

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV111924\  
 Data File : VV038167.D  
 Acq On : 19 Nov 2024 09:16  
 Operator : SY/MD  
 Sample : VSTD0.5  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Nov 19 21:35:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR111924WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 19 21:34:01 2024  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Difluorobenzene        | 5.526  | 114  | 296355   | 5.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.776  | 117  | 315950   | 5.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.178 | 152  | 151088   | 5.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) Vinyl Chloride-d3          | 1.275  | 65   | 14798    | 0.651 | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.529  | 69   | 12159    | 0.662 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.053  | 65   | 6700     | 0.685 | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.867  | 46   | 7656     | 1.767 | ug/L   | 0.07     |
| 24) Chloroform-d              | 4.246  | 84   | 26343    | 0.598 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 4.950  | 65   | 10501    | 0.527 | ug/L   | 0.01     |
| 32) Benzene-d6                | 4.960  | 84   | 41389    | 0.507 | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 5.985  | 67   | 15782    | 0.630 | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.243  | 98   | 34732    | 0.460 | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.574  | 79   | 3769     | 0.413 | ug/L   | 0.02     |
| 46) 2-Hexanone-d5             | 8.043  | 63   | 10914    | 3.149 | ug/L   | 0.02     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.149 | 84   | 10835    | 0.508 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.558 | 152  | 13613    | 0.529 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       |        | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.105  | 85   | 13475    | 0.481 | ug/L   | 97       |
| 3) Chloromethane              | 1.211  | 50   | 11818    | 0.489 | ug/L   | 98       |
| 5) Vinyl chloride             | 1.278  | 62   | 12316    | 0.450 | ug/L # | 64       |
| 6) Bromomethane               | 1.484  | 94   | 4423     | 0.415 | ug/L   | 100      |
| 8) Chloroethane               | 1.545  | 64   | 9329     | 0.487 | ug/L # | 81       |
| 9) Trichlorofluoromethane     | 1.709  | 101  | 18278    | 0.469 | ug/L   | 100      |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.060  | 101  | 9559     | 0.430 | ug/L   | 92       |
| 12) 1,1-Dichloroethene        | 2.063  | 96   | 9958     | 0.470 | ug/L   | 91       |
| 13) Acetone                   | 2.137  | 43   | 17876    | 5.319 | ug/L   | 97       |
| 14) Carbon disulfide          | 2.236  | 76   | 31309    | 0.459 | ug/L   | 98       |
| 15) Methyl Acetate            | 2.394  | 43   | 3190     | 0.386 | ug/L # | 75       |
| 16) Methylene chloride        | 2.439  | 84   | 11774    | 0.488 | ug/L   | 94       |
| 17) Methyl tert-butyl Ether   | 2.699  | 73   | 18601    | 0.389 | ug/L   | 97       |
| 18) trans-1,2-Dichloroethene  | 2.690  | 96   | 9839     | 0.441 | ug/L   | 95       |
| 19) 1,1-Dichloroethane        | 3.108  | 63   | 17955    | 0.444 | ug/L   | 98       |
| 21) 2-Butanone                | 3.822  | 43   | 454      | 0.101 | ug/L   | 86       |
| 22) cis-1,2-Dichloroethene    | 3.818  | 96   | 8579     | 0.372 | ug/L   | 93       |
| 23) Bromochloromethane        | 4.156  | 128  | 4815     | 0.428 | ug/L   | 94       |
| 25) Chloroform                | 4.272  | 83   | 19638    | 0.453 | ug/L   | 99       |
| 27) 1,2-Dichloroethane        | 5.053  | 62   | 10152    | 0.431 | ug/L   | 95       |
| 29) 1,1,1-Trichloroethane     | 4.500  | 97   | 16372    | 0.432 | ug/L   | 97       |
| 30) Cyclohexane               | 4.568  | 56   | 10299    | 0.328 | ug/L   | 98       |
| 31) Carbon tetrachloride      | 4.722  | 117  | 14186    | 0.424 | ug/L   | 99       |
| 33) Benzene                   | 5.008  | 78   | 33237    | 0.375 | ug/L   | 100      |
| 34) Trichloroethene           | 5.838  | 95   | 9544     | 0.394 | ug/L   | 94       |
| 35) Methylcyclohexane         | 6.040  | 83   | 10788    | 0.315 | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.092  | 63   | 7748     | 0.349 | ug/L   | 100      |
| 38) Bromodichloromethane      | 6.432  | 83   | 13131    | 0.439 | ug/L # | 96       |
| 39) cis-1,3-Dichloropropene   | 6.966  | 75   | 9980     | 0.332 | ug/L   | 89       |
| 40) 4-Methyl-2-pentanone      | 7.162  | 43   | 31228    | 2.730 | ug/L # | 96       |
| 42) Toluene                   | 7.317  | 91   | 30507    | 0.325 | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 7.603  | 75   | 7576     | 0.293 | ug/L   | 86       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\DATA\VV111924\  
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 Sample : VSTD0.5  
 Misc : 25mL/MSVOA\_V/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

