

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV082224\  
 Data File : VV036999.D  
 Acq On : 22 Aug 2024 09:37  
 Operator : SY/MD  
 Sample : VSTD025  
 Misc : 5.00mL/10mL/MSVOA\_V/SOIL  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 23 04:46:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082224SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 23 04:43:11 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| Internal Standards            |        |      |          |        |       |          |
| 1) 1,4-Difluorobenzene        | 5.529  | 114  | 676316   | 25.000 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.780  | 117  | 630043   | 25.000 | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152  | 300498   | 25.000 | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |        |       |          |
| 4) Vinyl Chloride-d3          | 1.278  | 65   | 213984   | 22.580 | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.532  | 69   | 190632   | 23.517 | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.060  | 65   | 106497   | 23.328 | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.828  | 46   | 16603    | 9.624  | ug/L  | -0.02    |
| 24) Chloroform-d              | 4.243  | 84   | 475609   | 24.955 | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.941  | 65   | 214287   | 24.442 | ug/L  | 0.00     |
| 32) Benzene-d6                | 4.953  | 84   | 932519   | 24.699 | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.986  | 67   | 279719   | 23.457 | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.236  | 98   | 865039   | 25.138 | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.551  | 79   | 99473    | 24.944 | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.034  | 63   | 50243    | 51.274 | ug/L  | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.146 | 84   | 152205   | 24.052 | ug/L  | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.554 | 152  | 262735   | 24.425 | ug/L  | 0.00     |
| Target Compounds              |        |      |          |        |       |          |
|                               |        |      |          |        |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.108  | 85   | 250012   | 23.668 | ug/L  | 100      |
| 3) Chloromethane              | 1.217  | 50   | 295450   | 24.159 | ug/L  | 100      |
| 5) Vinyl chloride             | 1.282  | 62   | 302618   | 24.985 | ug/L  | 100      |
| 6) Bromomethane               | 1.487  | 94   | 189198   | 24.561 | ug/L  | 100      |
| 8) Chloroethane               | 1.548  | 64   | 187147   | 24.463 | ug/L  | 100      |
| 9) Trichlorofluoromethane     | 1.712  | 101  | 404144   | 25.271 | ug/L  | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.066  | 101  | 248206   | 25.183 | ug/L  | 100      |
| 12) 1,1-Dichloroethene        | 2.069  | 96   | 228666   | 24.911 | ug/L  | 100      |
| 13) Acetone                   | 2.159  | 43   | 105134   | 55.872 | ug/L  | 100      |
| 14) Carbon disulfide          | 2.240  | 76   | 757367   | 24.917 | ug/L  | 100      |
| 15) Methyl Acetate            | 2.384  | 43   | 84208    | 25.052 | ug/L  | 100      |
| 16) Methylene chloride        | 2.445  | 84   | 265352   | 19.724 | ug/L  | 100      |
| 17) trans-1,2-Dichloroethene  | 2.690  | 96   | 251465   | 25.027 | ug/L  | 100      |
| 18) Methyl tert-butyl Ether   | 2.709  | 73   | 504539   | 24.238 | ug/L  | 100      |
| 19) 1,1-Dichloroethane        | 3.105  | 63   | 490999   | 25.102 | ug/L  | 100      |
| 20) cis-1,2-Dichloroethene    | 3.809  | 96   | 274920   | 25.509 | ug/L  | 100      |
| 22) 2-Butanone                | 3.915  | 43   | 103122   | 62.058 | ug/L  | 100      |
| 23) Bromochloromethane        | 4.140  | 128  | 108827   | 25.445 | ug/L  | 100      |
| 25) Chloroform                | 4.272  | 83   | 484517   | 25.343 | ug/L  | 100      |
| 27) 1,2-Dichloroethane        | 5.040  | 62   | 266856   | 25.525 | ug/L  | 100      |
| 29) Cyclohexane               | 4.571  | 56   | 421349   | 25.780 | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.503  | 97   | 410299   | 25.826 | ug/L  | 100      |
| 31) Carbon tetrachloride      | 4.725  | 117  | 345460   | 25.765 | ug/L  | 100      |
| 33) Benzene                   | 5.005  | 78   | 1050220  | 25.570 | ug/L  | 100      |
| 34) Trichloroethene           | 5.828  | 95   | 292926   | 25.264 | ug/L  | 100      |
| 35) Methylcyclohexane         | 6.043  | 83   | 461835   | 25.761 | ug/L  | 100      |
| 37) 1,2-Dichloropropane       | 6.088  | 63   | 248212   | 25.016 | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.429  | 83   | 312052   | 25.320 | ug/L  | 100      |
| 39) cis-1,3-Dichloropropene   | 6.950  | 75   | 379291   | 26.028 | ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 207031   | 49.538 | ug/L  | 100      |
| 42) Toluene                   | 7.310  | 91   | 1108763  | 25.768 | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.577  | 75   | 281577   | 25.542 | ug/L  | 100      |

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 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 23 04:46:07 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM082224SMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Aug 23 04:43:11 2024  
 Response via : Initial Calibration

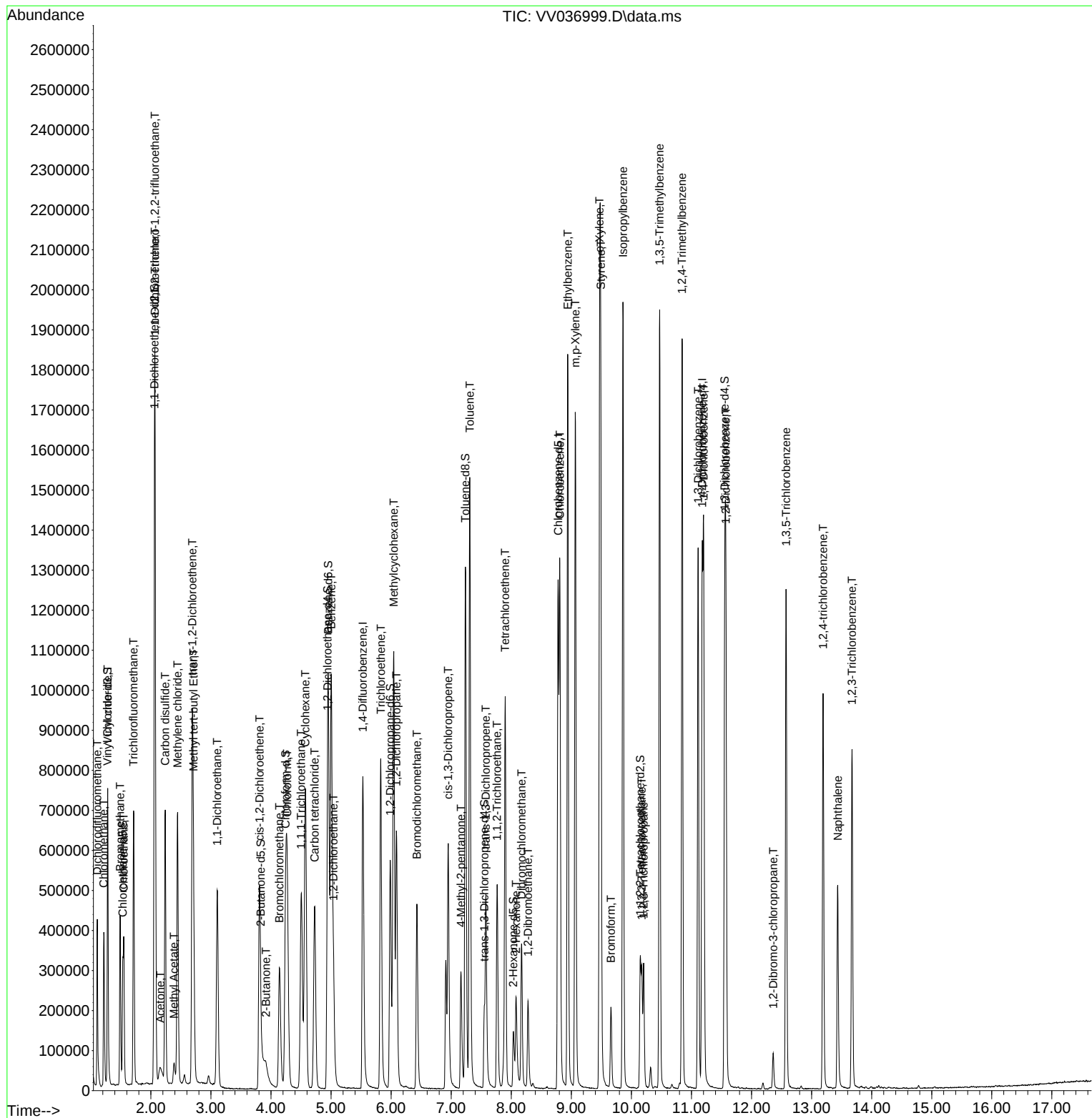
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| -----                         |        |      |          |        |       |          |
| 45) 1,1,2-Trichloroethane     | 7.764  | 97   | 162640   | 24.978 | ug/L  | 100      |
| 46) Tetrachloroethene         | 7.899  | 164  | 205145   | 25.025 | ug/L  | 100      |
| 48) 2-Hexanone                | 8.082  | 43   | 152036   | 52.260 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.172  | 129  | 182725   | 25.507 | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.278  | 107  | 146808   | 24.983 | ug/L  | 100      |
| 51) Chlorobenzene             | 8.809  | 112  | 695951   | 25.327 | ug/L  | 100      |
| 52) Ethylbenzene              | 8.940  | 91   | 1250190  | 25.767 | ug/L  | 100      |
| 53) m,p-Xylene                | 9.066  | 106  | 471438   | 26.152 | ug/L  | 100      |
| 54) o-Xylene                  | 9.471  | 106  | 446660   | 25.938 | ug/L  | 100      |
| 55) Styrene                   | 9.490  | 104  | 742478   | 26.124 | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.172 | 83   | 147805   | 24.519 | ug/L  | 100      |
| 59) Bromoform                 | 9.661  | 173  | 85965    | 25.260 | ug/L  | 100      |
| 60) Isopropylbenzene          | 9.860  | 105  | 1240261  | 26.176 | ug/L  | 100      |
| 61) 1,2,3-Trichloropropane    | 10.204 | 75   | 119315   | 24.622 | ug/L  | 100      |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 1011379  | 26.072 | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.844 | 105  | 993878   | 26.286 | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.111 | 146  | 514664   | 25.417 | ug/L  | 100      |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 511225   | 25.276 | ug/L  | 100      |
| 67) 1,2-Dichlorobenzene       | 11.574 | 146  | 441564   | 25.169 | ug/L  | 100      |
| 68) 1,2-Dibromo-3-chloropr... | 12.361 | 75   | 23874    | 25.171 | ug/L  | 100      |
| 69) 1,3,5-Trichlorobenzene    | 12.577 | 180  | 358261   | 25.388 | ug/L  | 100      |
| 70) 1,2,4-trichlorobenzene    | 13.191 | 180  | 280388   | 24.829 | ug/L  | 100      |
| 71) Naphthalene               | 13.435 | 128  | 405199   | 23.819 | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.673 | 180  | 232124   | 24.826 | ug/L  | 100      |
| -----                         |        |      |          |        |       |          |

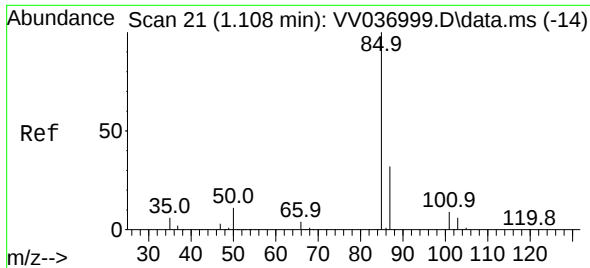
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Quant Title : VOC Analysis  
QLast Update : Fri Aug 23 04:43:11 2024  
Response via : Initial Calibration

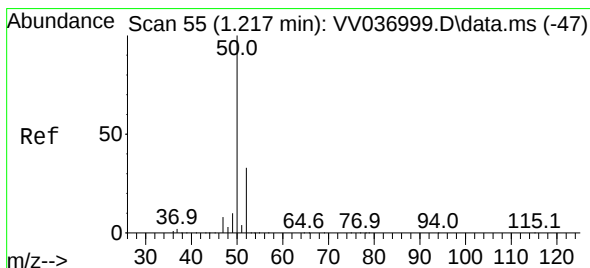
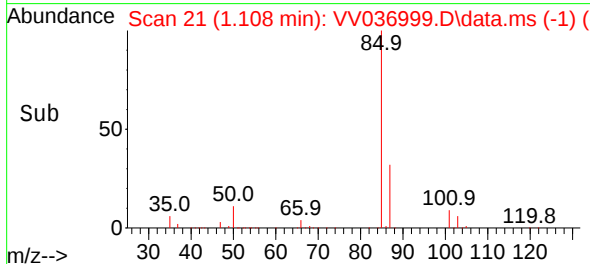
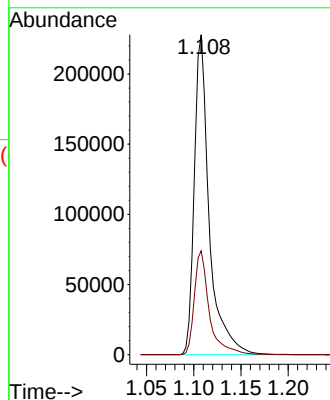
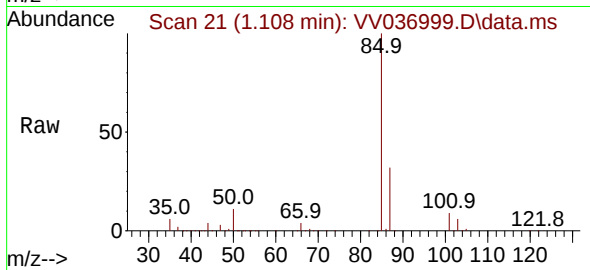




#2  
 Dichlorodifluoromethane  
 Concen: 23.668 ug/L  
 RT: 1.108 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV036999.D  
 Acq: 22 Aug 2024 09:37

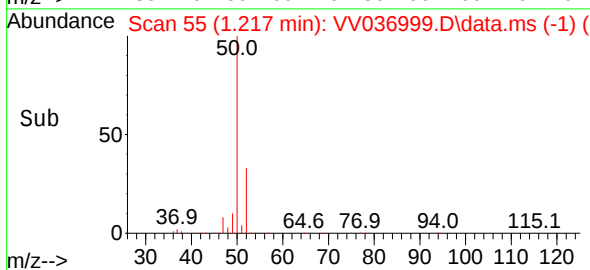
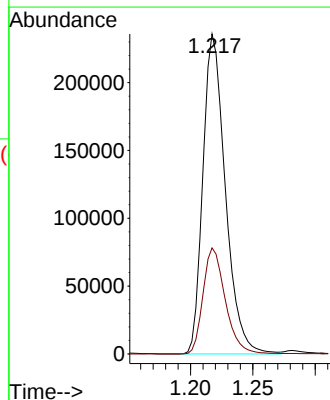
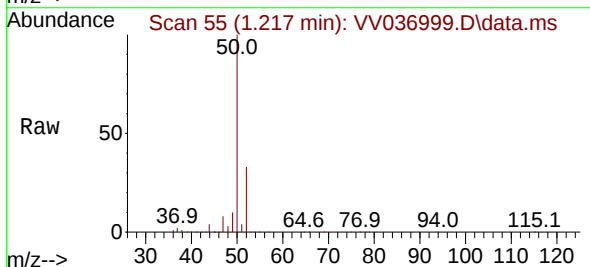
Instrument :  
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 ClientSampleId :

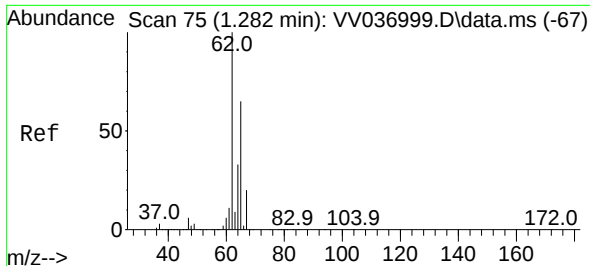
Tgt Ion: 85 Resp: 250012  
 Ion Ratio Lower Upper  
 85 100  
 87 32.6 26.1 39.1



#3  
 Chloromethane  
 Concen: 24.159 ug/L  
 RT: 1.217 min Scan# 55  
 Delta R.T. 0.000 min  
 Lab File: VV036999.D  
 Acq: 22 Aug 2024 09:37

Tgt Ion: 50 Resp: 295450  
 Ion Ratio Lower Upper  
 50 100  
 52 33.2 23.2 43.2

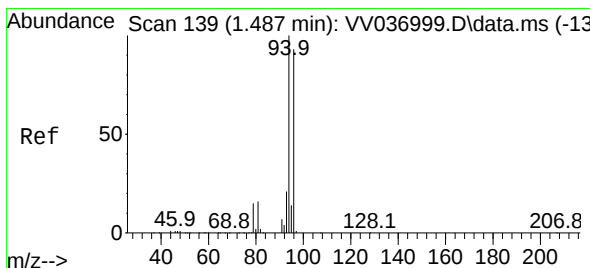
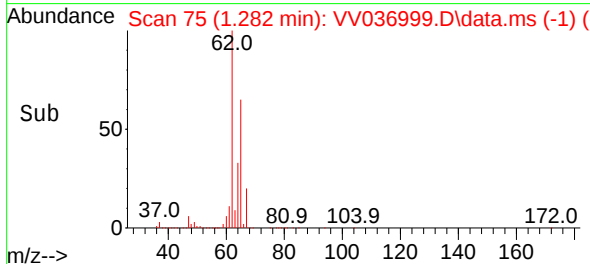
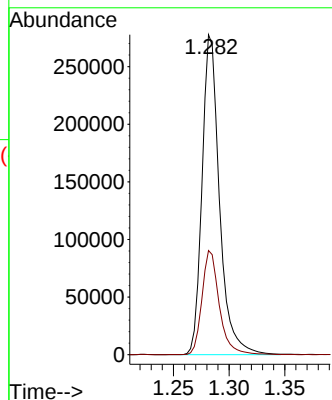
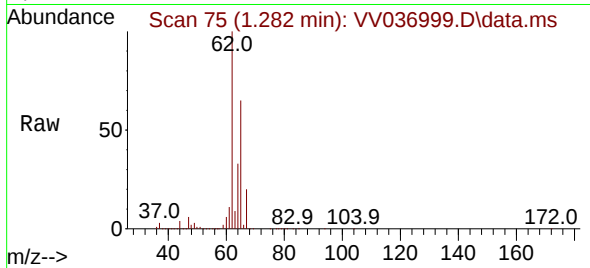




