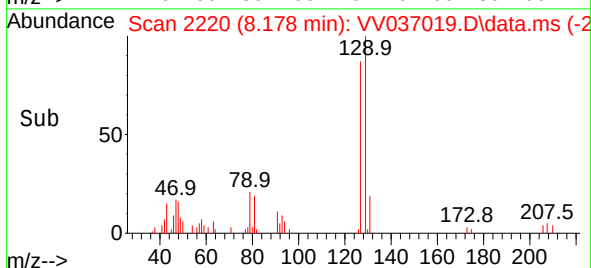
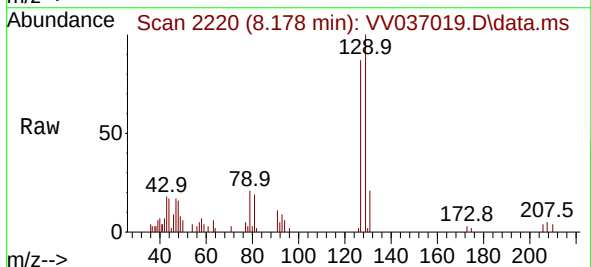


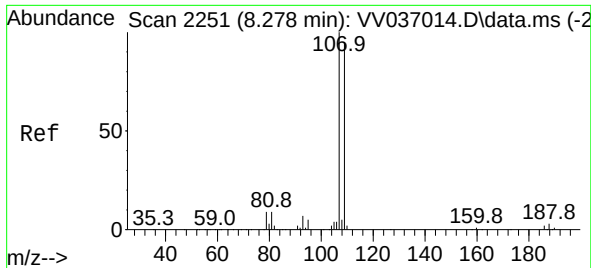
Tgt Ion: 43 Resp: 13353  
Ion Ratio Lower Upper  
43 100  
58 51.5 46.0 69.0  
57 11.3 15.6 23.4#  
100 11.5 10.6 16.0



#49  
Dibromochloromethane  
Concen: 2.142 ug/L  
RT: 8.178 min Scan# 2220  
Delta R.T. 0.007 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

Tgt Ion: 129 Resp: 9441  
Ion Ratio Lower Upper  
129 100  
127 86.5 54.7 101.7

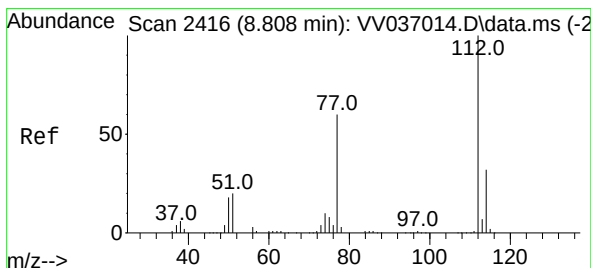
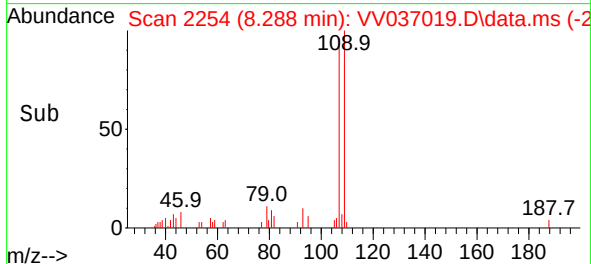
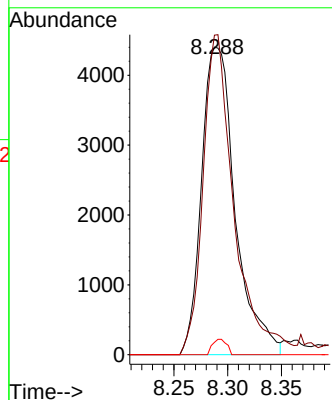
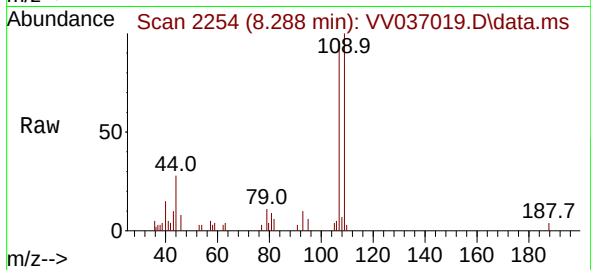




#50  
1,2-Dibromoethane  
Concen: 2.160 ug/L  
RT: 8.288 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

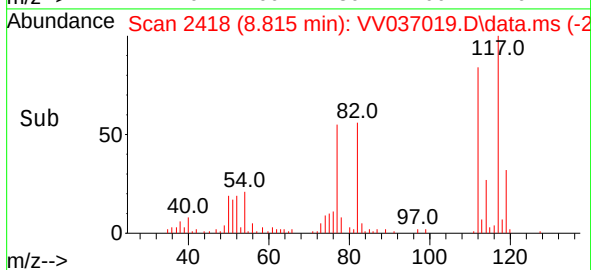
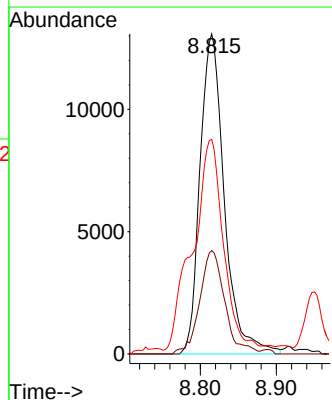
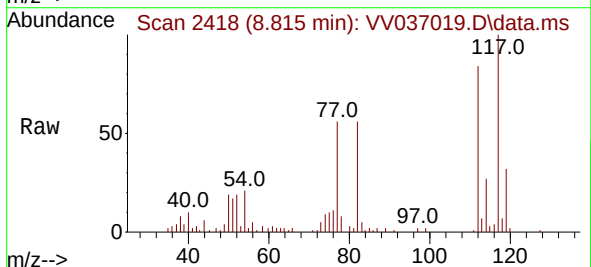
Instrument :  
MSVOA\_V  
ClientSampleId :