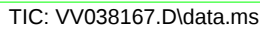
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Nov 19 21:34:01 2024  
 Response via : Initial Calibration

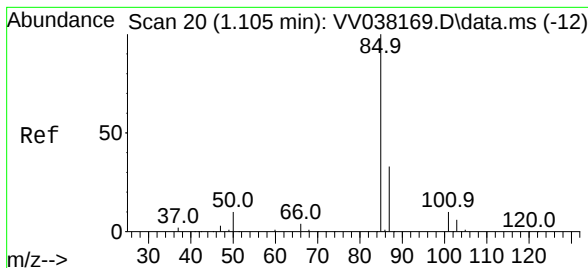
| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| -----                         |        |      |          |       |        |          |
| 45) 1,1,2-Trichloroethane     | 7.773  | 97   | 6903     | 0.383 | ug/L   | 93       |
| 47) Tetrachloroethene         | 7.902  | 164  | 7519     | 0.387 | ug/L   | 88       |
| 48) 2-Hexanone                | 8.091  | 43   | 19712    | 2.496 | ug/L # | 88       |
| 49) Dibromochloromethane      | 8.169  | 129  | 7563     | 0.385 | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.284  | 107  | 6310     | 0.378 | ug/L # | 86       |
| 51) Chlorobenzene             | 8.809  | 112  | 25522    | 0.394 | ug/L   | 95       |
| 52) Ethylbenzene              | 8.947  | 91   | 34433    | 0.345 | ug/L   | 97       |
| 53) m,p-Xylene                | 9.075  | 106  | 11632    | 0.309 | ug/L   | 92       |
| 54) o-Xylene                  | 9.474  | 106  | 11296    | 0.308 | ug/L   | 89       |
| 55) Styrene                   | 9.500  | 104  | 16841    | 0.264 | ug/L   | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.175 | 83   | 8319     | 0.395 | ug/L   | 87       |
| 59) Bromoform                 | 9.664  | 173  | 3505     | 0.399 | ug/L # | 97       |
| 60) Isopropylbenzene          | 9.863  | 105  | 28843    | 0.331 | ug/L   | 96       |
| 61) 1,2,3-Trichloropropane    | 10.214 | 75   | 5035     | 0.389 | ug/L # | 89       |
| 62) 1,3,5-Trimethylbenzene    | 10.471 | 105  | 22356    | 0.324 | ug/L   | 98       |
| 63) 1,2,4-Trimethylbenzene    | 10.850 | 105  | 22823    | 0.331 | ug/L   | 97       |
| 64) 1,3-Dichlorobenzene       | 11.117 | 146  | 17989    | 0.385 | ug/L   | 96       |
| 65) 1,4-Dichlorobenzene       | 11.204 | 146  | 19115    | 0.405 | ug/L   | 96       |
| 67) 1,2-Dichlorobenzene       | 11.577 | 146  | 15832    | 0.366 | ug/L   | 96       |
| 68) 1,2-Dibromo-3-chloropr... | 12.371 | 75   | 1080     | 0.372 | ug/L   | 95       |
| 69) 1,3,5-Trichlorobenzene    | 12.580 | 180  | 11376    | 0.344 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.201 | 180  | 7318     | 0.267 | ug/L   | 84       |
| 71) Naphthalene               | 13.451 | 128  | 9219     | 0.217 | ug/L # | 91       |
| 72) 1,2,3-Trichlorobenzene    | 13.676 | 180  | 6761     | 0.267 | ug/L   | 96       |
| -----                         |        |      |          |       |        |          |