#5  
 Vinyl chloride  
 Concen: 24.985 ug/L  
 RT: 1.282 min Scan# 75  
 Delta R.T. 0.000 min  
 Lab File: VV036999.D  
 Acq: 22 Aug 2024 09:37

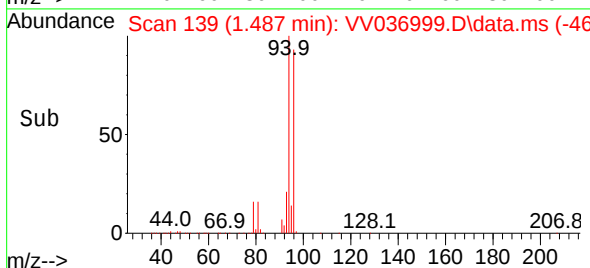
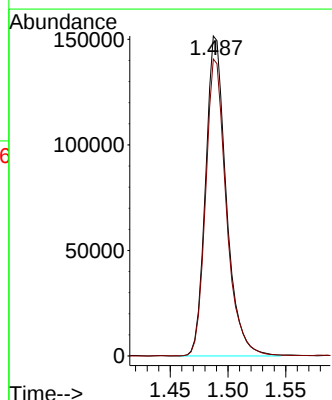
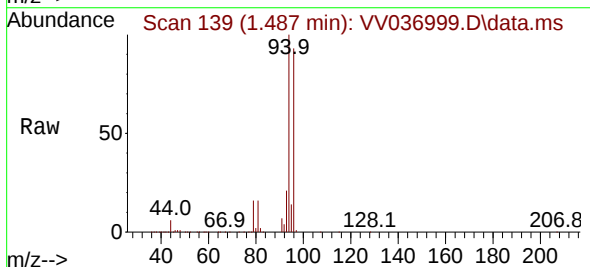
Instrument :  
 MSVOA\_V  
 ClientSampleId :

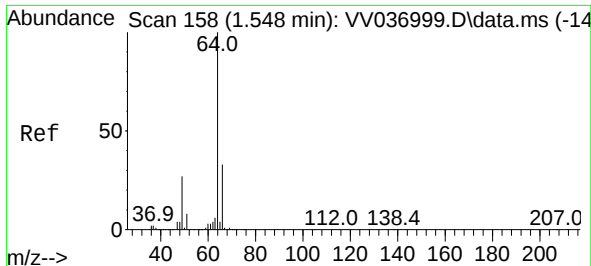
Tgt Ion: 62 Resp: 302618  
 Ion Ratio Lower Upper  
 62 100  
 64 32.6 22.8 42.4



#6  
 Bromomethane  
 Concen: 24.561 ug/L  
 RT: 1.487 min Scan# 139  
 Delta R.T. 0.000 min  
 Lab File: VV036999.D  
 Acq: 22 Aug 2024 09:37

Tgt Ion: 94 Resp: 189198  
 Ion Ratio Lower Upper  
 94 100  
 96 92.8 65.0 120.6

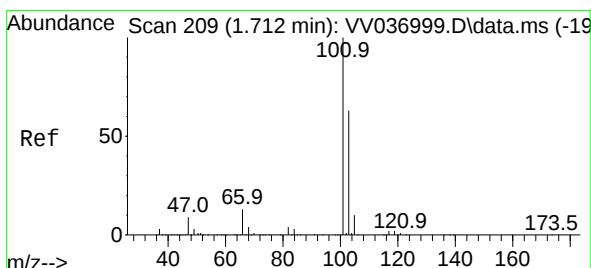
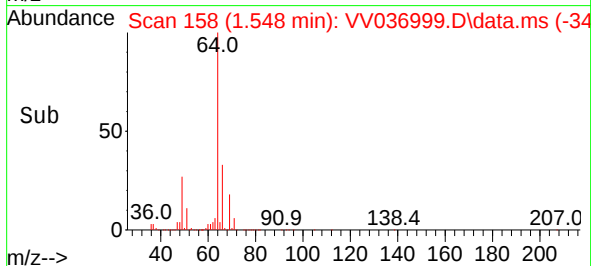
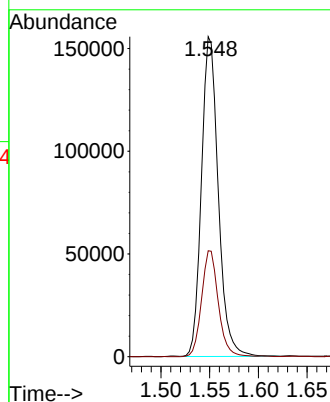
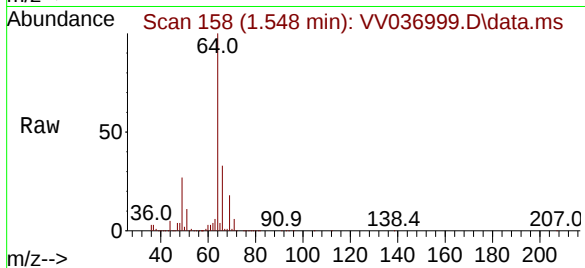




#8  
Chloroethane  
Concen: 24.463 ug/L  
RT: 1.548 min Scan# 158  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

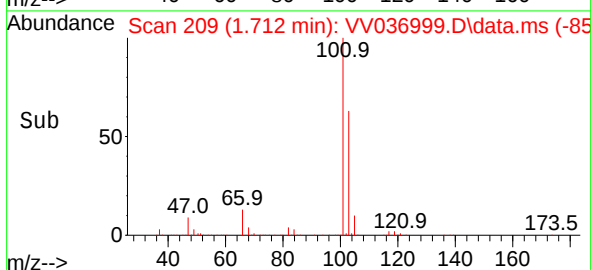
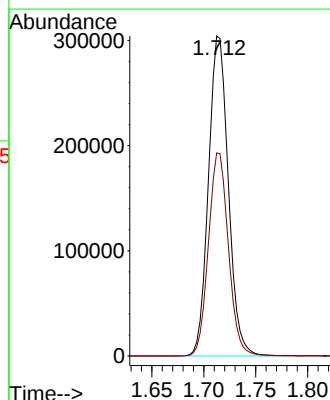
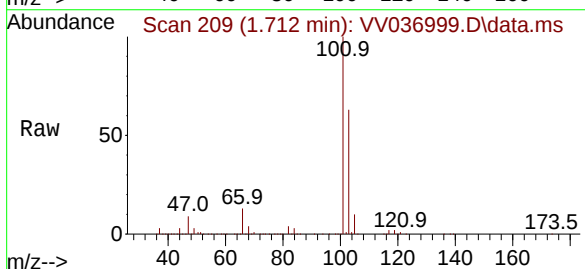
Instrument :  
MSVOA\_V  
ClientSampleId :

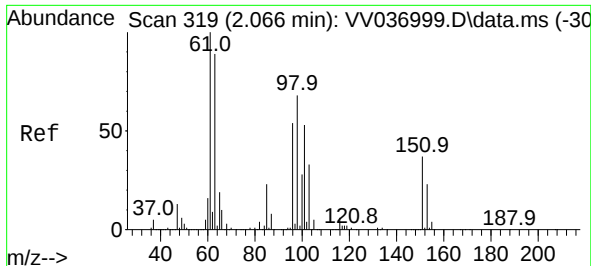
Tgt Ion: 64 Resp: 187147  
Ion Ratio Lower Upper  
64 100  
66 33.1 23.2 43.0



#9  
Trichlorofluoromethane  
Concen: 25.271 ug/L  
RT: 1.712 min Scan# 209  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

Tgt Ion:101 Resp: 404144  
Ion Ratio Lower Upper  
101 100  
103 63.8 51.0 76.6





#10

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

Concen: 25.183 ug/L

RT: 2.066 min Scan# 319

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

ClientSampleId :

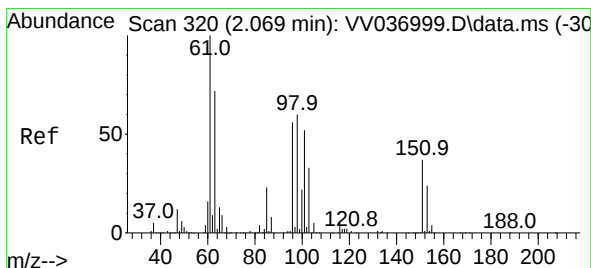
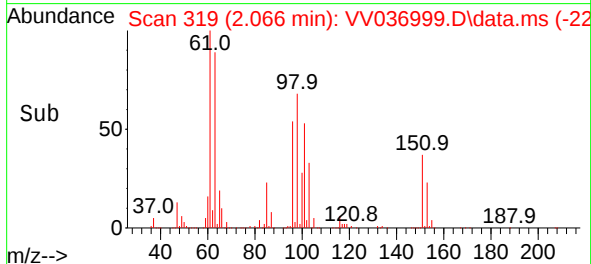
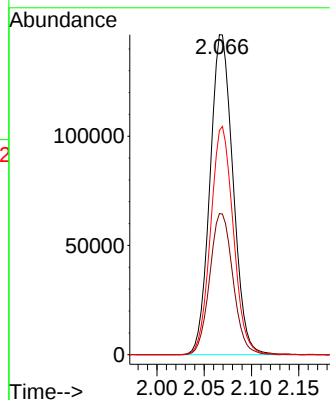
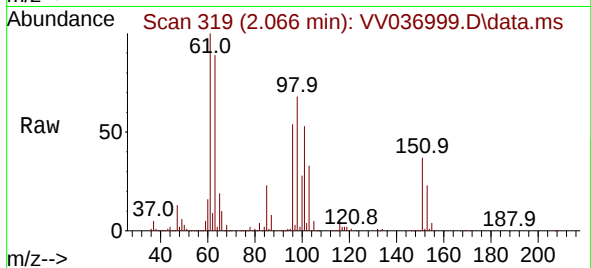
Tgt Ion:101 Resp: 248206

Ion Ratio Lower Upper

101 100

85 44.5 35.6 53.4

151 70.4 56.3 84.5



#12

1,1-Dichloroethene

Concen: 24.911 ug/L

RT: 2.069 min Scan# 320

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

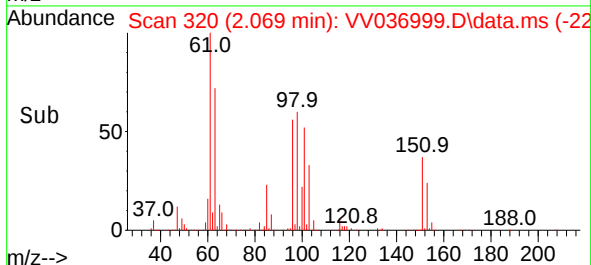
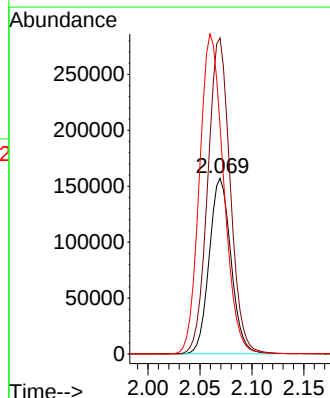
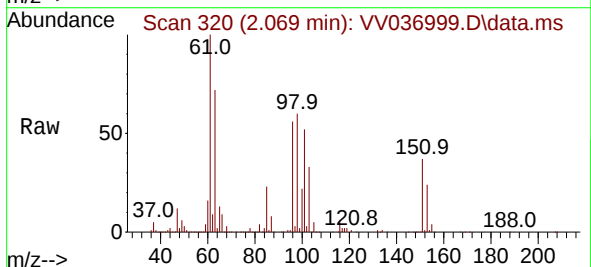
Tgt Ion: 96 Resp: 228666

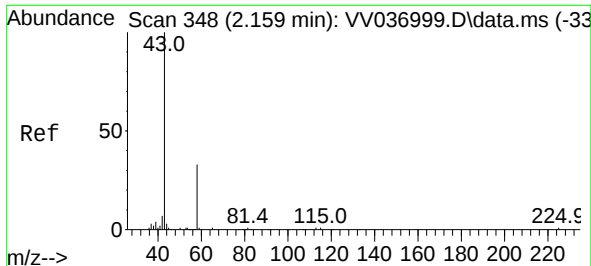
Ion Ratio Lower Upper

96 100

61 180.0 126.0 234.0

63 130.0 91.0 169.0





#13

Acetone

Concen: 55.872 ug/L

RT: 2.159 min Scan# 348

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

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MSVOA\_V

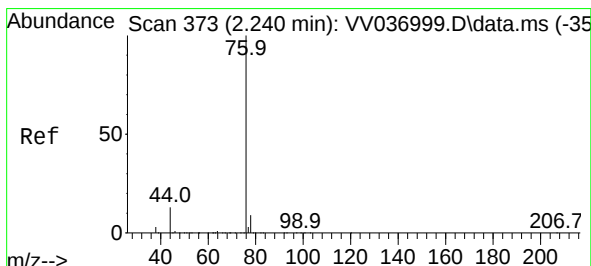
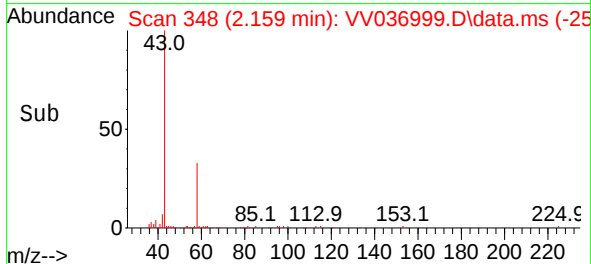
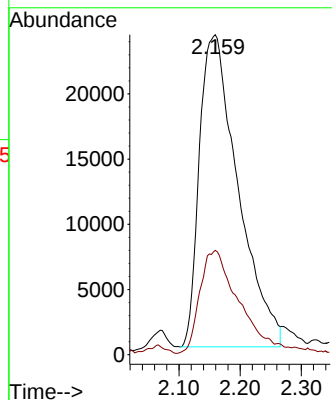
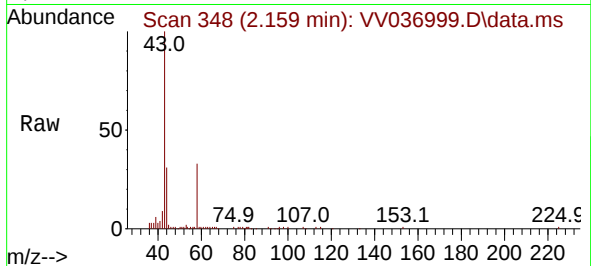
ClientSampleId :

Tgt Ion: 43 Resp: 105134

Ion Ratio Lower Upper

43 100

58 10.6 0.0 21.2



#14

Carbon disulfide

Concen: 24.917 ug/L

RT: 2.240 min Scan# 373

Delta R.T. 0.000 min

Lab File: VV036999.D

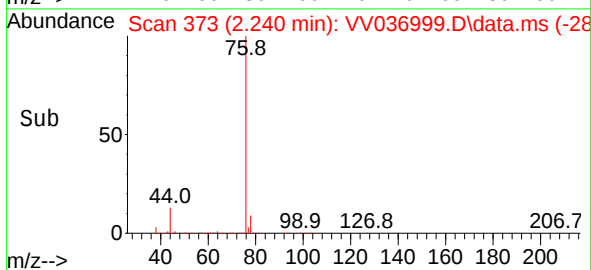
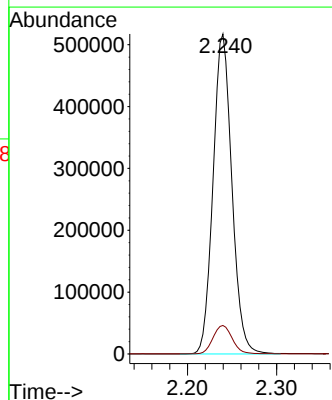
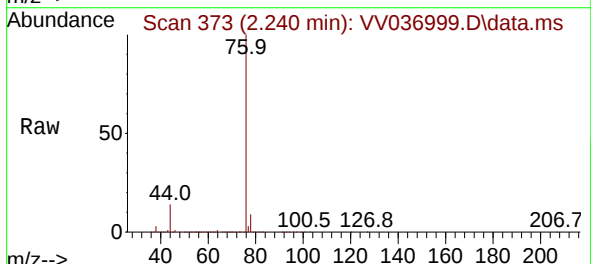
Acq: 22 Aug 2024 09:37