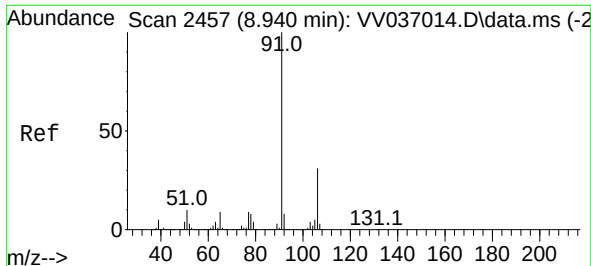
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 9619  |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 103.9 | 66.6  | 123.6 |
| 188      | 4.0   | 2.6   | 3.8#  |



#51  
Chlorobenzene  
Concen: 2.391 ug/L  
RT: 8.815 min Scan# 2418  
Delta R.T. 0.007 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 112   | Resp: | 29067 |
| Ion      | Ratio | Lower | Upper |
| 112      | 100   |       |       |
| 114      | 32.3  | 22.3  | 41.5  |
| 77       | 67.0  | 47.8  | 71.8  |





#52

Ethylbenzene

Concen: 2.156 ug/L

RT: 8.950 min Scan# 2457

Delta R.T. 0.010 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

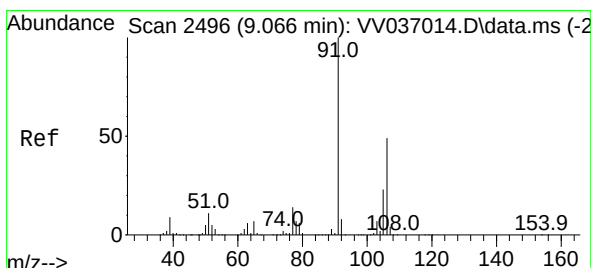
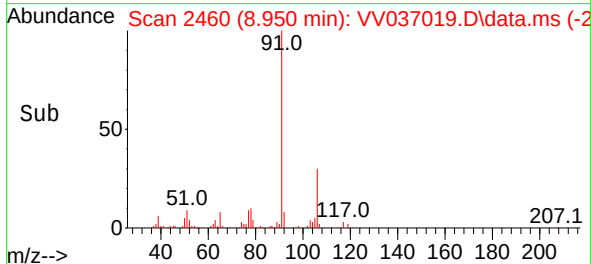
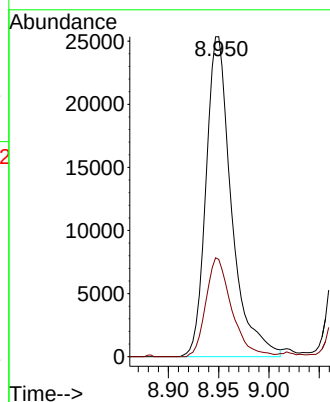
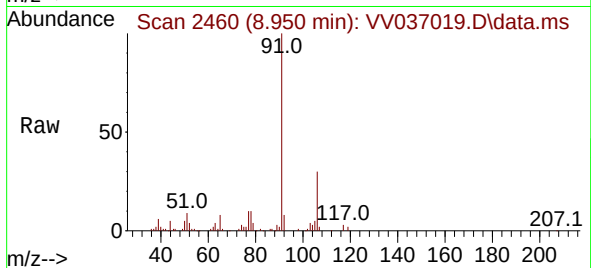
ClientSampleId :

Tgt Ion: 91 Resp: 44706

Ion Ratio Lower Upper

91 100

106 30.4 21.4 39.8



#53

m,p-Xylene

Concen: 2.019 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.010 min

Lab File: VV037019.D

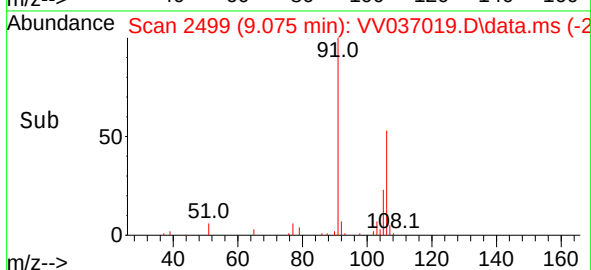
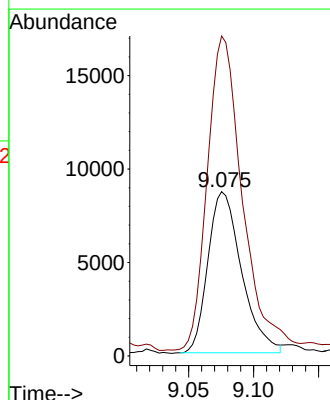
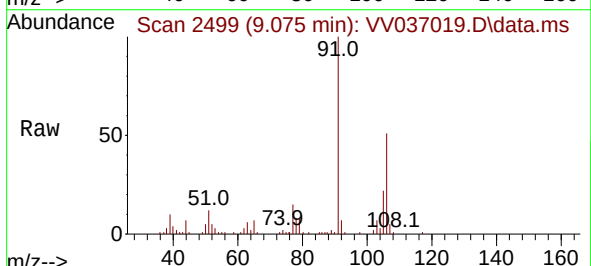
Acq: 26 Aug 2024 11:43