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

**Instrument :**  
MSVOA\_V  
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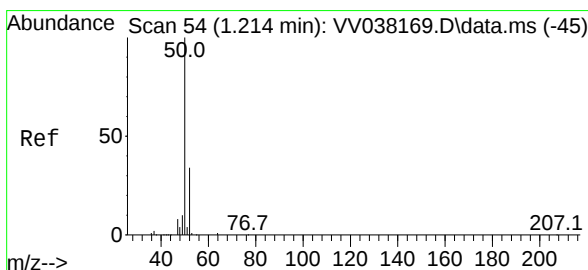
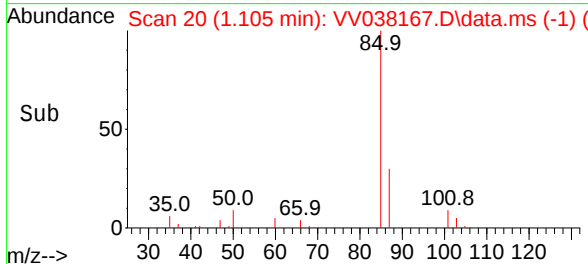
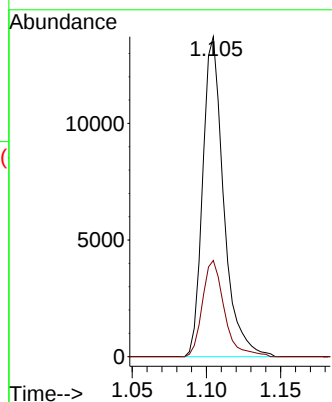
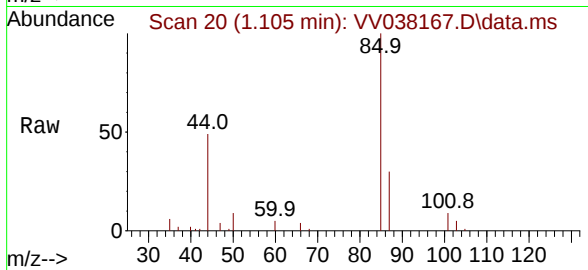




#2  
Dichlorodifluoromethane  
Concen: 0.481 ug/L  
RT: 1.105 min Scan# 20  
Delta R.T. 0.000 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

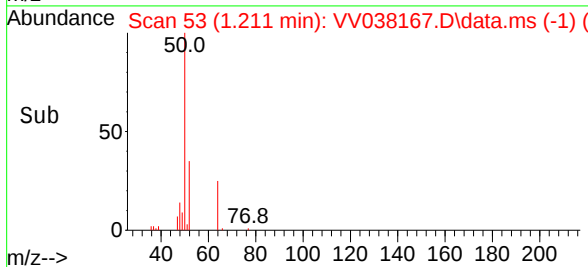
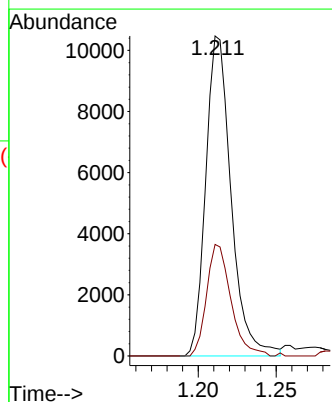
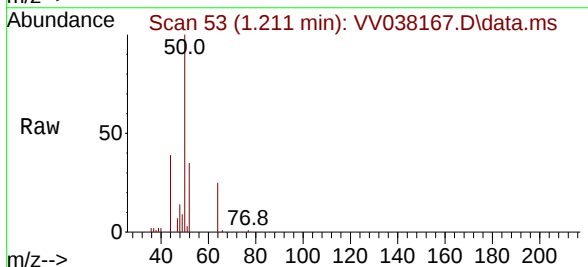
Instrument :  
MSVOA\_V  
ClientSampleId :

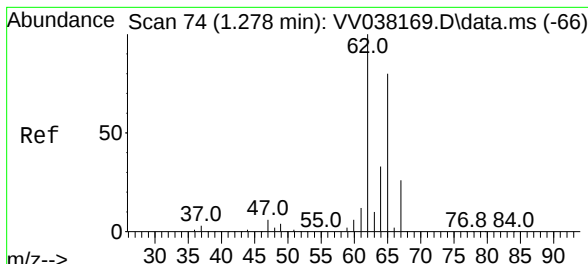
Tgt Ion: 85 Resp: 13475  
Ion Ratio Lower Upper  
85 100  
87 31.4 26.5 39.7



#3  
Chloromethane  
Concen: 0.489 ug/L  
RT: 1.211 min Scan# 53  
Delta R.T. -0.003 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