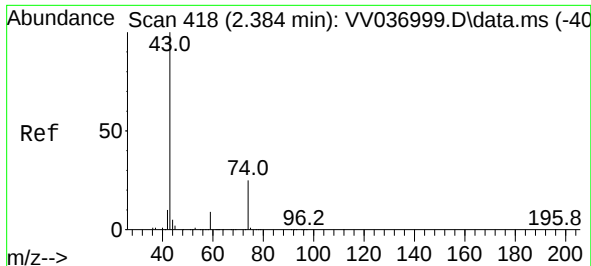
Tgt Ion: 76 Resp: 757367

Ion Ratio Lower Upper

76 100

78 8.9 7.1 10.7





#15

Methyl Acetate

Concen: 25.052 ug/L

RT: 2.384 min Scan# 418

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

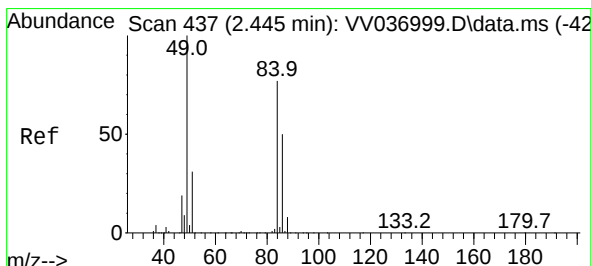
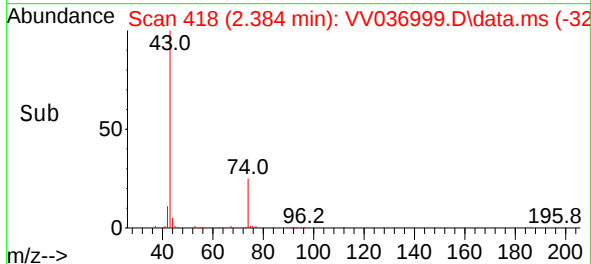
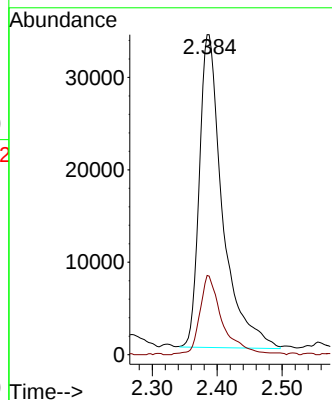
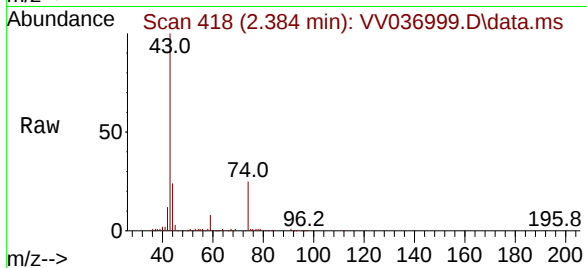
ClientSampleId :

Tgt Ion: 43 Resp: 84208

Ion Ratio Lower Upper

43 100

74 24.5 19.6 29.4



#16

Methylene chloride

Concen: 19.724 ug/L

RT: 2.445 min Scan# 437

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

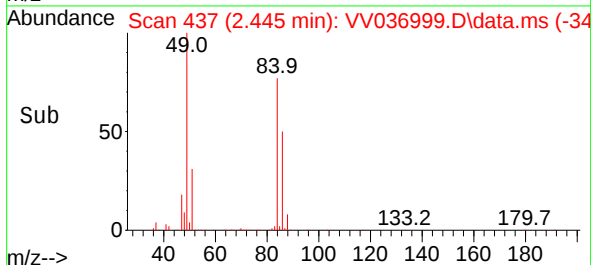
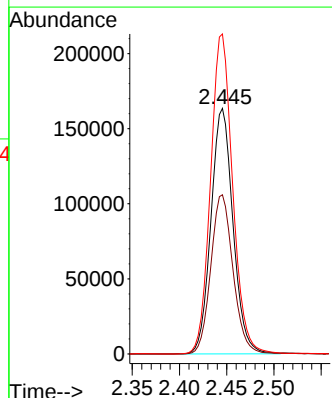
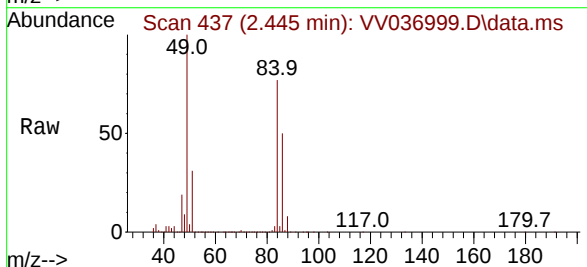
Tgt Ion: 84 Resp: 265352

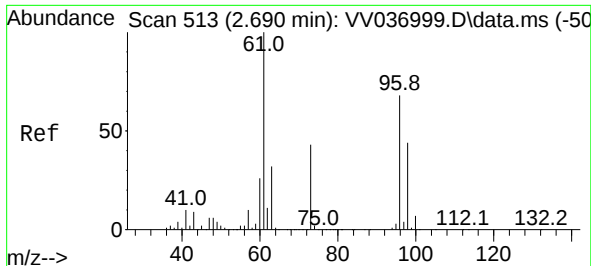
Ion Ratio Lower Upper

84 100

86 64.8 45.4 84.2

49 130.3 91.2 169.4





#17

trans-1,2-Dichloroethene

Concen: 25.027 ug/L

RT: 2.690 min Scan# 513

Delta R.T. 0.000 min

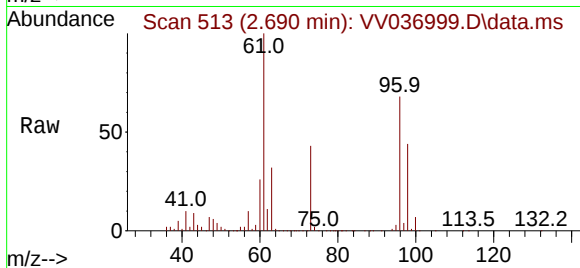
Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

ClientSampleId :



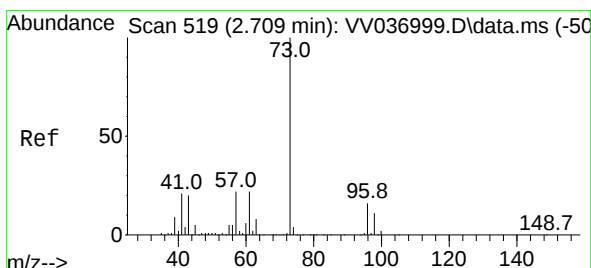
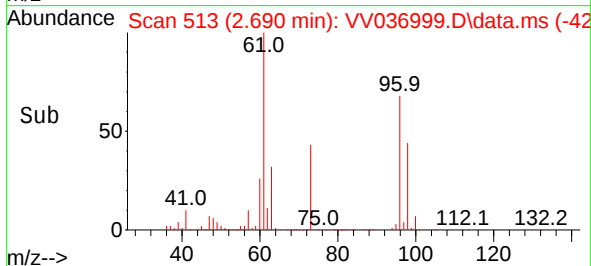
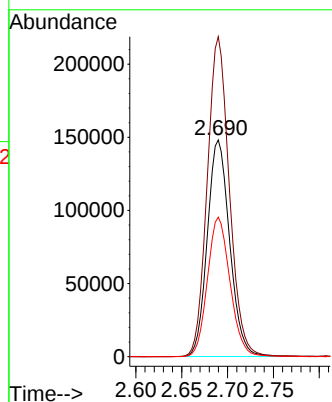
Tgt Ion: 96 Resp: 251465

Ion Ratio Lower Upper

96 100

61 147.6 103.3 191.9

98 64.3 45.0 83.6



#18

Methyl tert-butyl Ether

Concen: 24.238 ug/L

RT: 2.709 min Scan# 519

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

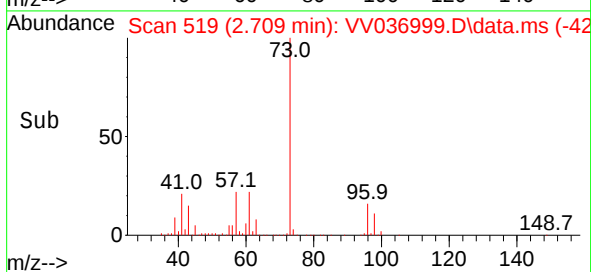
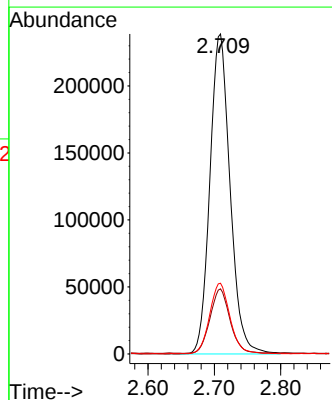
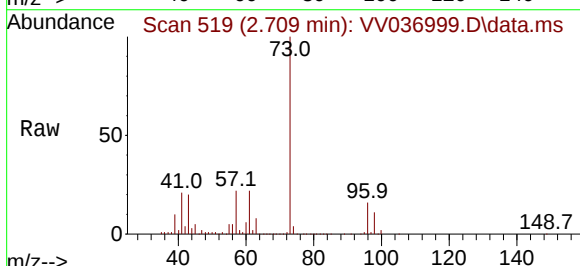
Tgt Ion: 73 Resp: 504539

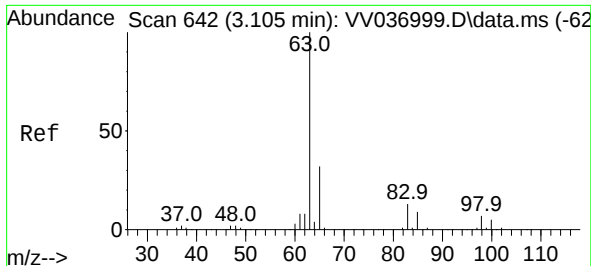
Ion Ratio Lower Upper

73 100

43 19.9 15.9 23.9

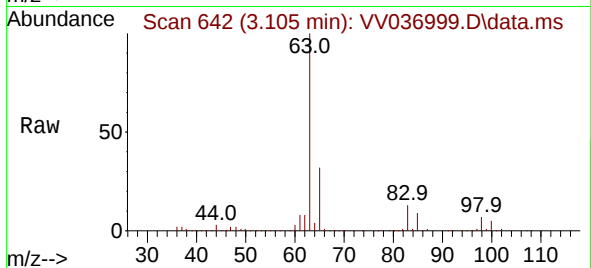
57 22.0 17.6 26.4



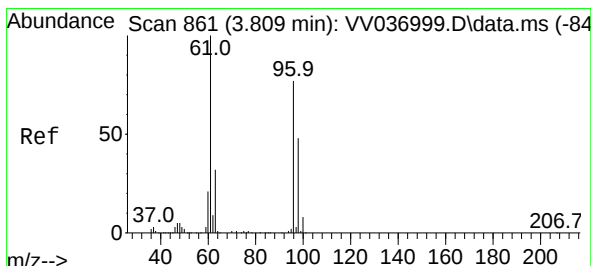
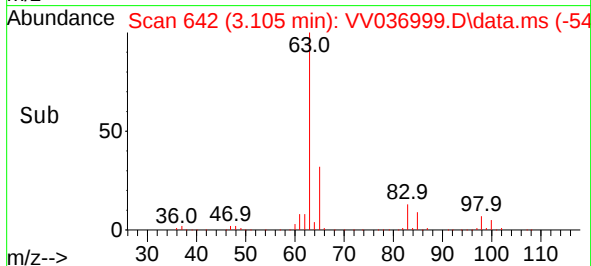
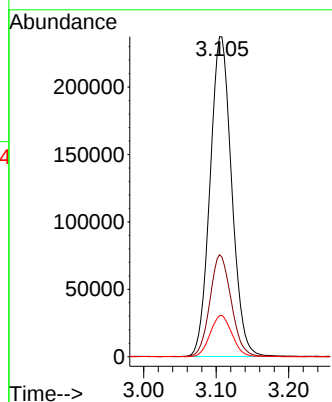


#19  
1,1-Dichloroethane  
Concen: 25.102 ug/L  
RT: 3.105 min Scan# 642  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

Instrument :  
MSVOA\_V  
ClientSampleId :

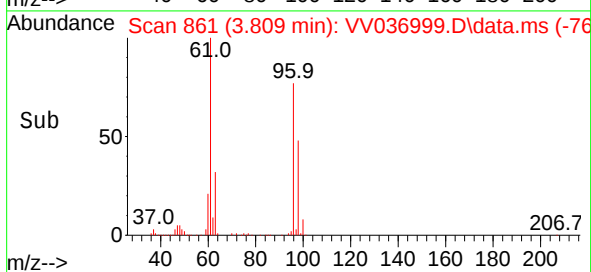
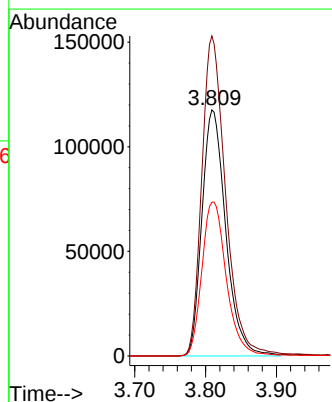
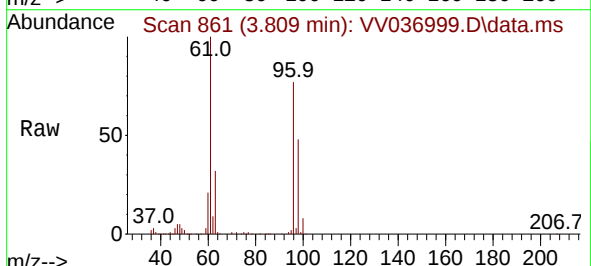


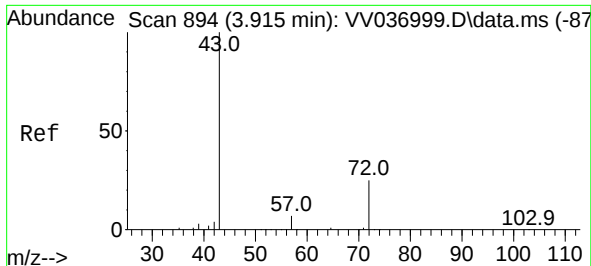
Tgt Ion: 63 Resp: 490999  
Ion Ratio Lower Upper  
63 100  
65 31.8 22.3 41.3  
83 12.8 9.0 16.6



#20  
cis-1,2-Dichloroethene  
Concen: 25.509 ug/L  
RT: 3.809 min Scan# 861  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

Tgt Ion: 96 Resp: 274920  
Ion Ratio Lower Upper  
96 100  
61 130.0 91.0 169.0  
98 62.5 43.8 81.3

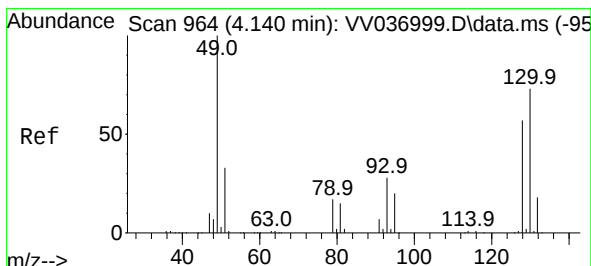
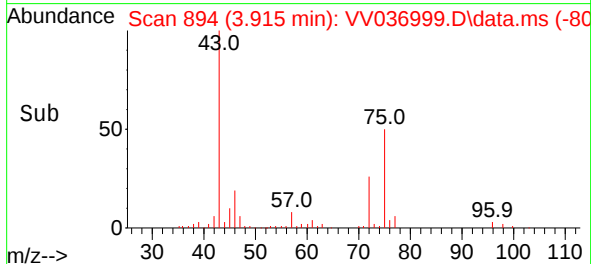
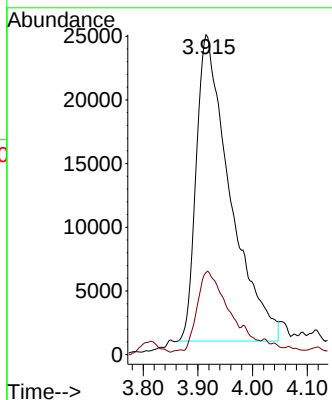
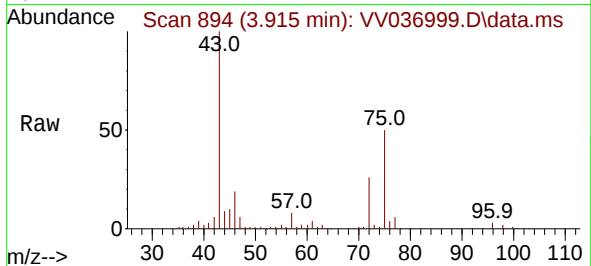




#22  
2-Butanone  
Concen: 62.058 ug/L  
RT: 3.915 min Scan# 894  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

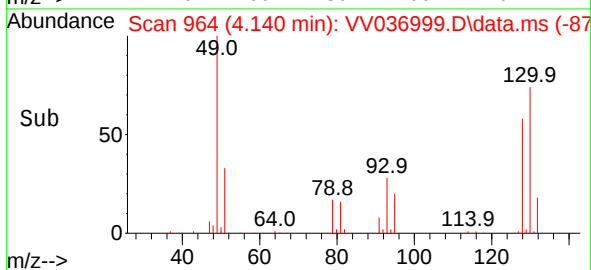
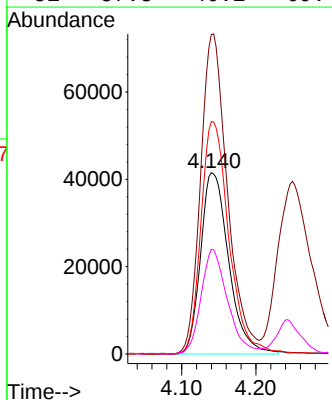
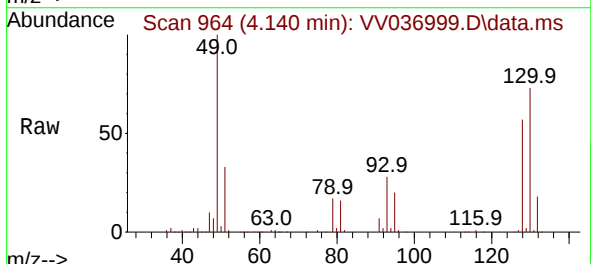
Instrument :  
MSVOA\_V  
ClientSampleId :