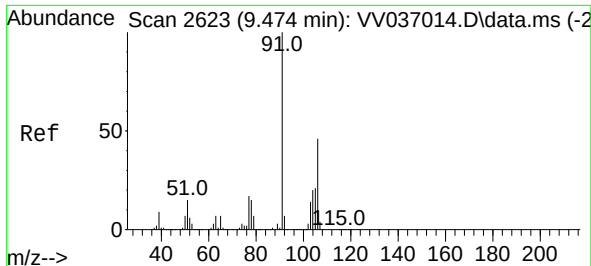
Tgt Ion: 106 Resp: 15515

Ion Ratio Lower Upper

106 100

91 194.7 143.0 265.6

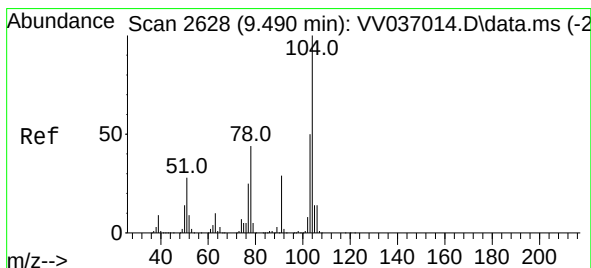
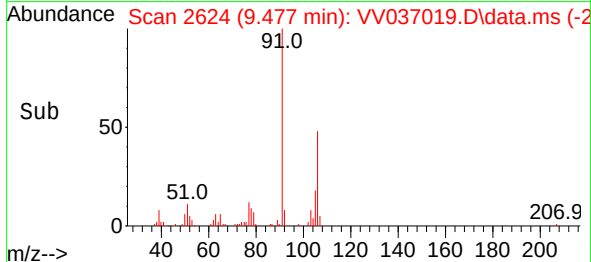
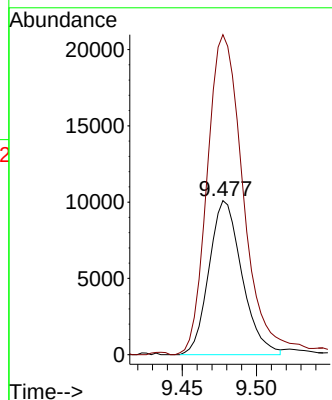
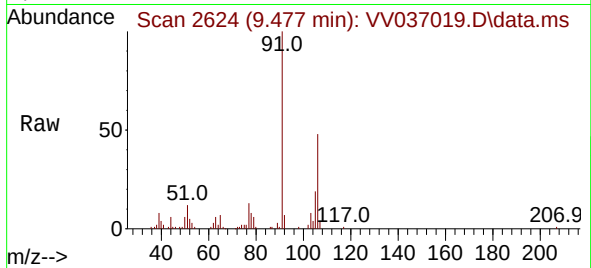




#54  
o-Xylene  
Concen: 2.073 ug/L  
RT: 9.477 min Scan# 2623  
Delta R.T. 0.003 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

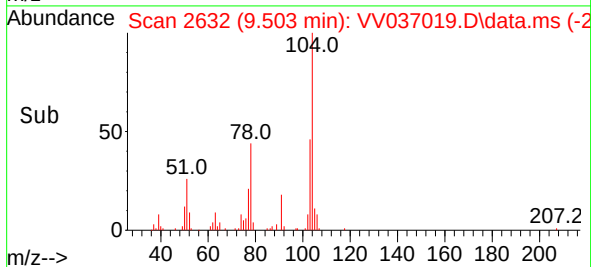
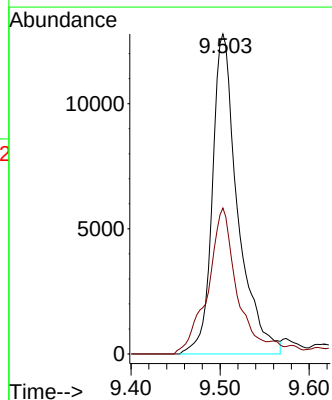
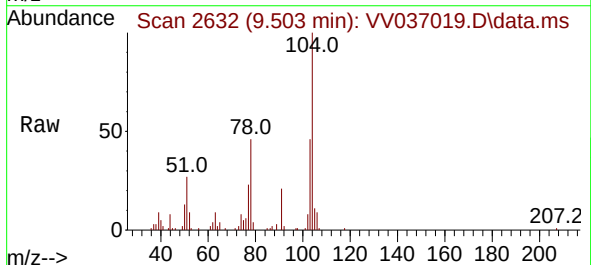
Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:106 Resp: 15593  
Ion Ratio Lower Upper  
106 100  
91 207.6 153.2 284.6

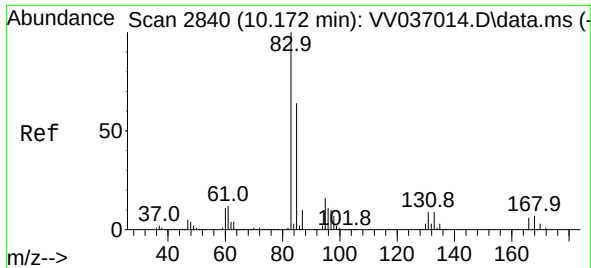


#55  
Styrene  
Concen: 1.952 ug/L  
RT: 9.503 min Scan# 2632  
Delta R.T. 0.013 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

Tgt Ion:104 Resp: 25318  
Ion Ratio Lower Upper  
104 100  
78 45.6 30.9 57.5







#57

1,1,2,2-Tetrachloroethane

Concen: 2.203 ug/L

RT: 10.175 min Scan# 2840

Delta R.T. 0.003 min

Lab File: VV037019.D

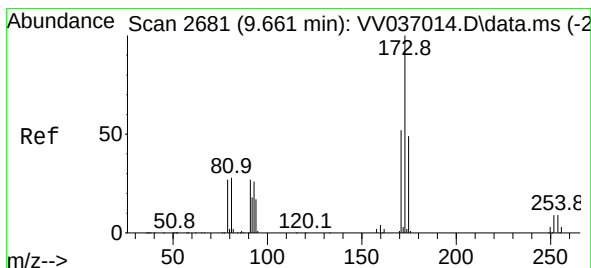
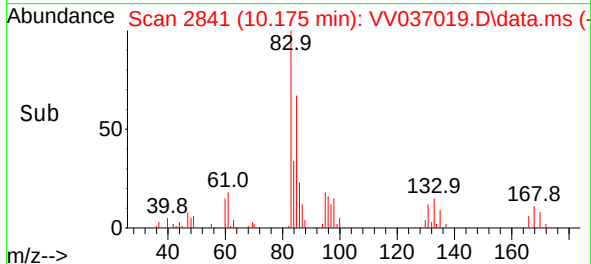
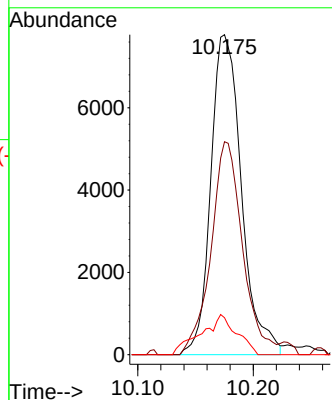
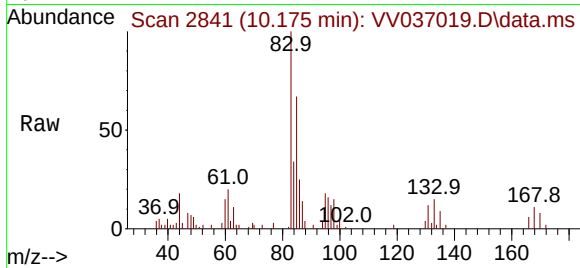
Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