Tgt Ion: 50 Resp: 11818  
Ion Ratio Lower Upper  
50 100  
52 34.9 23.5 43.7

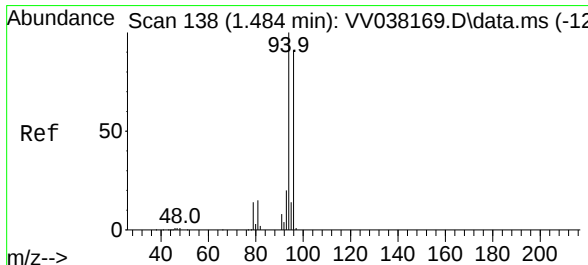
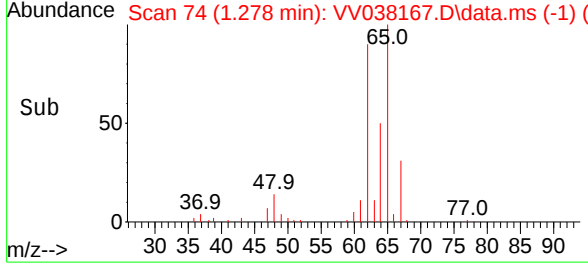
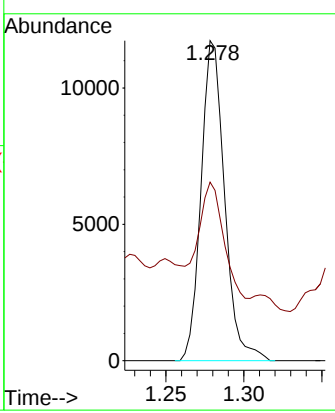
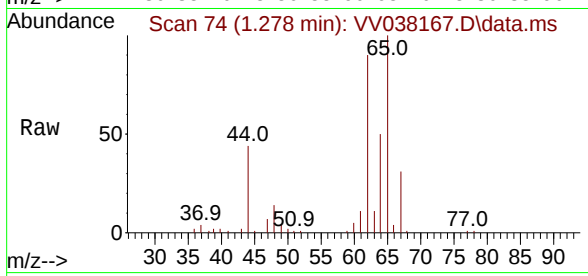




#5  
 Vinyl chloride  
 Concen: 0.450 ug/L  
 RT: 1.278 min Scan# 74  
 Delta R.T. 0.000 min  
 Lab File: VV038167.D  
 Acq: 19 Nov 2024 09:16

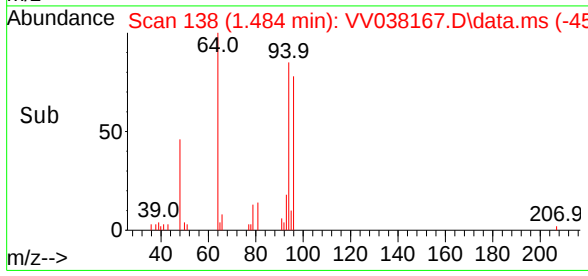
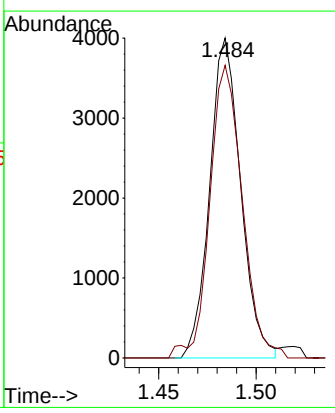
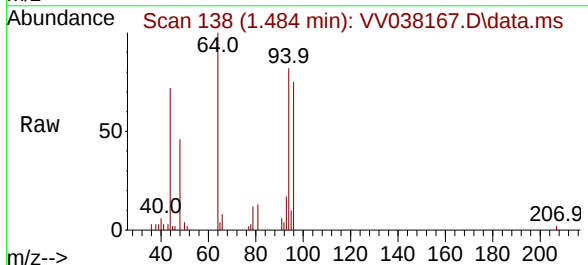
Instrument :  
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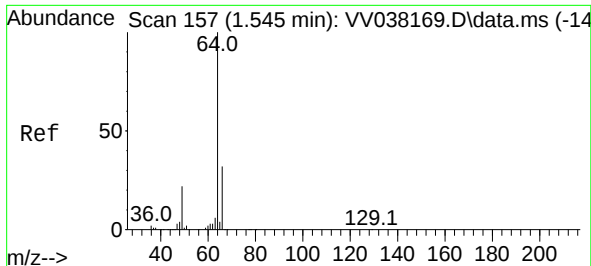
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 62    | Resp: | 12316 |
| Ion Ratio | Lower | Upper |       |
| 62        | 100   |       |       |
| 64        | 55.8  | 24.4  | 45.4# |