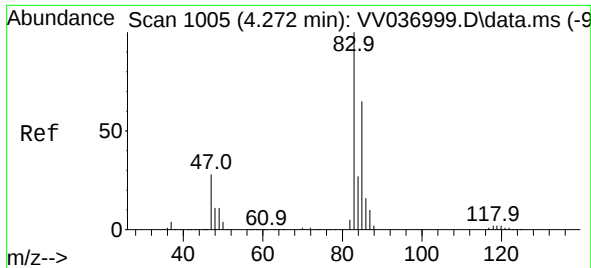
Tgt Ion: 43 Resp: 103122  
Ion Ratio Lower Upper  
43 100  
72 21.4 10.7 32.1



#23  
Bromochloromethane  
Concen: 25.445 ug/L  
RT: 4.140 min Scan# 964  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

Tgt Ion:128 Resp: 108827  
Ion Ratio Lower Upper  
128 100  
49 176.2 123.3 229.1  
130 128.1 89.7 166.5  
51 57.8 46.2 69.4





#25

Chloroform

Concen: 25.343 ug/L

RT: 4.272 min Scan# 1005

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

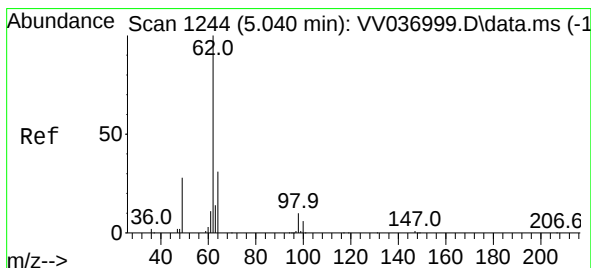
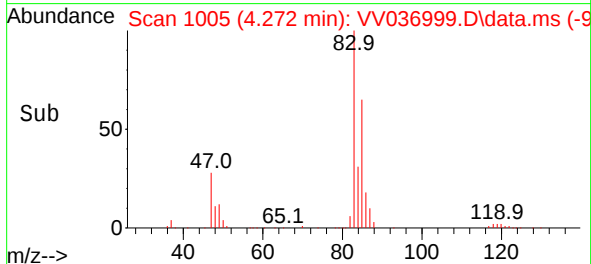
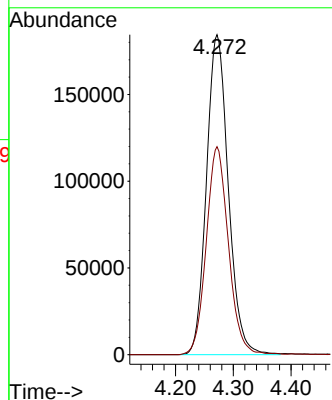
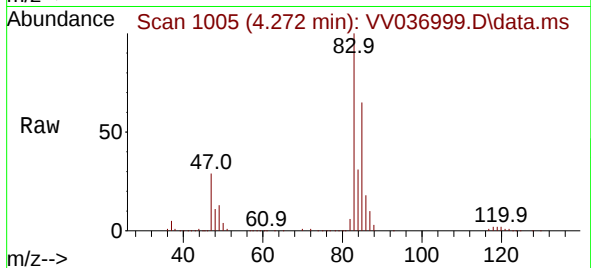
ClientSampleId :

Tgt Ion: 83 Resp: 484517

Ion Ratio Lower Upper

83 100

85 65.0 45.5 84.5



#27

1,2-Dichloroethane

Concen: 25.525 ug/L

RT: 5.040 min Scan# 1244

Delta R.T. 0.000 min

Lab File: VV036999.D

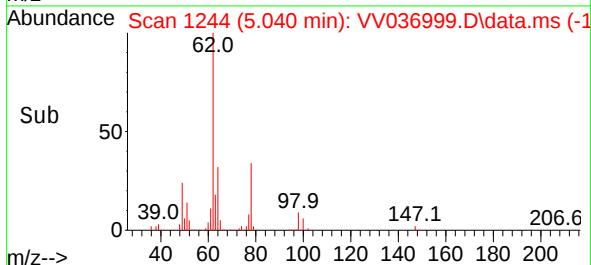
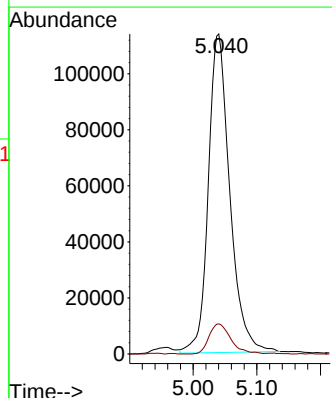
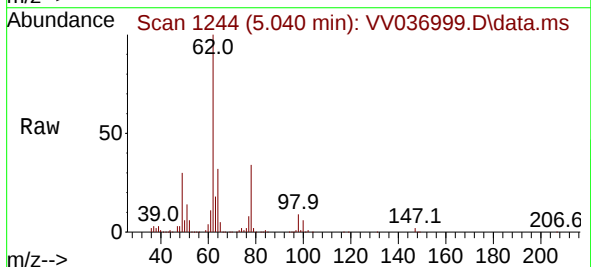
Acq: 22 Aug 2024 09:37

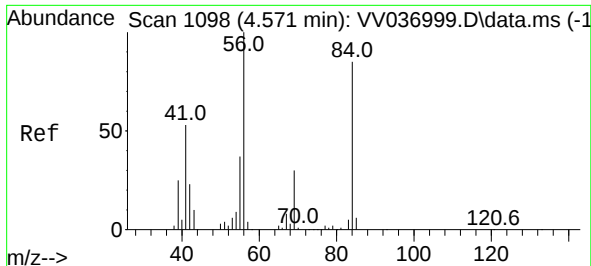
Tgt Ion: 62 Resp: 266856

Ion Ratio Lower Upper

62 100

98 9.4 7.5 11.3





#29

Cyclohexane

Concen: 25.780 ug/L

RT: 4.571 min Scan# 1098

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

ClientSampleId :

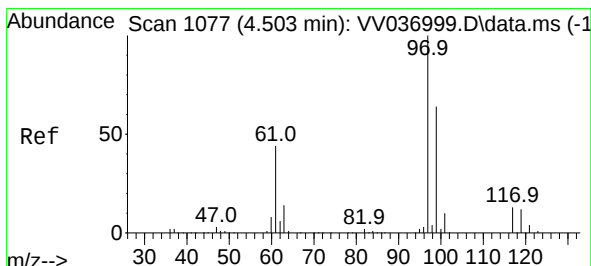
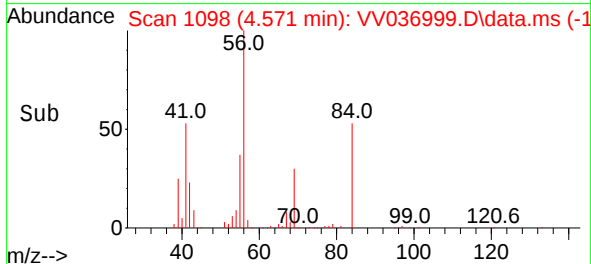
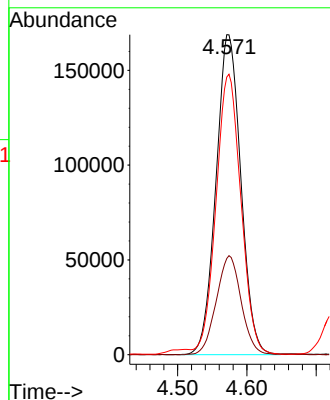
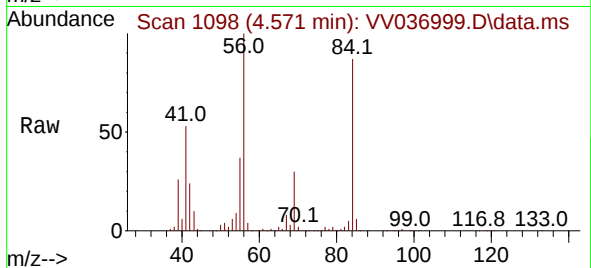
Tgt Ion: 56 Resp: 421349

Ion Ratio Lower Upper

56 100

69 30.9 24.7 37.1

84 87.5 70.0 105.0



#30

1,1,1-Trichloroethane

Concen: 25.826 ug/L

RT: 4.503 min Scan# 1077

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

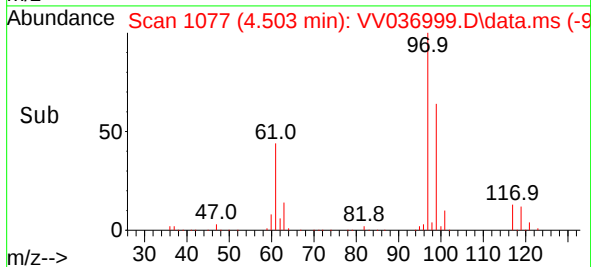
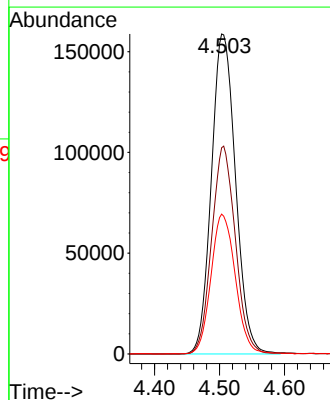
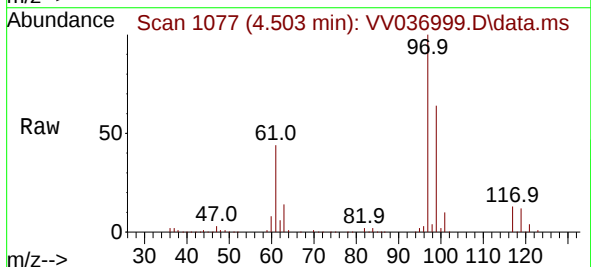
Tgt Ion: 97 Resp: 410299

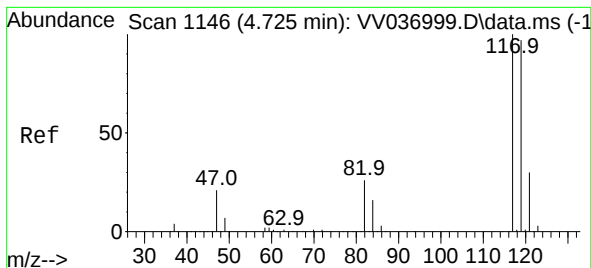
Ion Ratio Lower Upper

97 100

99 63.7 51.0 76.4

61 43.8 35.0 52.6





#31

Carbon tetrachloride

Concen: 25.765 ug/L

RT: 4.725 min Scan# 1146

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

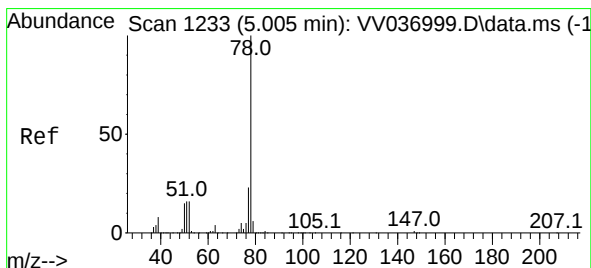
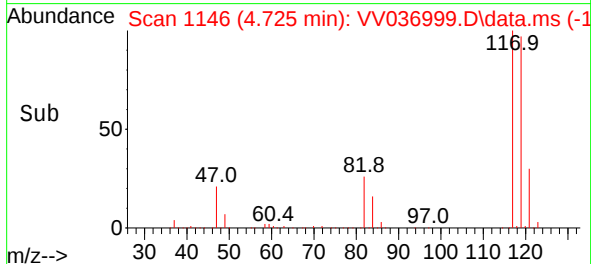
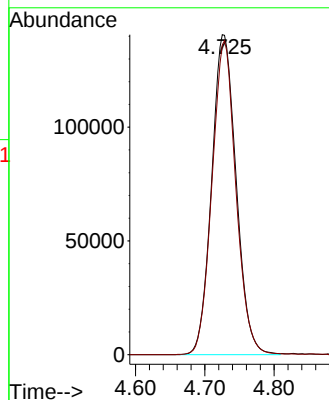
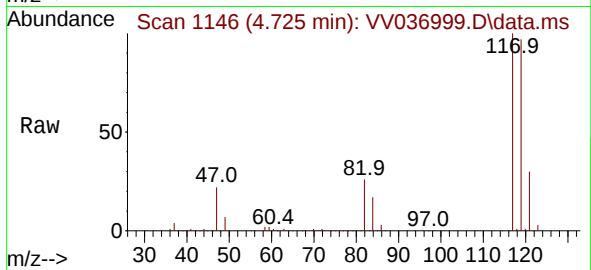
ClientSampleId :

Tgt Ion:117 Resp: 345460

Ion Ratio Lower Upper

117 100

119 95.8 76.6 115.0



#33

Benzene

Concen: 25.570 ug/L

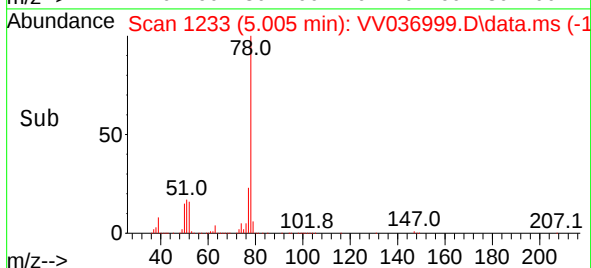
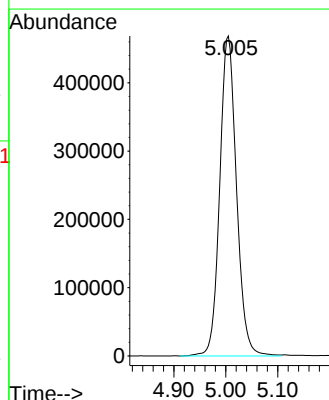
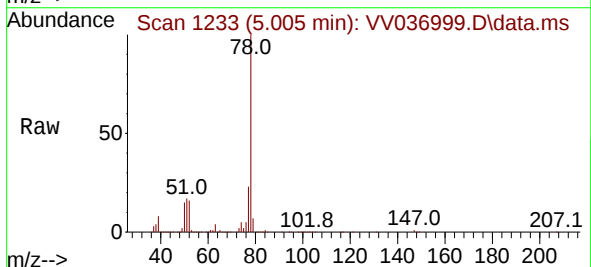
RT: 5.005 min Scan# 1233

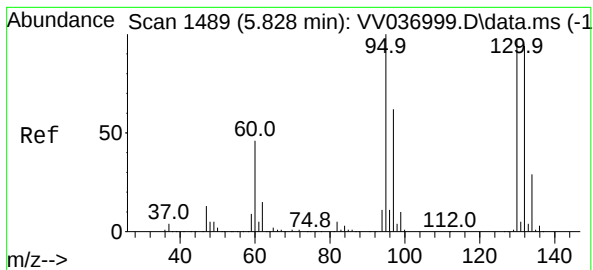
Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Tgt Ion: 78 Resp: 1050220





#34

Trichloroethene

Concen: 25.264 ug/L

RT: 5.828 min Scan# 1489

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 292926

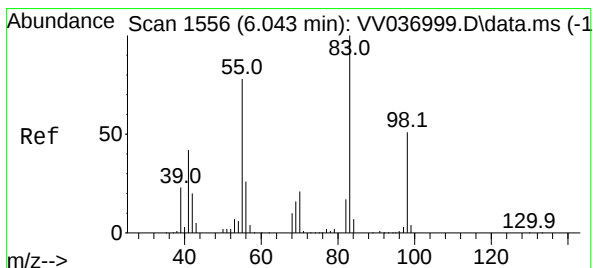
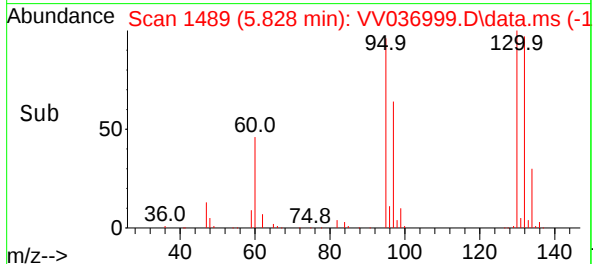
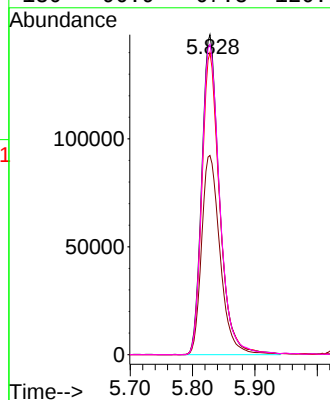
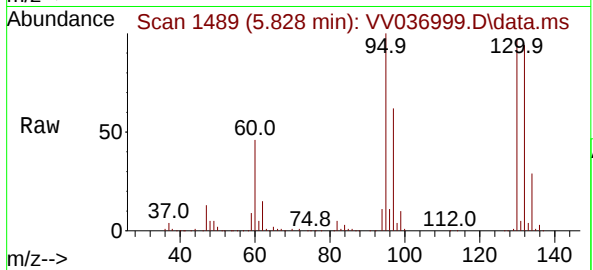
Ion Ratio Lower Upper