ClientSampleId :

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 83    | Resp: | 14358 |
| Ion Ratio | Lower | Upper |       |
| 83        | 100   |       |       |
| 85        | 66.5  | 45.1  | 83.7  |
| 131       | 11.6  | 7.4   | 11.0  |



#59

Bromoform

Concen: 2.163 ug/L

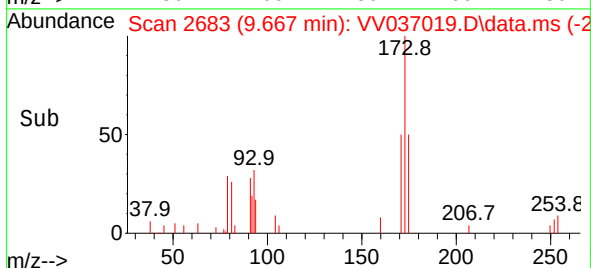
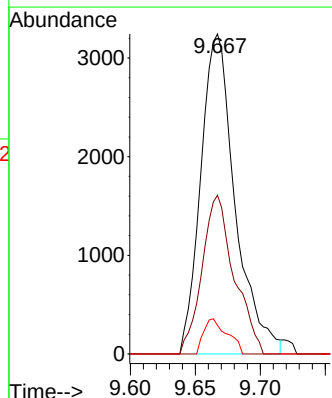
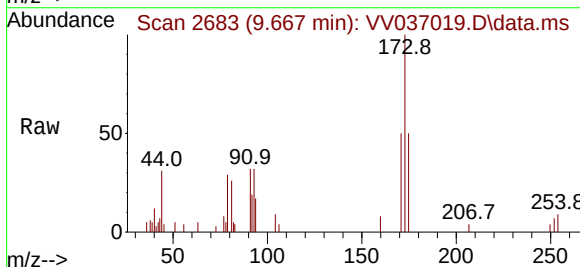
RT: 9.667 min Scan# 2683

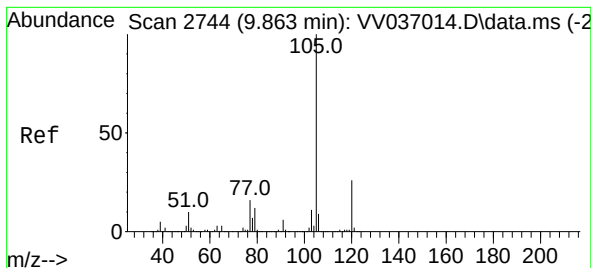
Delta R.T. 0.006 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

|           |       |       |      |
|-----------|-------|-------|------|
| Tgt Ion:  | 173   | Resp: | 5972 |
| Ion Ratio | Lower | Upper |      |
| 173       | 100   |       |      |
| 175       | 46.3  | 38.7  | 58.1 |
| 254       | 7.5   | 6.8   | 10.2 |





#60

Isopropylbenzene

Concen: 2.203 ug/L

RT: 9.863 min Scan# 21

Delta R.T. 0.000 min

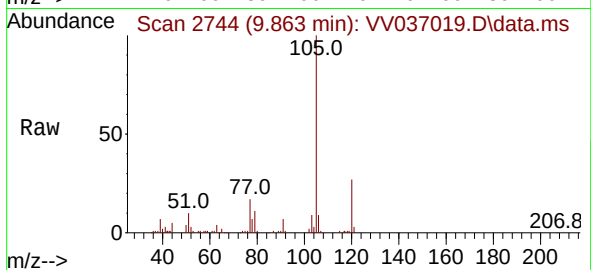
Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

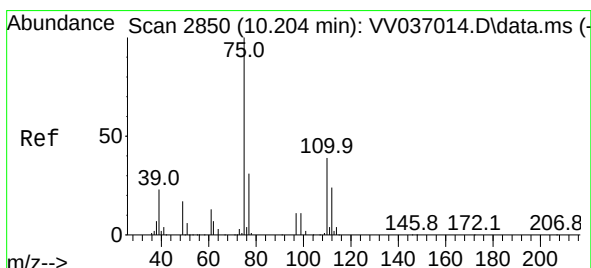
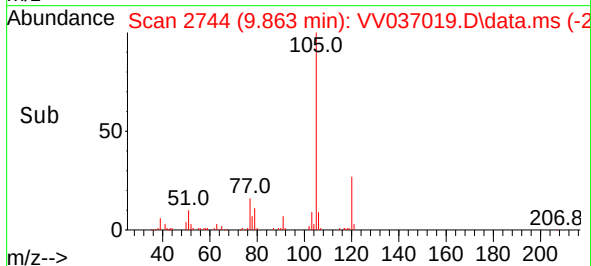
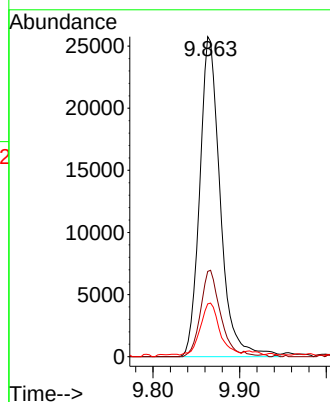
Instrument :

MSVOA\_V

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 42288 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 25.8  | 20.9  | 31.3  |
| 77       | 16.5  | 12.6  | 19.0  |