#6  
 Bromomethane  
 Concen: 0.415 ug/L  
 RT: 1.484 min Scan# 138  
 Delta R.T. 0.000 min  
 Lab File: VV038167.D  
 Acq: 19 Nov 2024 09:16

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 94    | Resp: | 4423  |
| Ion Ratio | Lower | Upper |       |
| 94        | 100   |       |       |
| 96        | 91.5  | 63.7  | 118.3 |

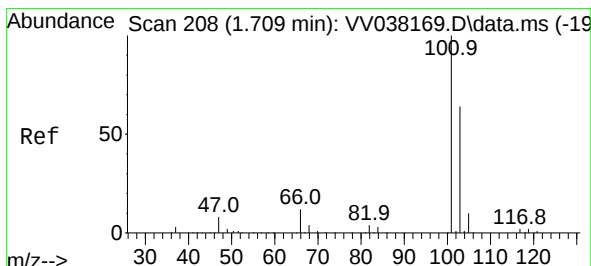
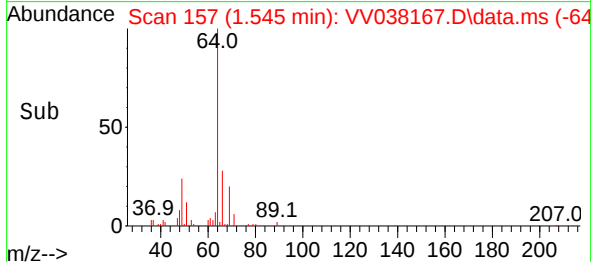
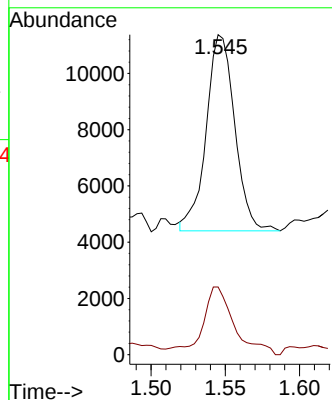
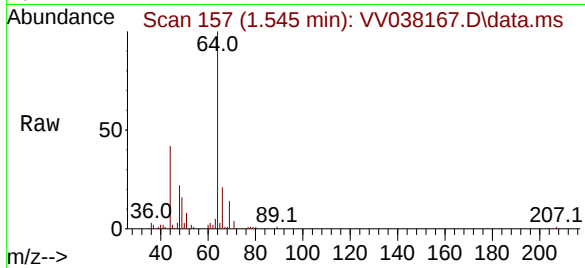




#8  
Chloroethane  
Concen: 0.487 ug/L  
RT: 1.545 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

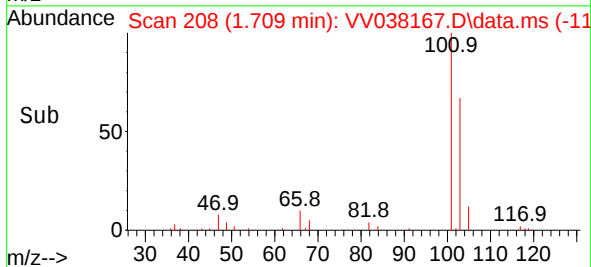
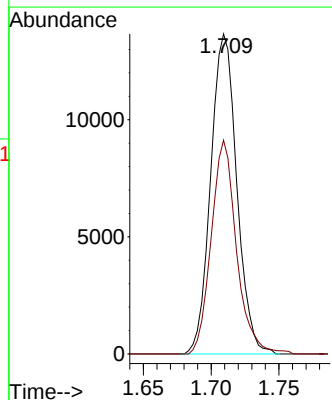
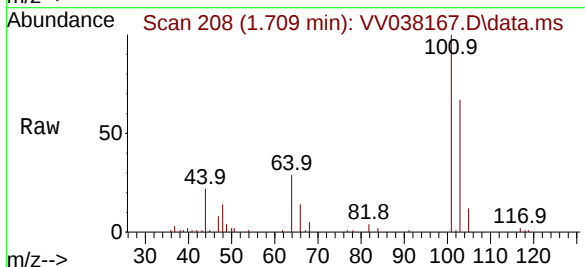
Instrument :  
MSVOA\_V  
ClientSampleId :