95 100

97 62.2 43.5 80.9

132 94.4 66.1 122.7

130 96.9 67.8 126.0



#35

Methylcyclohexane

Concen: 25.761 ug/L

RT: 6.043 min Scan# 1556

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

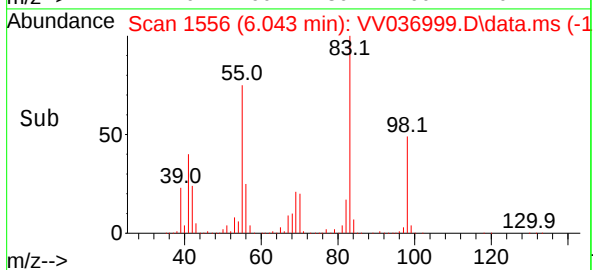
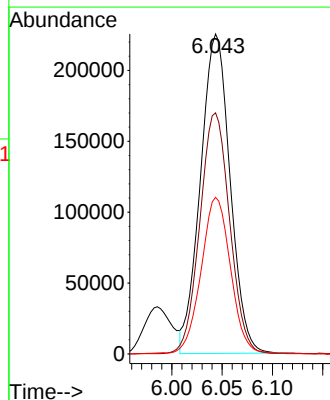
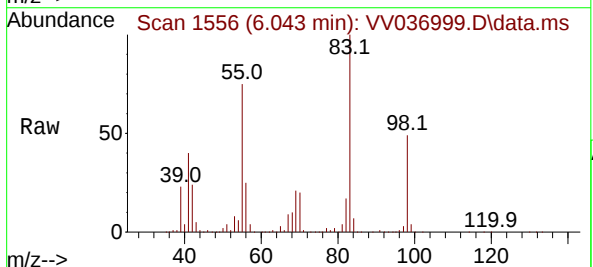
Tgt Ion: 83 Resp: 461835

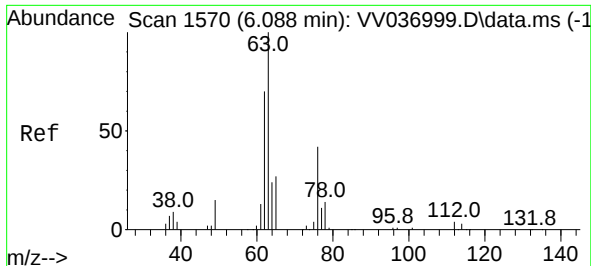
Ion Ratio Lower Upper

83 100

55 76.1 60.9 91.3

98 48.8 39.0 58.6

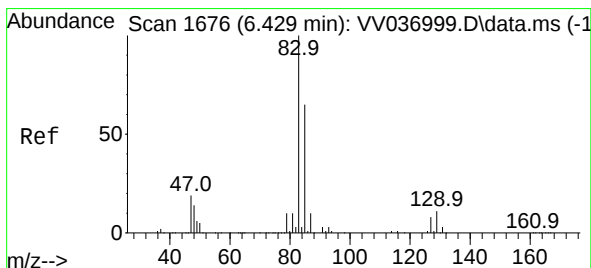
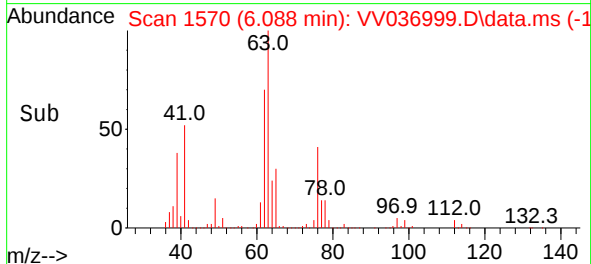
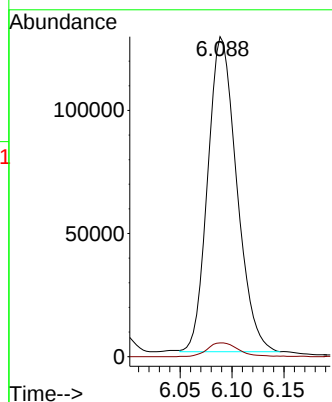
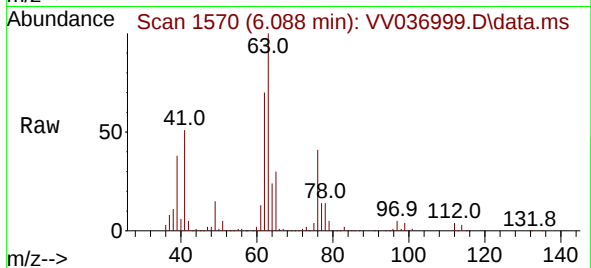




#37  
1,2-Dichloropropane  
Concen: 25.016 ug/L  
RT: 6.088 min Scan# 1570  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

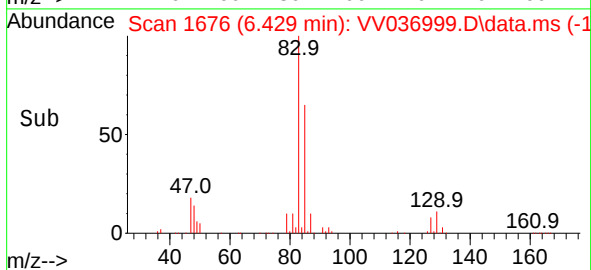
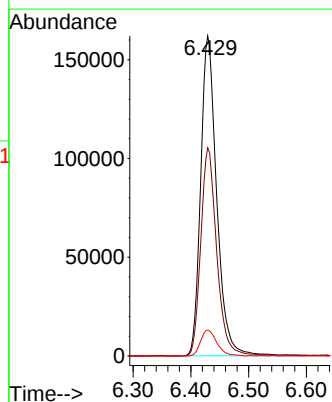
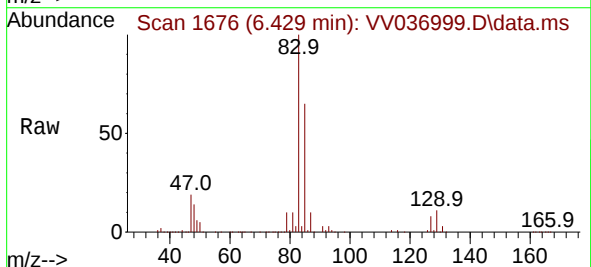
Instrument :  
MSVOA\_V  
ClientSampleId :

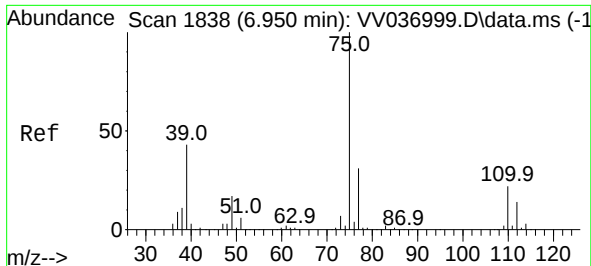
Tgt Ion: 63 Resp: 248212  
Ion Ratio Lower Upper  
63 100  
112 4.6 3.7 5.5



#38  
Bromodichloromethane  
Concen: 25.320 ug/L  
RT: 6.429 min Scan# 1676  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

Tgt Ion: 83 Resp: 312052  
Ion Ratio Lower Upper  
83 100  
85 65.1 45.6 84.6  
127 8.1 6.5 9.7





#39

cis-1,3-Dichloropropene

Concen: 26.028 ug/L

RT: 6.950 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

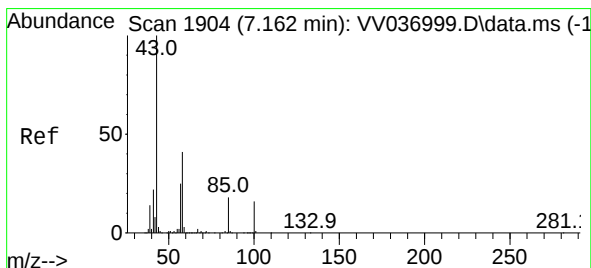
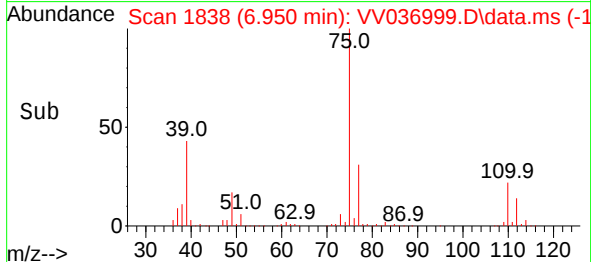
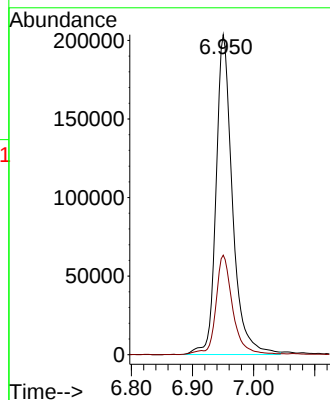
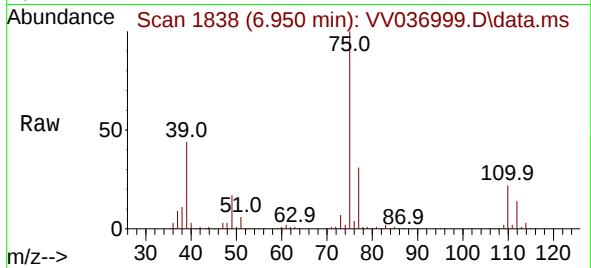
ClientSampleId :

Tgt Ion: 75 Resp: 379291

Ion Ratio Lower Upper

75 100

77 31.1 21.8 40.4



#40

4-Methyl-2-pentanone

Concen: 49.538 ug/L

RT: 7.162 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

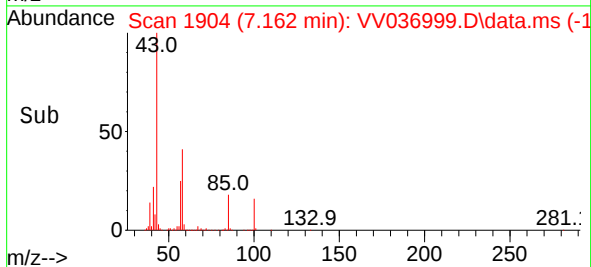
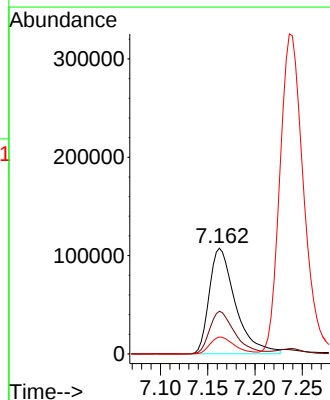
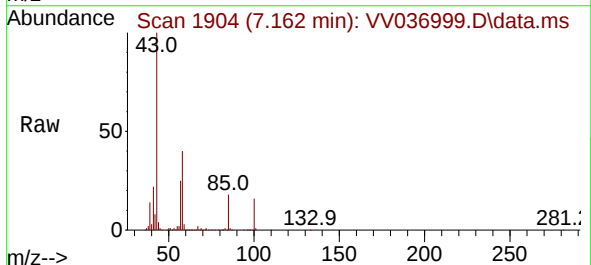
Tgt Ion: 43 Resp: 207031

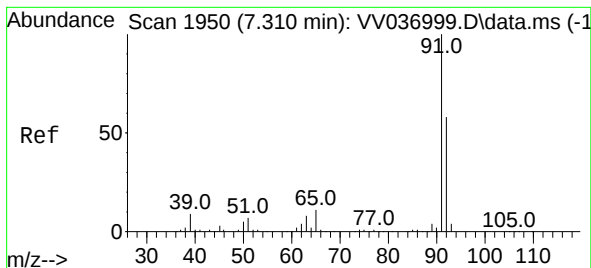
Ion Ratio Lower Upper

43 100

58 38.9 31.1 46.7

100 15.1 12.1 18.1





#42

Toluene

Concen: 25.768 ug/L

RT: 7.310 min Scan# 1950

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

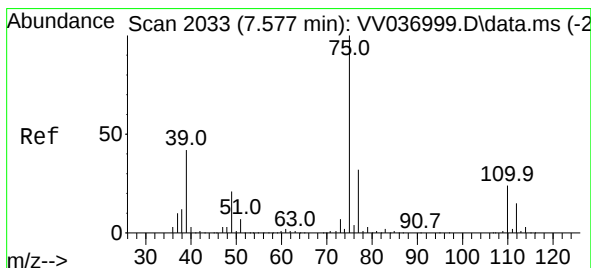
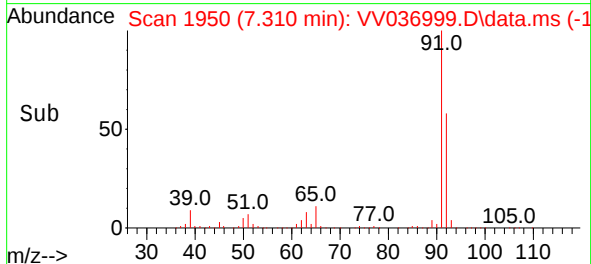
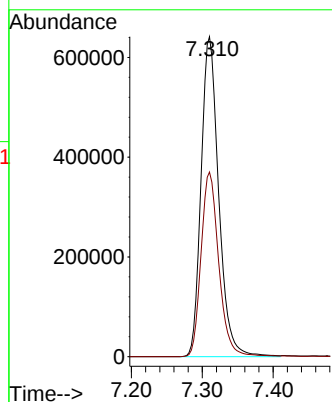
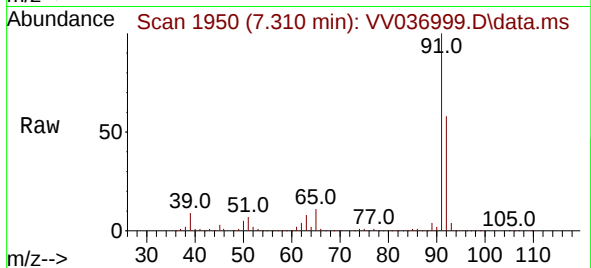
ClientSampleId :

Tgt Ion: 91 Resp: 1108763

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 25.542 ug/L

RT: 7.577 min Scan# 2033

Delta R.T. 0.000 min

Lab File: VV036999.D

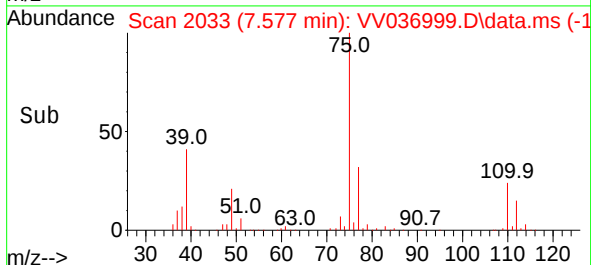
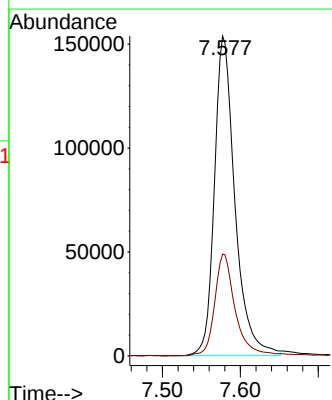
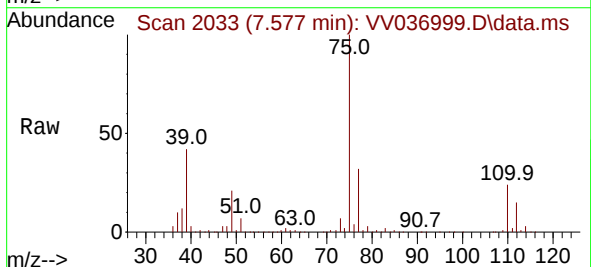
Acq: 22 Aug 2024 09:37

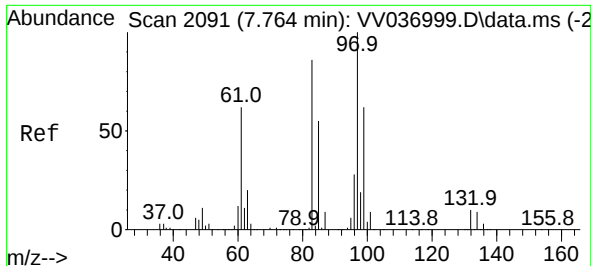
Tgt Ion: 75 Resp: 281577

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5

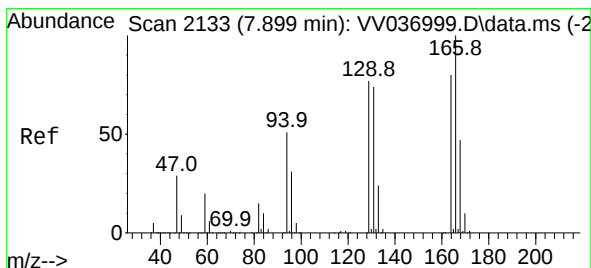
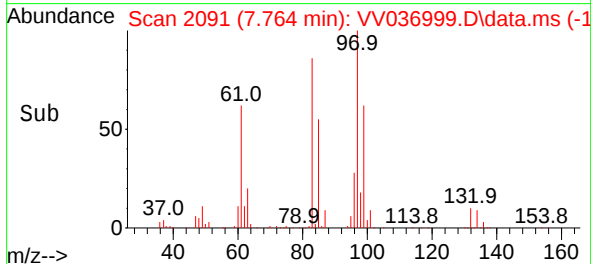
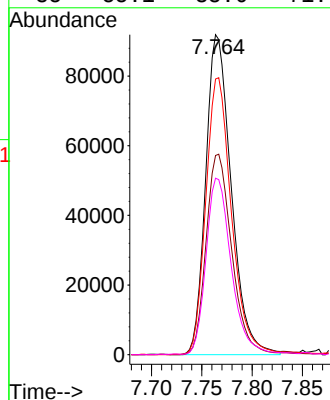
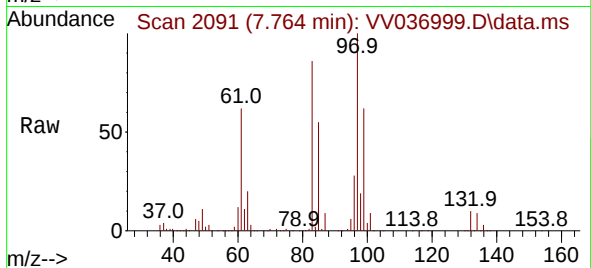