#61

1,2,3-Trichloropropane

Concen: 2.409 ug/L

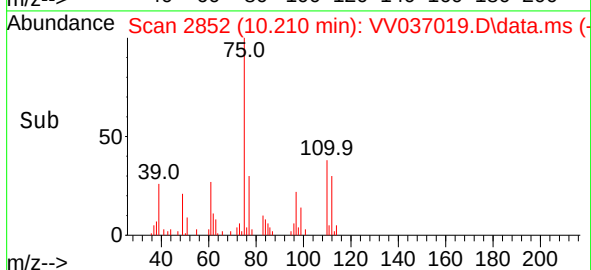
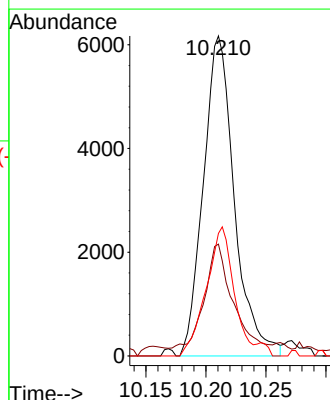
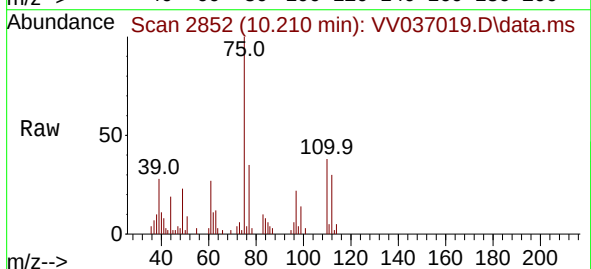
RT: 10.210 min Scan# 2852

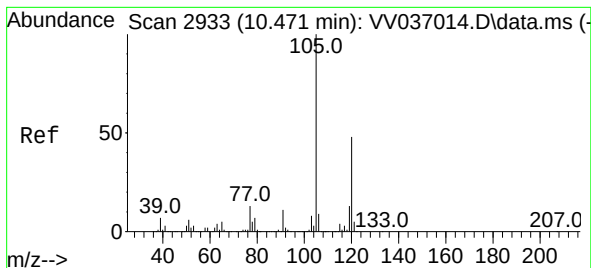
Delta R.T. 0.006 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 11096 |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 77       | 31.5  | 25.2  | 37.8  |
| 110      | 35.7  | 31.1  | 46.7  |





#62

1,3,5-Trimethylbenzene

Concen: 2.164 ug/L

RT: 10.474 min Scan# 2933

Delta R.T. 0.003 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

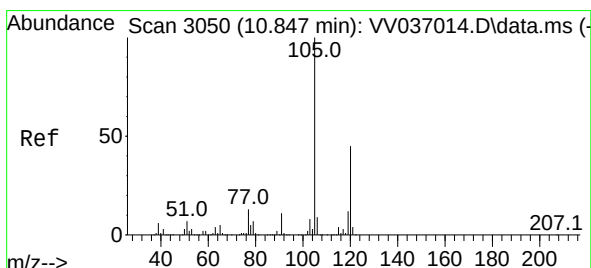
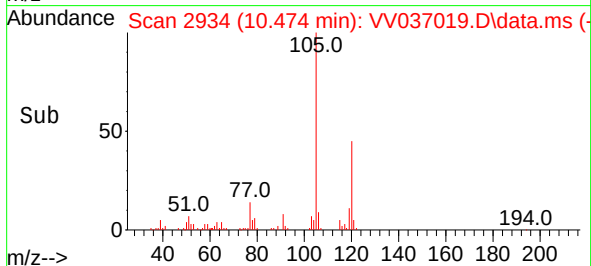
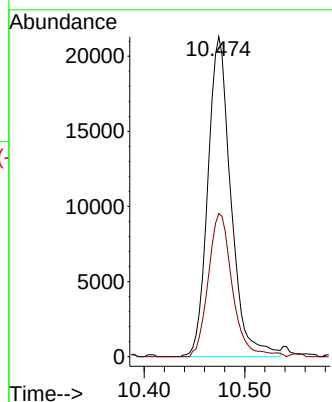
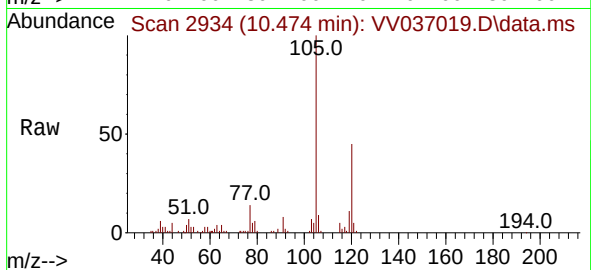
ClientSampleId :

Tgt Ion:105 Resp: 33998

Ion Ratio Lower Upper

105 100

120 46.2 38.3 57.5



#63

1,2,4-Trimethylbenzene

Concen: 2.009 ug/L

RT: 10.850 min Scan# 3051

Delta R.T. 0.003 min

Lab File: VV037019.D

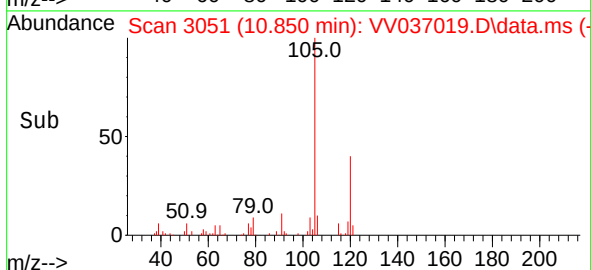
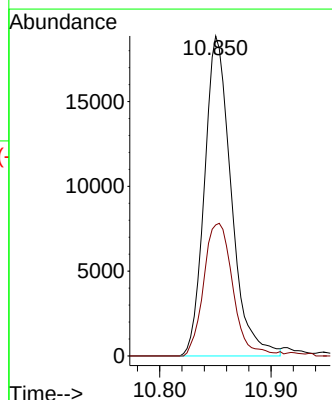
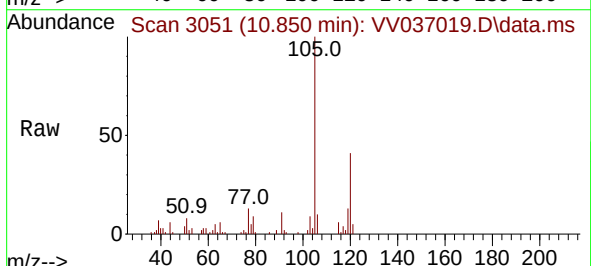
Acq: 26 Aug 2024 11:43