#45  
1,1,2-Trichloroethane  
Concen: 24.978 ug/L  
RT: 7.764 min Scan# 2091  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

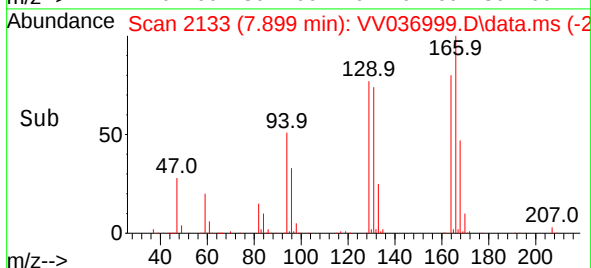
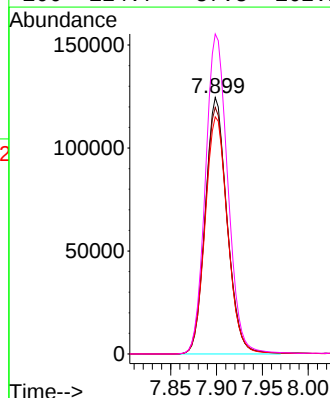
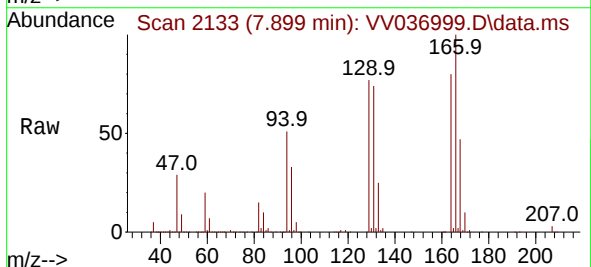
Instrument :  
MSVOA\_V  
ClientSampleId :

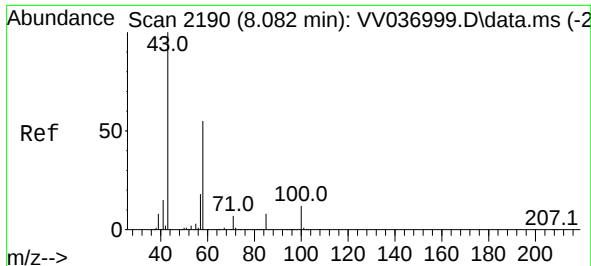
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 97    | Resp: | 162640 |
| Ion      | Ratio | Lower | Upper  |
| 97       | 100   |       |        |
| 99       | 62.2  | 43.5  | 80.9   |
| 83       | 86.1  | 60.3  | 111.9  |
| 85       | 55.1  | 38.6  | 71.6   |



#46  
Tetrachloroethene  
Concen: 25.025 ug/L  
RT: 7.899 min Scan# 2133  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 205145 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 96.1  | 67.3  | 124.9  |
| 131      | 92.5  | 64.8  | 120.3  |
| 166      | 124.7 | 87.3  | 162.1  |

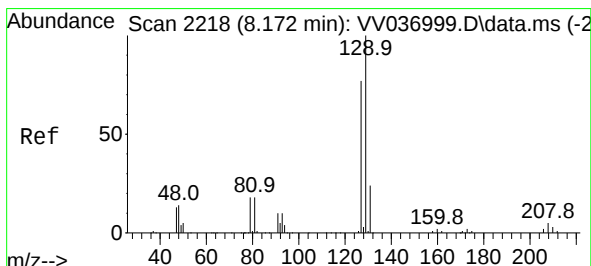
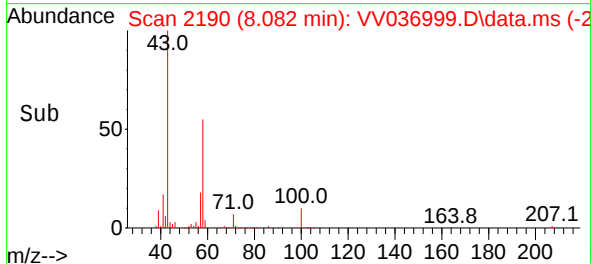
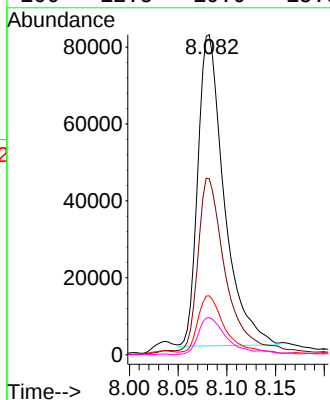
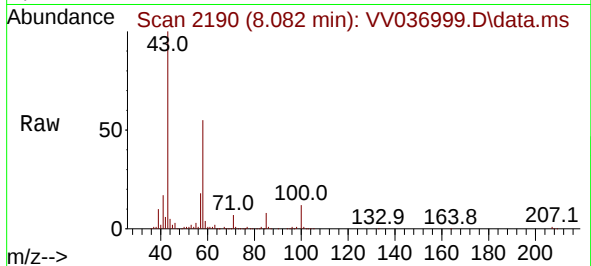




#48  
2-Hexanone  
Concen: 52.260 ug/L  
RT: 8.082 min Scan# 2190  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

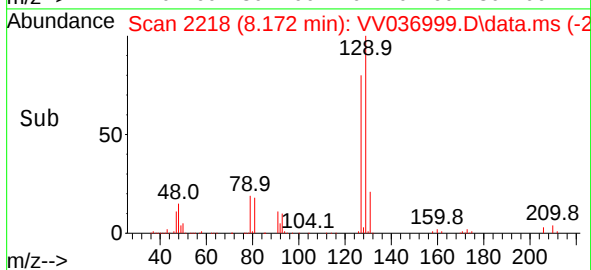
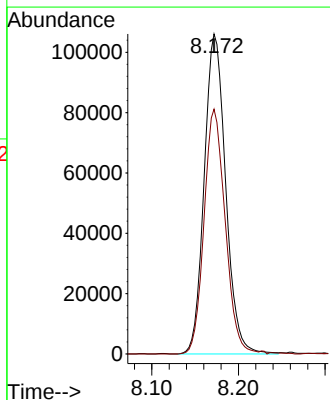
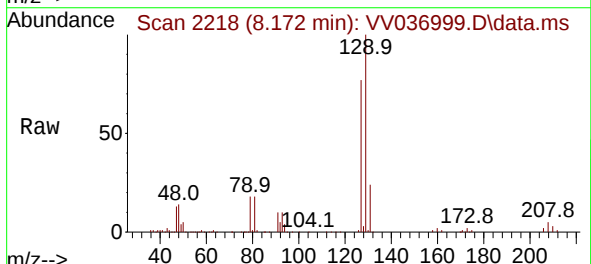
Instrument :  
MSVOA\_V  
ClientSampleId :

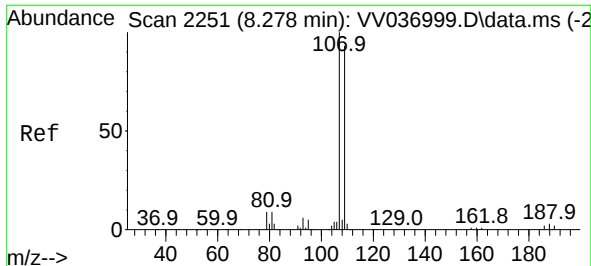
Tgt Ion: 43 Resp: 152036  
Ion Ratio Lower Upper  
43 100  
58 59.9 47.9 71.9  
57 18.9 15.1 22.7  
100 12.5 10.0 15.0



#49  
Dibromochloromethane  
Concen: 25.507 ug/L  
RT: 8.172 min Scan# 2218  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

Tgt Ion: 129 Resp: 182725  
Ion Ratio Lower Upper  
129 100  
127 76.5 53.5 99.5

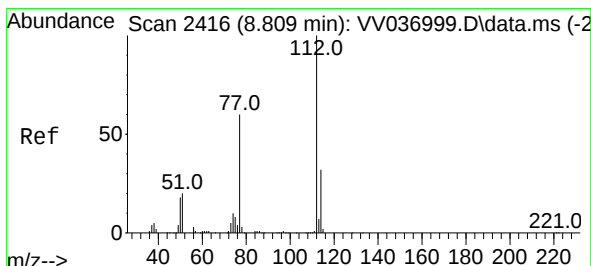
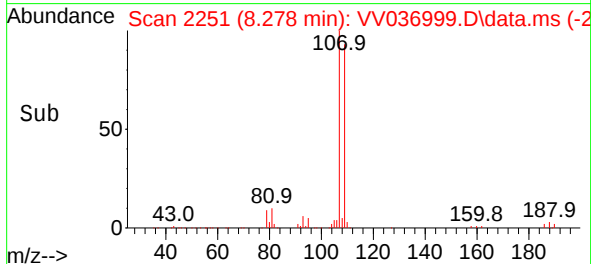
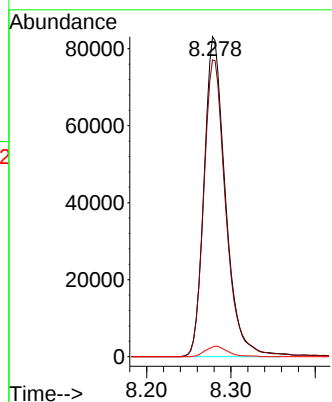
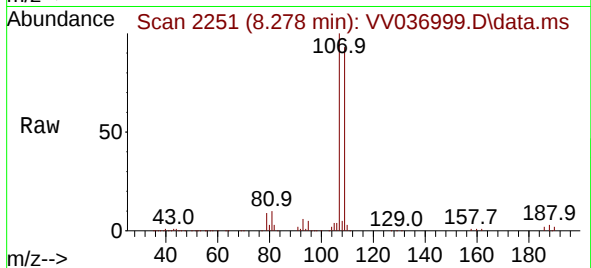




#50  
1,2-Dibromoethane  
Concen: 24.983 ug/L  
RT: 8.278 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

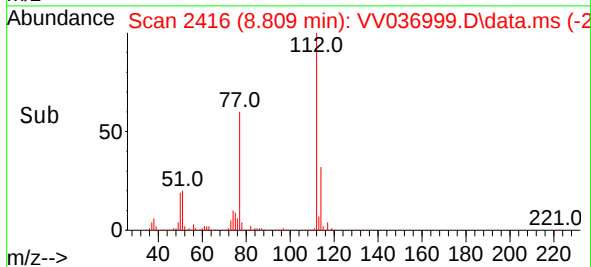
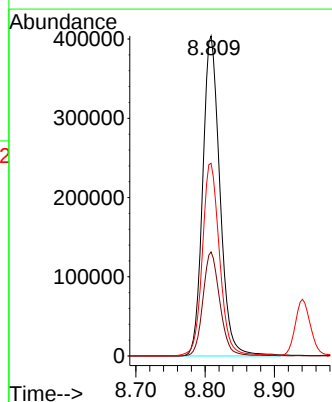
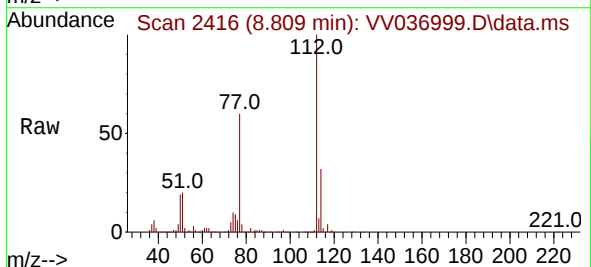
Instrument :  
MSVOA\_V  
ClientSampleId :

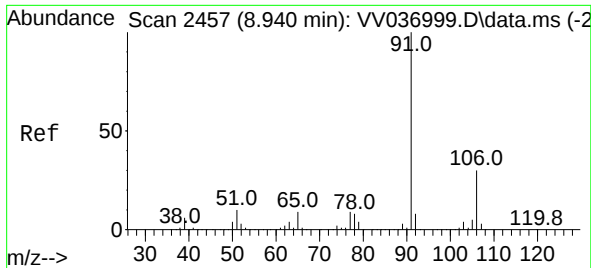
Tgt Ion:107 Resp: 146808  
Ion Ratio Lower Upper  
107 100  
109 92.7 64.9 120.5  
188 3.0 2.4 3.6



#51  
Chlorobenzene  
Concen: 25.327 ug/L  
RT: 8.809 min Scan# 2416  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

Tgt Ion:112 Resp: 695951  
Ion Ratio Lower Upper  
112 100  
114 32.5 22.7 42.3  
77 60.2 48.2 72.2

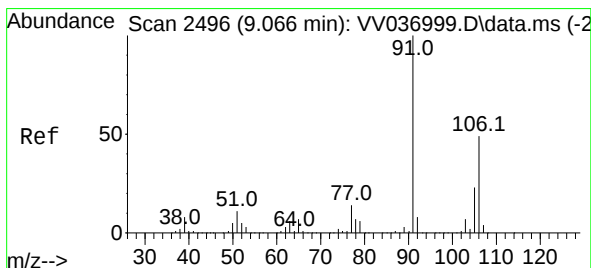
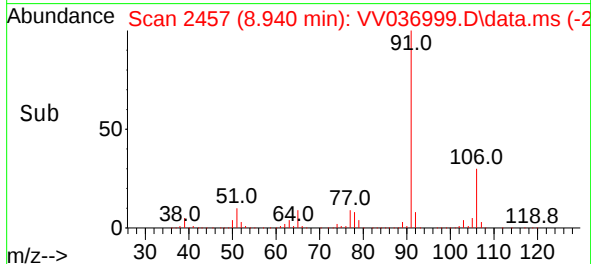
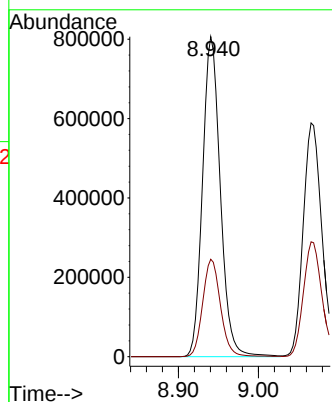
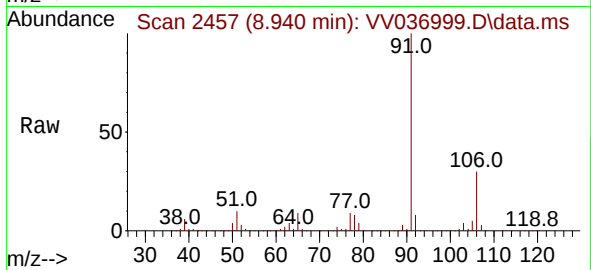




#52  
Ethylbenzene  
Concen: 25.767 ug/L  
RT: 8.940 min Scan# 2457  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

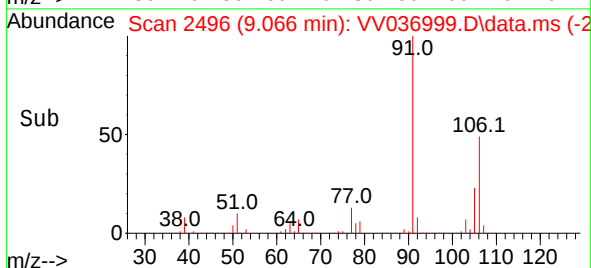
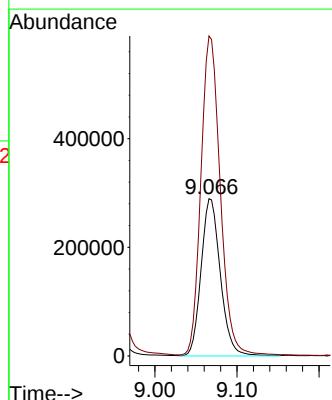
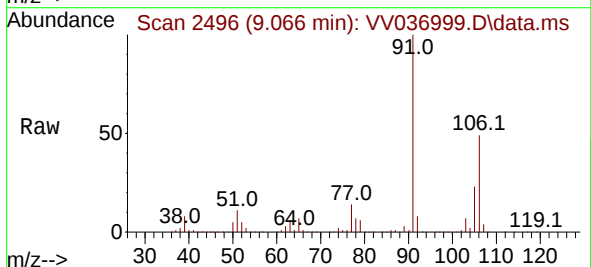
Instrument :  
MSVOA\_V  
ClientSampleId :

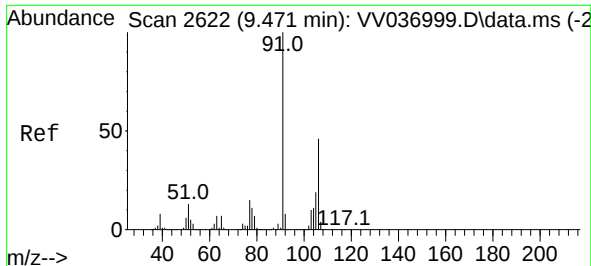
Tgt Ion: 91 Resp: 1250190  
Ion Ratio Lower Upper  
91 100  
106 30.4 21.3 39.5



#53  
m,p-Xylene  
Concen: 26.152 ug/L  
RT: 9.066 min Scan# 2496  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

Tgt Ion: 106 Resp: 471438  
Ion Ratio Lower Upper  
106 100  
91 203.4 142.4 264.4

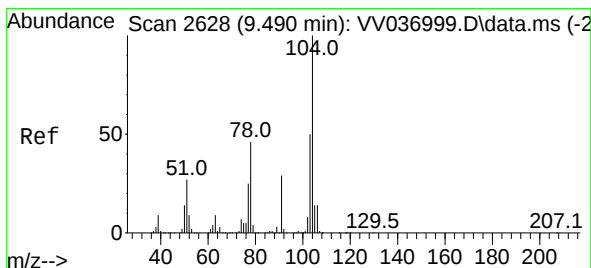
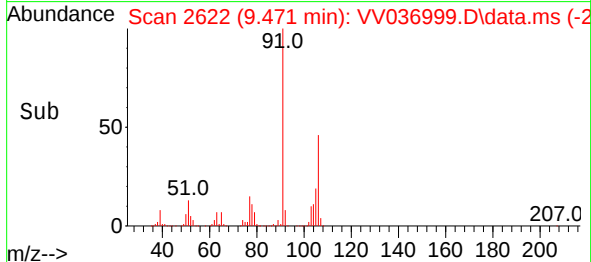
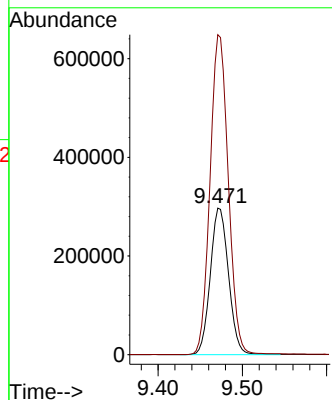
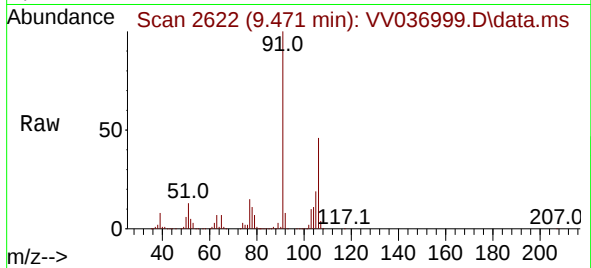




#54  
o-Xylene  
Concen: 25.938 ug/L  
RT: 9.471 min Scan# 2622  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

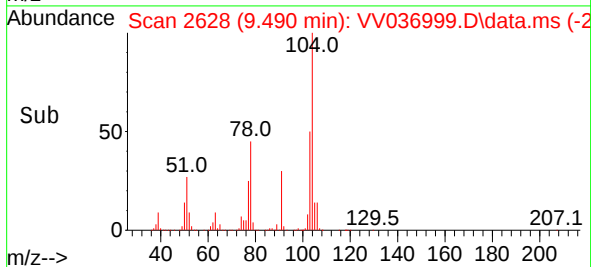
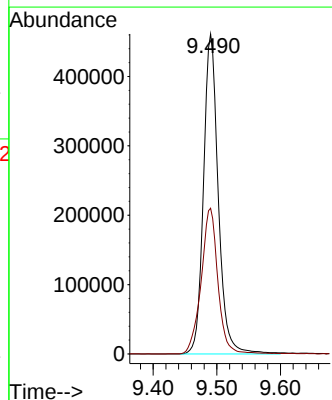
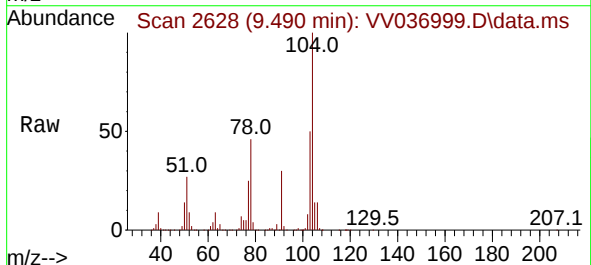
Instrument :  
MSVOA\_V  
ClientSampleId :

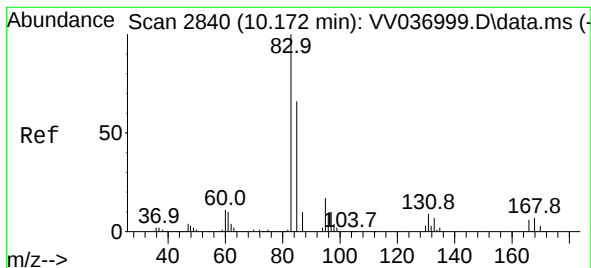
Tgt Ion:106 Resp: 446660  
Ion Ratio Lower Upper  
106 100  
91 218.3 152.8 283.8



#55  
Styrene  
Concen: 26.124 ug/L  
RT: 9.490 min Scan# 2628  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

Tgt Ion:104 Resp: 742478  
Ion Ratio Lower Upper  
104 100  
78 45.5 31.9 59.2

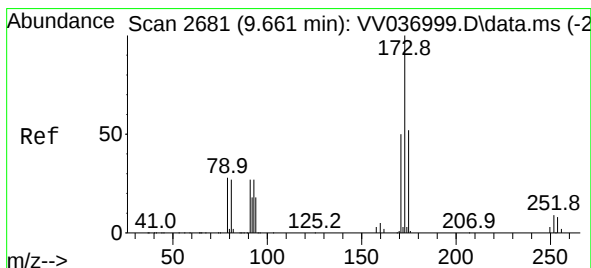
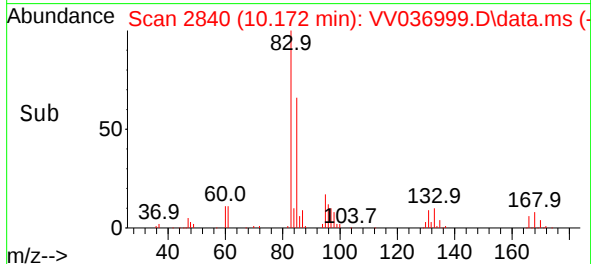
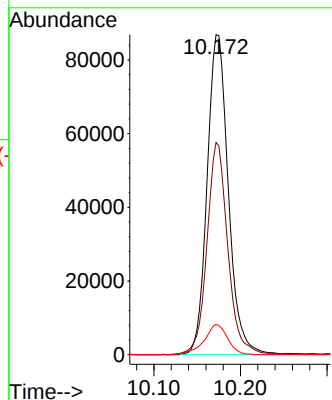
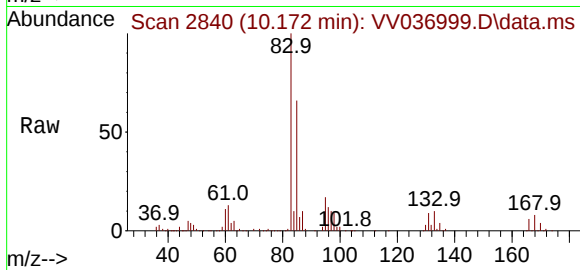




#57  
1,1,2,2-Tetrachloroethane  
Concen: 24.519 ug/L  
RT: 10.172 min Scan# 2840  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

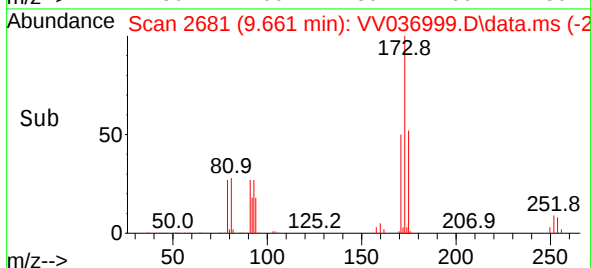
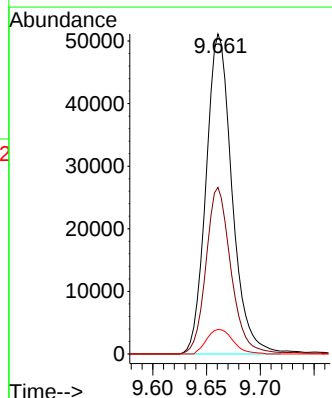
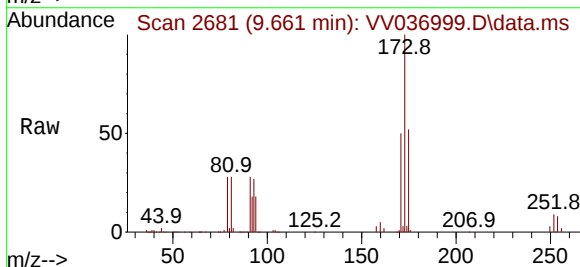
Instrument :  
MSVOA\_V  
ClientSampleId :

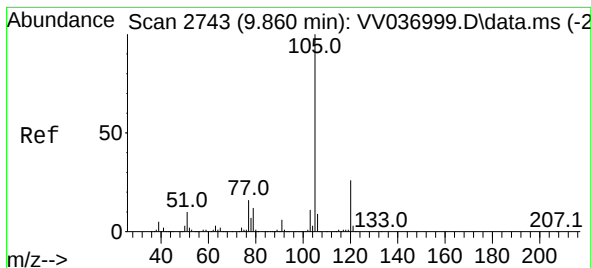
Tgt Ion: 83 Resp: 147805  
Ion Ratio Lower Upper  
83 100  
85 66.3 46.4 86.2  
131 9.5 7.6 11.4



#59  
Bromoform  
Concen: 25.260 ug/L  
RT: 9.661 min Scan# 2681  
Delta R.T. 0.000 min  
Lab File: VV036999.D  
Acq: 22 Aug 2024 09:37

Tgt Ion: 173 Resp: 85965  
Ion Ratio Lower Upper  
173 100  
175 50.1 40.1 60.1  
254 7.8 6.2 9.4





#60

Isopropylbenzene

Concen: 26.176 ug/L

RT: 9.860 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

ClientSampleId :

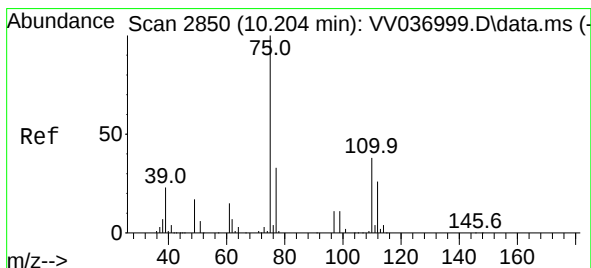
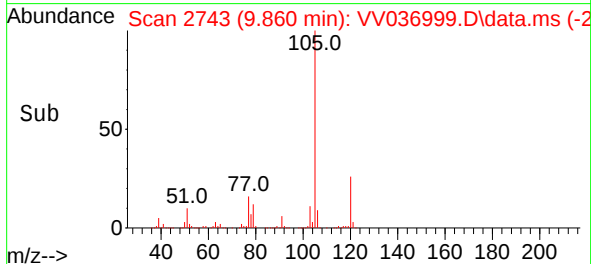
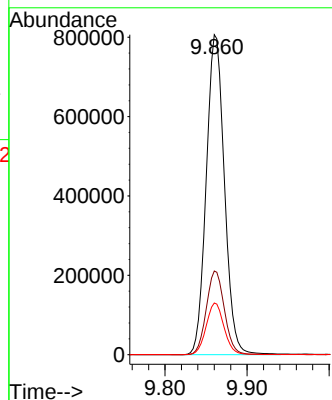
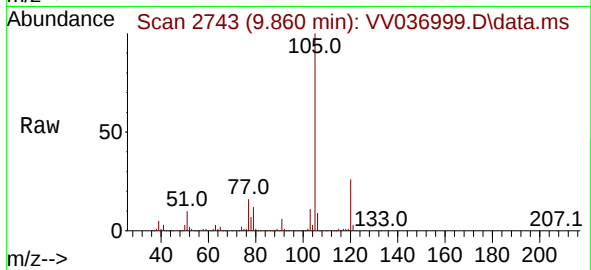
Tgt Ion:105 Resp: 1240261

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

77 15.8 12.6 19.0



#61

1,2,3-Trichloropropane

Concen: 24.622 ug/L

RT: 10.204 min Scan# 2850

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

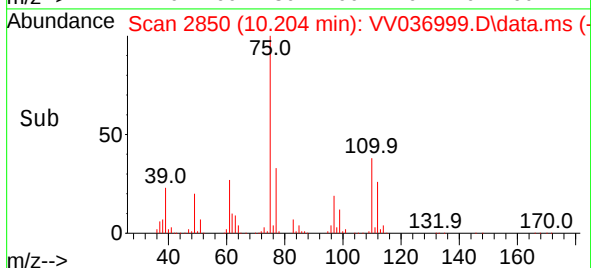
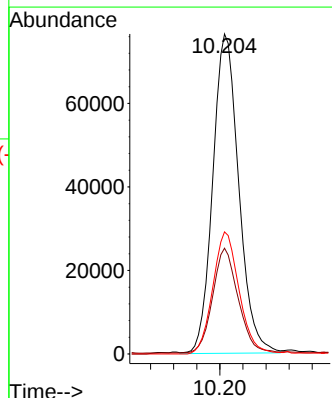
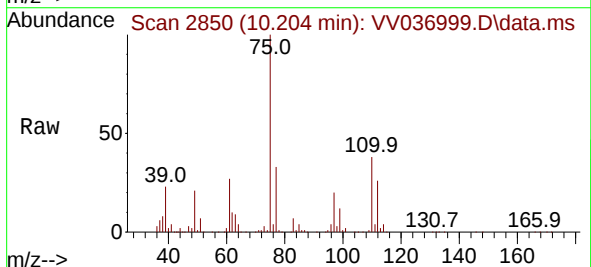
Tgt Ion: 75 Resp: 119315

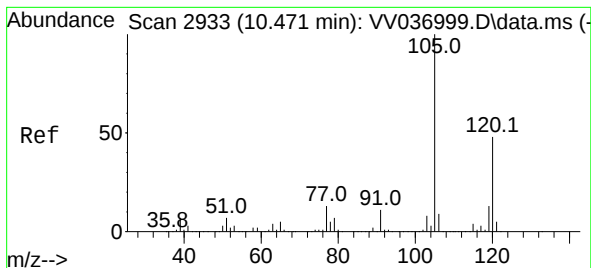
Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

110 38.7 31.0 46.4





#62

1,3,5-Trimethylbenzene

Concen: 26.072 ug/L

RT: 10.471 min Scan# 2933

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

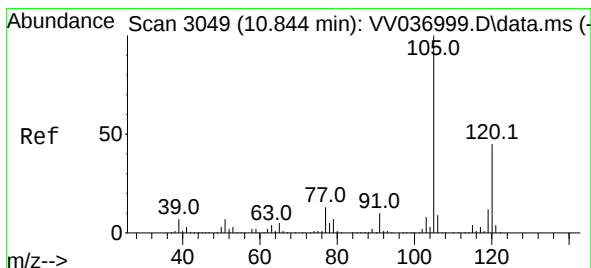
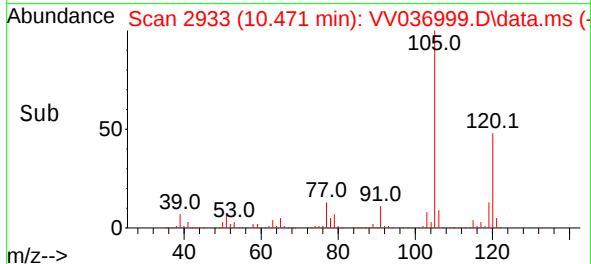
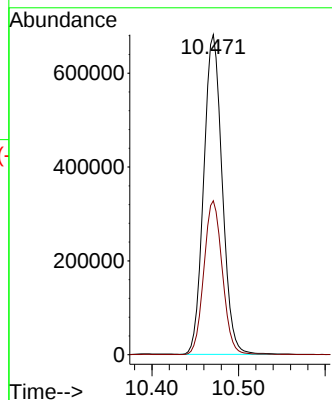
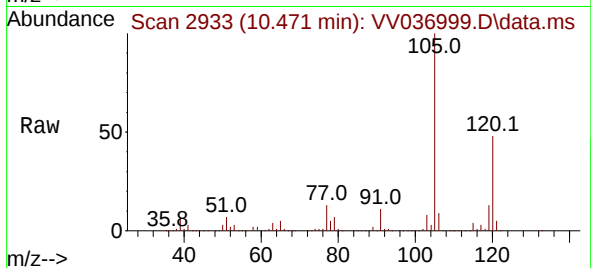
ClientSampleId :

Tgt Ion:105 Resp: 1011379

Ion Ratio Lower Upper

105 100

120 48.0 38.4 57.6



#63

1,2,4-Trimethylbenzene

Concen: 26.286 ug/L

RT: 10.844 min Scan# 3049

Delta R.T. 0.000 min

Lab File: VV036999.D

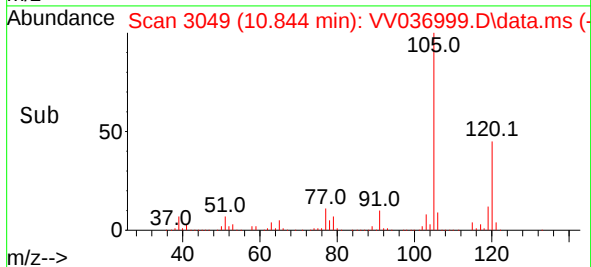
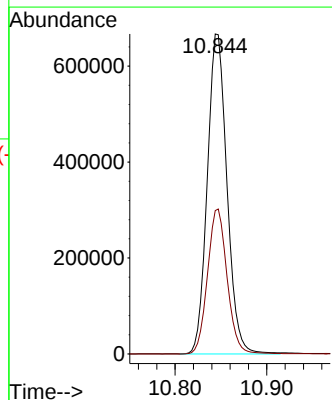
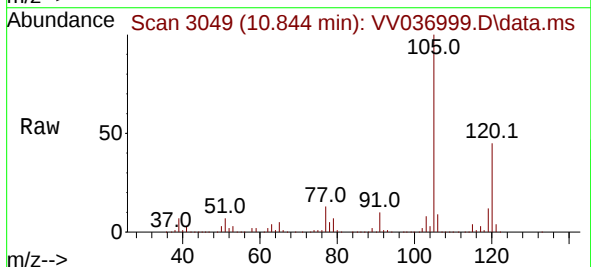
Acq: 22 Aug 2024 09:37