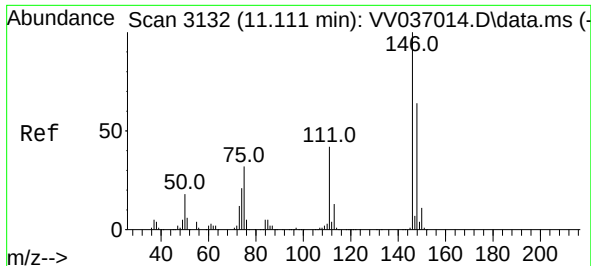
Tgt Ion:105 Resp: 31490

Ion Ratio Lower Upper

105 100

120 45.0 35.8 53.6

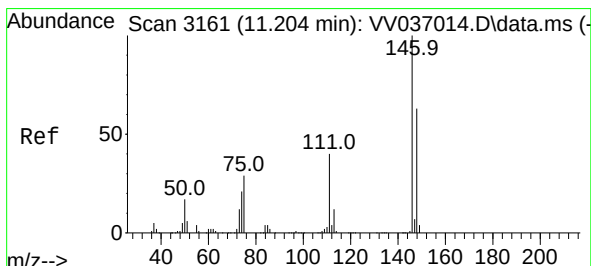
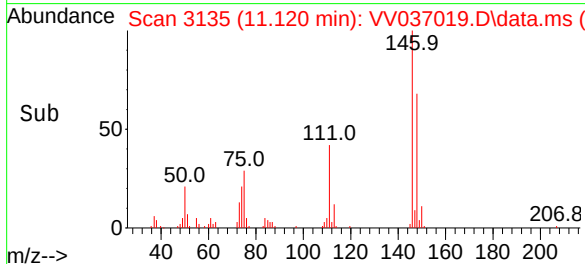
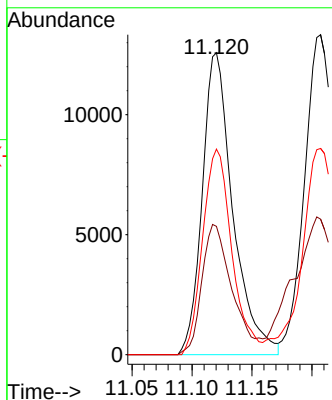
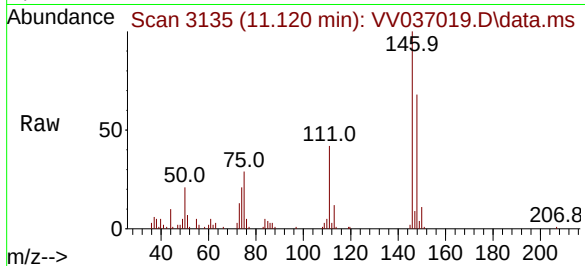




#64  
1,3-Dichlorobenzene  
Concen: 2.519 ug/L  
RT: 11.120 min Scan# 3135  
Delta R.T. 0.010 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

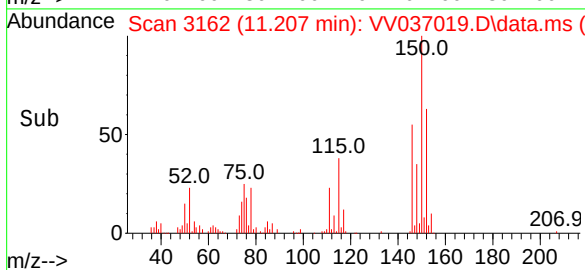
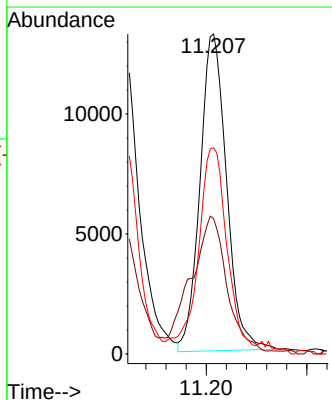
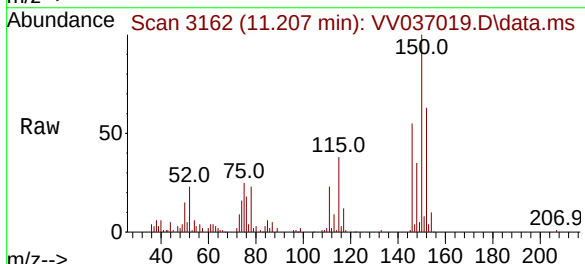
Instrument :  
MSVOA\_V  
ClientSampleId :

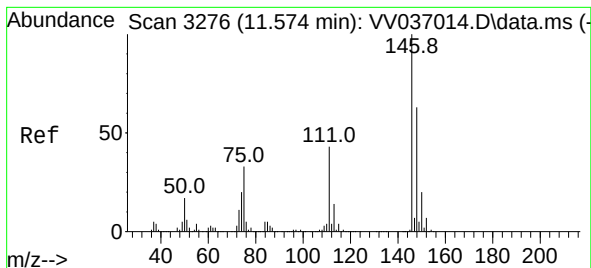
Tgt Ion:146 Resp: 22334  
Ion Ratio Lower Upper  
146 100  
111 42.5 29.7 55.1  
148 68.1 44.8 83.2



#65  
1,4-Dichlorobenzene  
Concen: 2.666 ug/L  
RT: 11.207 min Scan# 3162  
Delta R.T. 0.003 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

Tgt Ion:146 Resp: 24195  
Ion Ratio Lower Upper  
146 100  
111 42.4 28.1 52.1  
148 64.4 44.2 82.0





#67

1,2-Dichlorobenzene

Concen: 2.621 ug/L

RT: 11.577 min Scan# 3276

Delta R.T. 0.003 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

ClientSampleId :