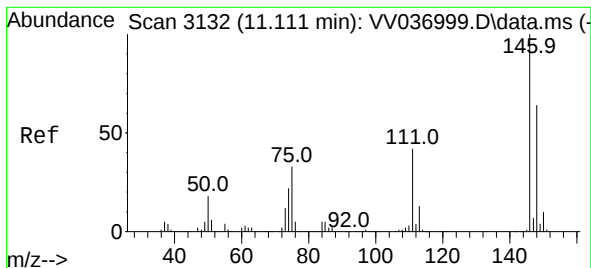
Tgt Ion:105 Resp: 993878

Ion Ratio Lower Upper

105 100

120 45.2 36.2 54.2





#64

1,3-Dichlorobenzene

Concen: 25.417 ug/L

RT: 11.111 min Scan# 3132

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

ClientSampleId :

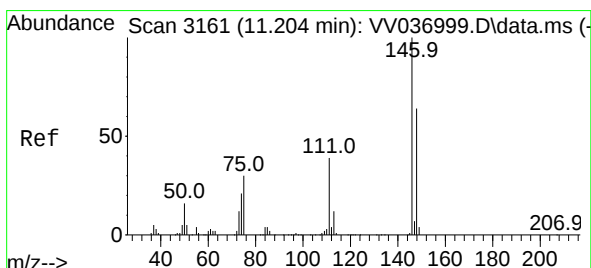
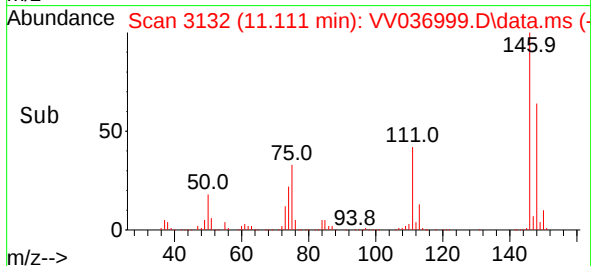
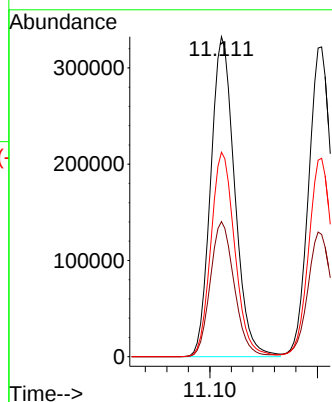
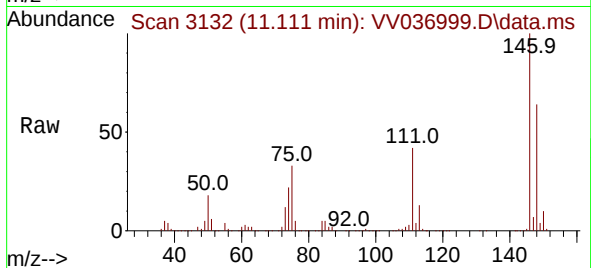
Tgt Ion:146 Resp: 514664

Ion Ratio Lower Upper

146 100

111 42.2 29.5 54.9

148 63.9 44.7 83.1



#65

1,4-Dichlorobenzene

Concen: 25.276 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

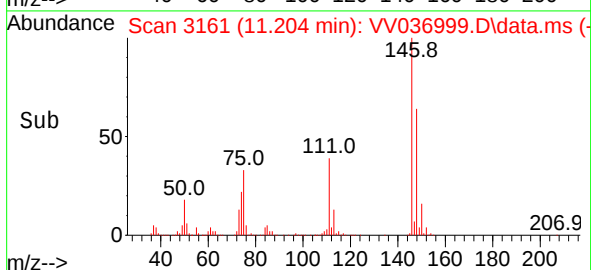
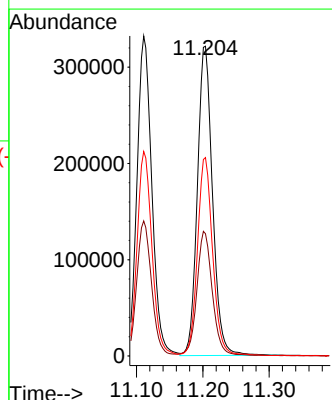
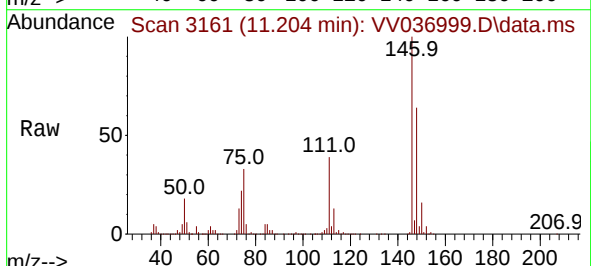
Tgt Ion:146 Resp: 511225

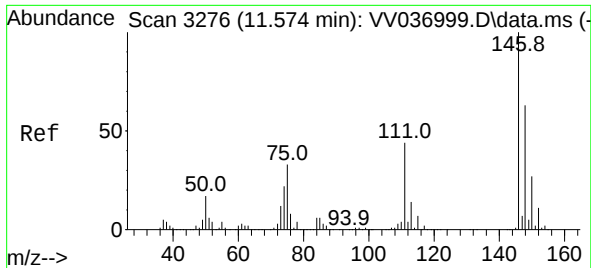
Ion Ratio Lower Upper

146 100

111 39.5 27.6 51.4

148 64.1 44.9 83.3





#67

1,2-Dichlorobenzene

Concen: 25.169 ug/L

RT: 11.574 min Scan# 3276

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

ClientSampleId :

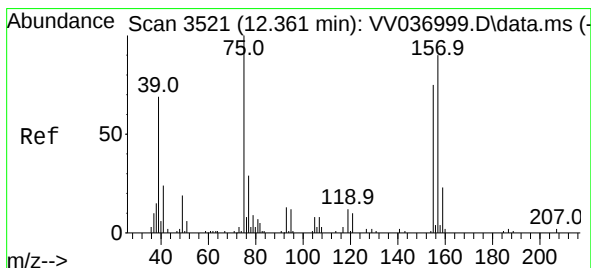
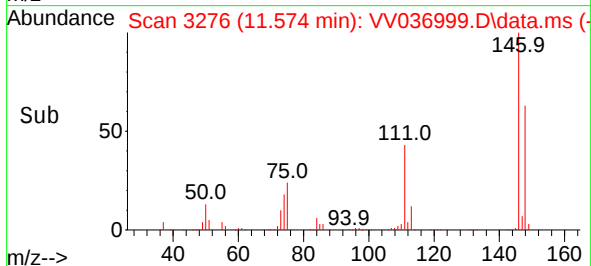
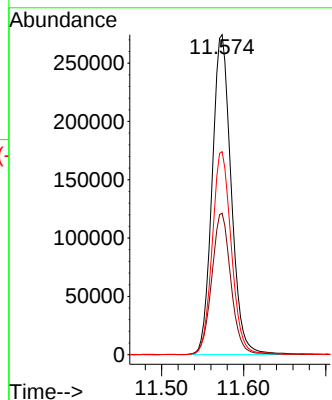
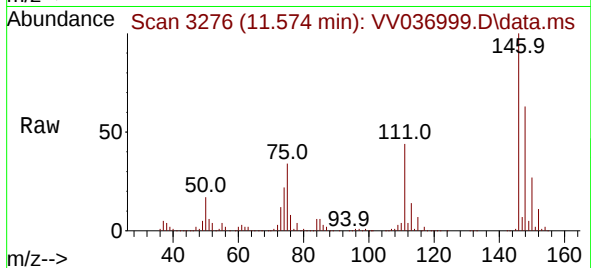
Tgt Ion:146 Resp: 441564

Ion Ratio Lower Upper

146 100

111 44.2 35.4 53.0

148 63.5 50.8 76.2



#68

1,2-Dibromo-3-chloropropane

Concen: 25.171 ug/L

RT: 12.361 min Scan# 3521

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

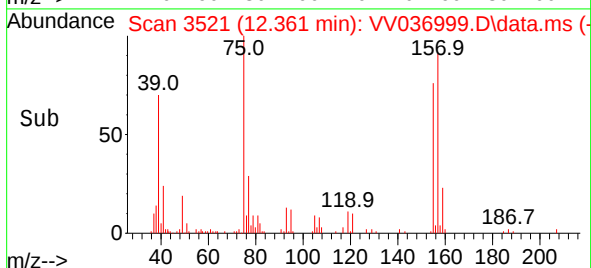
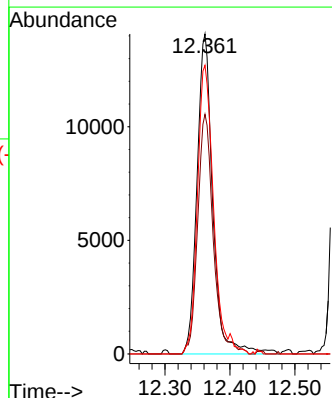
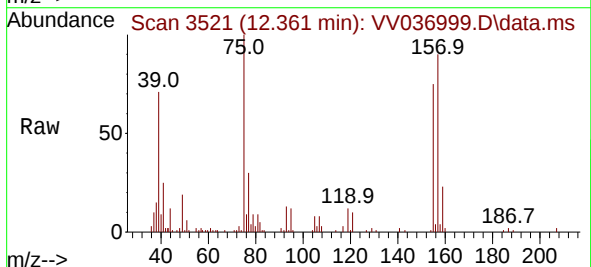
Tgt Ion: 75 Resp: 23874

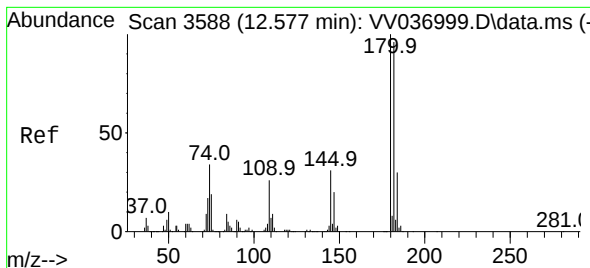
Ion Ratio Lower Upper

75 100

155 74.9 59.9 89.9

157 90.2 72.2 108.2





#69

1,3,5-Trichlorobenzene

Concen: 25.388 ug/L

RT: 12.577 min Scan# 3588

Delta R.T. 0.000 min

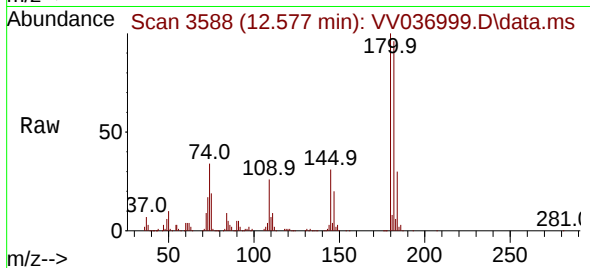
Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 358261

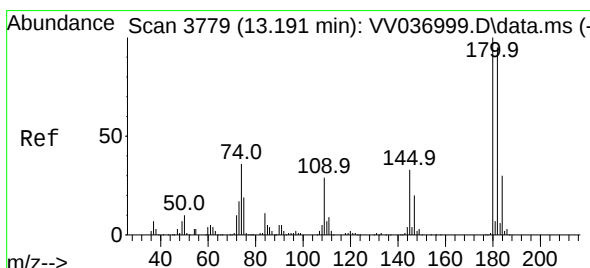
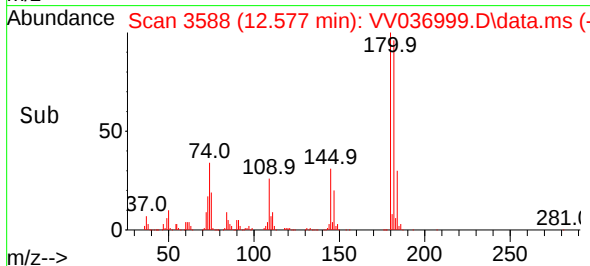
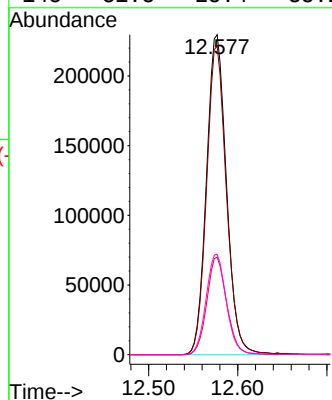
Ion Ratio Lower Upper

180 100

182 95.5 76.4 114.6

184 30.3 24.2 36.4

145 31.8 25.4 38.2



#70

1,2,4-trichlorobenzene

Concen: 24.829 ug/L

RT: 13.191 min Scan# 3779

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

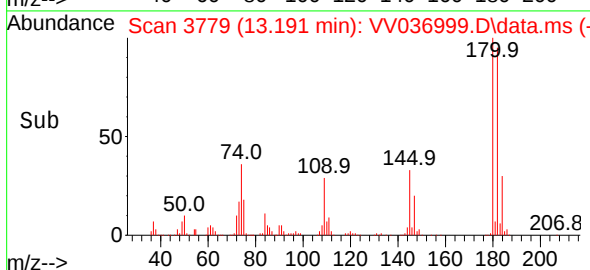
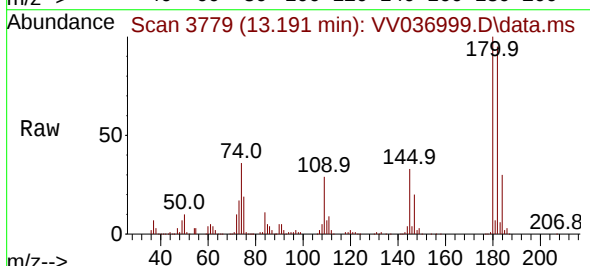
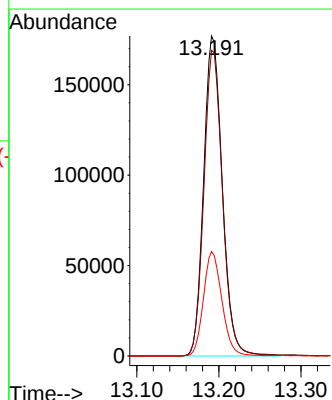
Tgt Ion:180 Resp: 280388

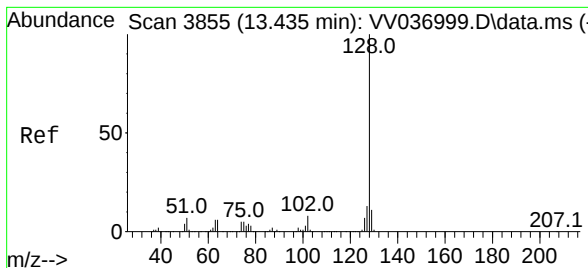
Ion Ratio Lower Upper

180 100

182 95.0 76.0 114.0

145 32.2 25.8 38.6





#71

Naphthalene

Concen: 23.819 ug/L

RT: 13.435 min Scan# 3855

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Instrument :

MSVOA\_V

ClientSampleId :

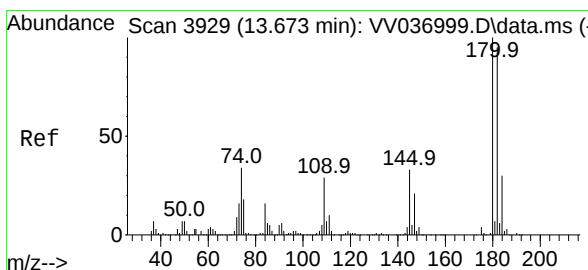
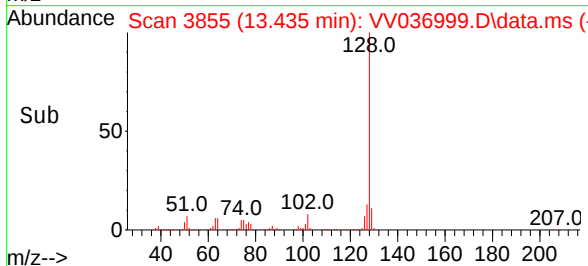
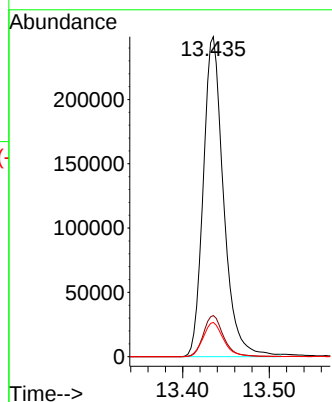
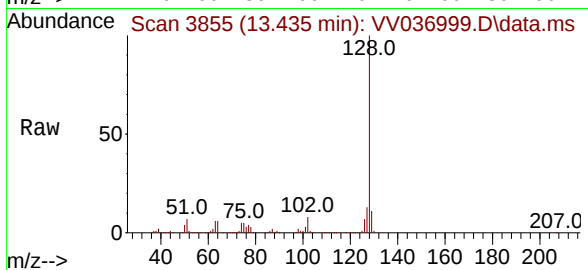
Tgt Ion:128 Resp: 405199

Ion Ratio Lower Upper

128 100

127 12.8 10.2 15.4

129 10.8 8.6 13.0



#72

1,2,3-Trichlorobenzene

Concen: 24.826 ug/L

RT: 13.673 min Scan# 3929

Delta R.T. 0.000 min

Lab File: VV036999.D

Acq: 22 Aug 2024 09:37

Tgt Ion:180 Resp: 232124

Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

145 33.3 26.6 40.0