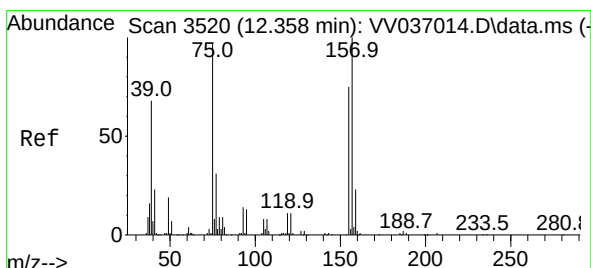
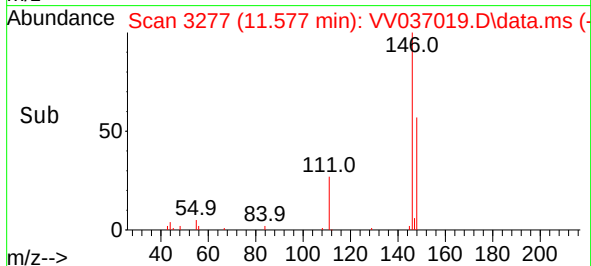
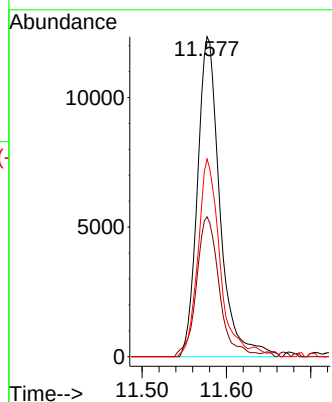
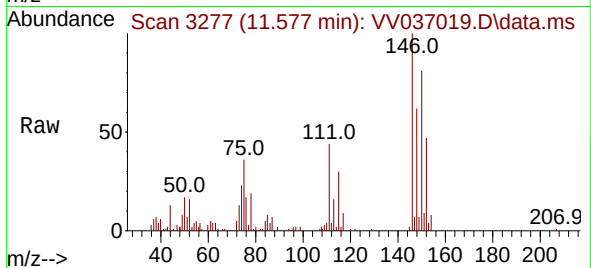
Tgt Ion:146 Resp: 22849

Ion Ratio Lower Upper

146 100

111 43.7 34.6 51.8

148 61.8 50.2 75.4



#68

1,2-Dibromo-3-chloropropane

Concen: 2.318 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.003 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

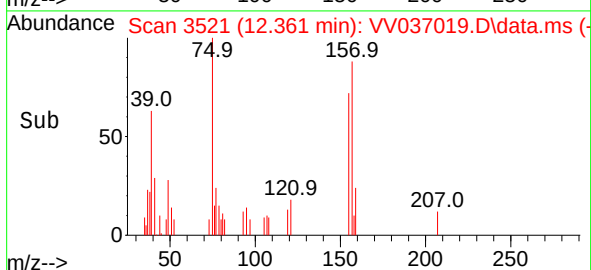
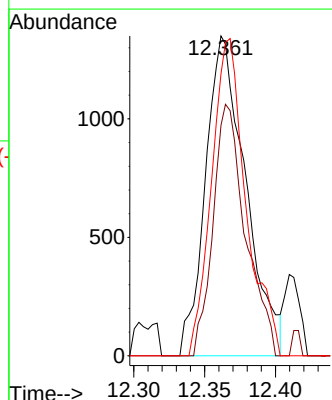
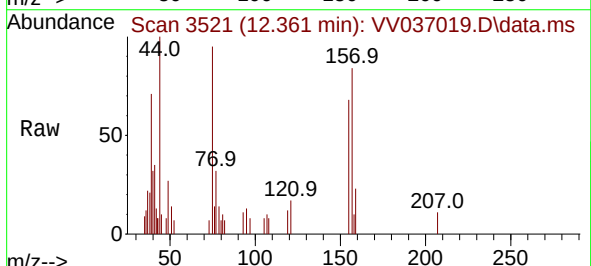
Tgt Ion: 75 Resp: 2663

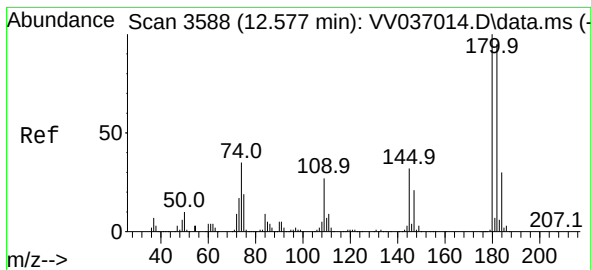
Ion Ratio Lower Upper

75 100

155 72.1 61.8 92.6

157 88.2 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 2.673 ug/L

RT: 12.583 min Scan# 3590

Delta R.T. 0.007 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion:180 Resp: 16489

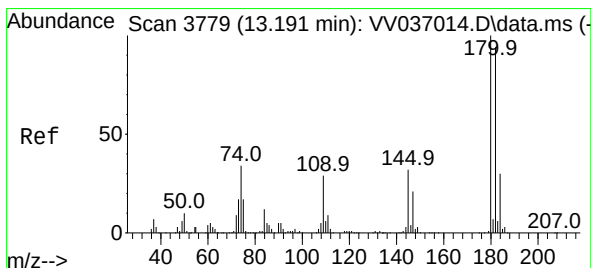
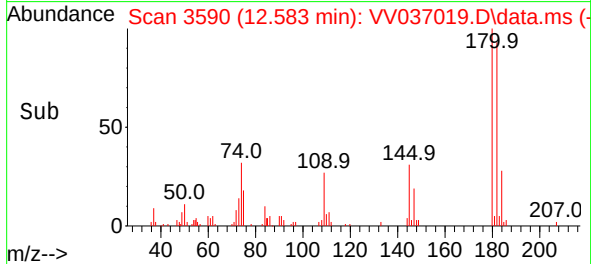
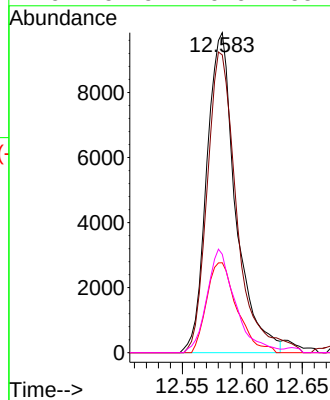
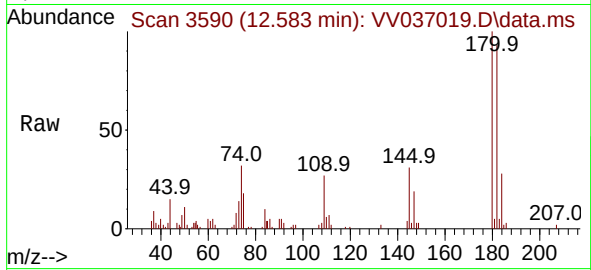
Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

184 29.4 24.2 36.2

145 31.8 25.5 38.3



#70

1,2,4-trichlorobenzene

Concen: 2.806 ug/L

RT: 13.197 min Scan# 3781

Delta R.T. 0.006 min

Lab File: VV037019.D

Acq: 26 Aug 2024 11:43

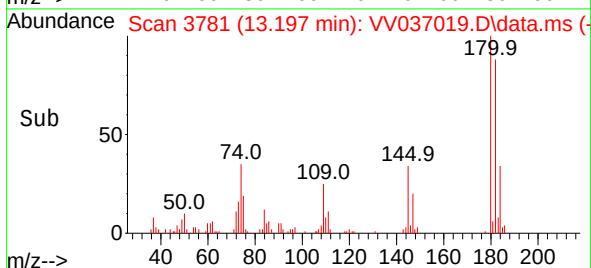
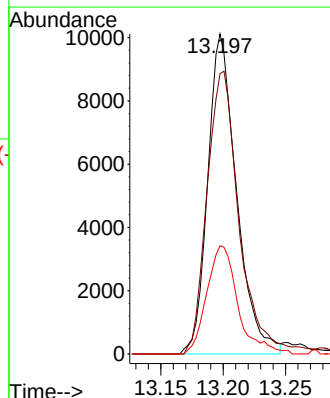
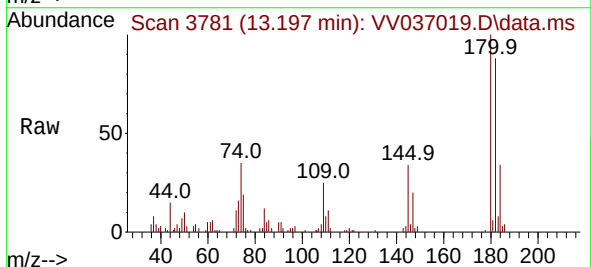
Tgt Ion:180 Resp: 16299

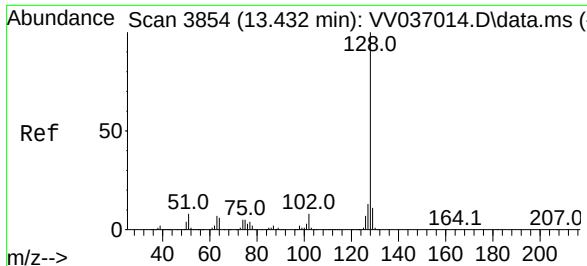
Ion Ratio Lower Upper

180 100

182 97.2 75.7 113.5

145 36.3 26.0 39.0

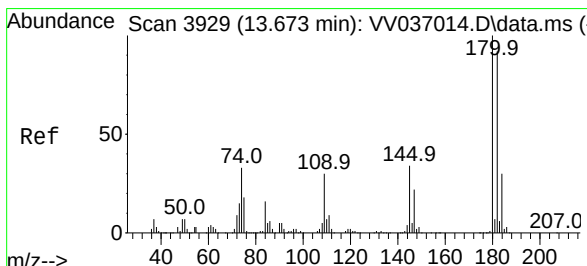
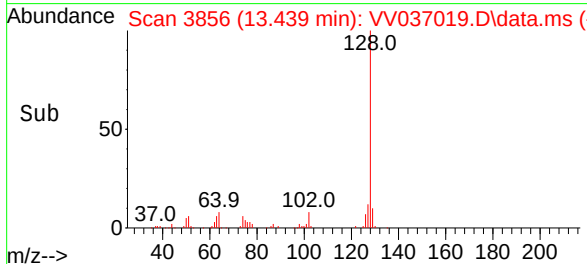
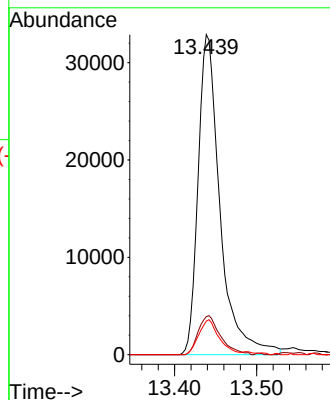
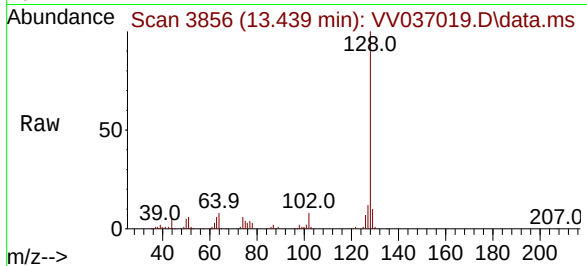




#71  
Naphthalene  
Concen: 3.640 ug/L  
RT: 13.439 min Scan# 3856  
Delta R.T. 0.006 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 61062  
Ion Ratio Lower Upper  
128 100  
127 12.2 10.2 15.2  
129 10.2 8.8 13.2



#72  
1,2,3-Trichlorobenzene  
Concen: 2.905 ug/L  
RT: 13.677 min Scan# 3930  
Delta R.T. 0.003 min  
Lab File: VV037019.D  
Acq: 26 Aug 2024 11:43

Tgt Ion:180 Resp: 16632  
Ion Ratio Lower Upper  
180 100  
182 88.5 75.1 112.7  
145 31.2 27.0 40.4