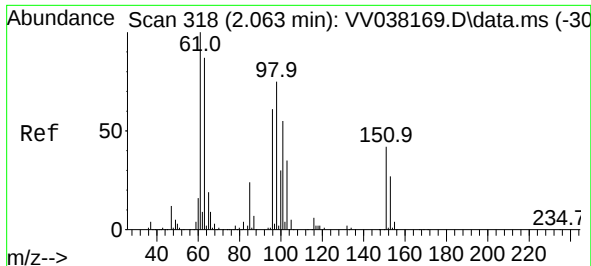
Tgt Ion: 64 Resp: 9329  
Ion Ratio Lower Upper  
64 100  
66 21.2 22.0 40.8#



#9  
Trichlorofluoromethane  
Concen: 0.469 ug/L  
RT: 1.709 min Scan# 208  
Delta R.T. 0.000 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

Tgt Ion:101 Resp: 18278  
Ion Ratio Lower Upper  
101 100  
103 64.8 51.5 77.3

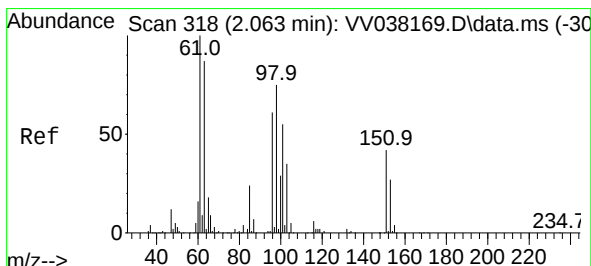
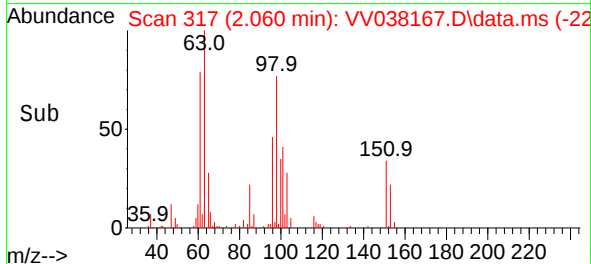
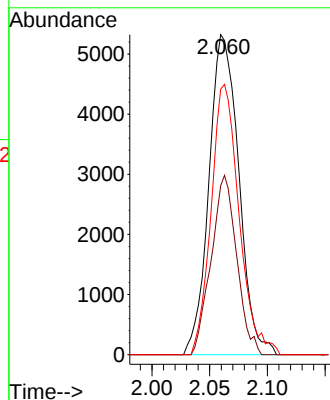
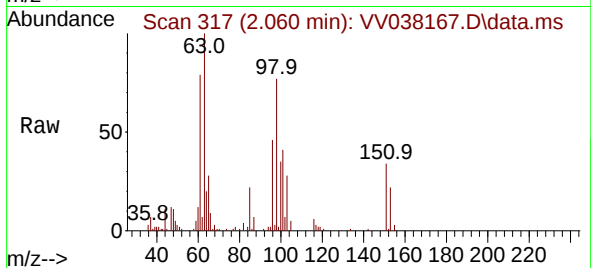




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 0.430 ug/L  
 RT: 2.060 min Scan# 317  
 Delta R.T. -0.003 min  
 Lab File: VV038167.D  
 Acq: 19 Nov 2024 09:16

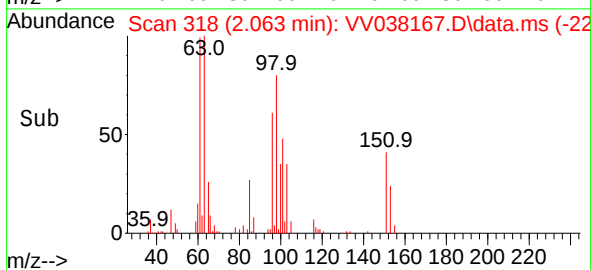
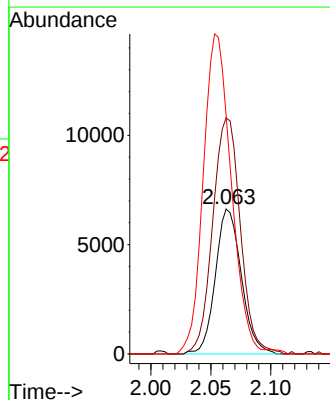
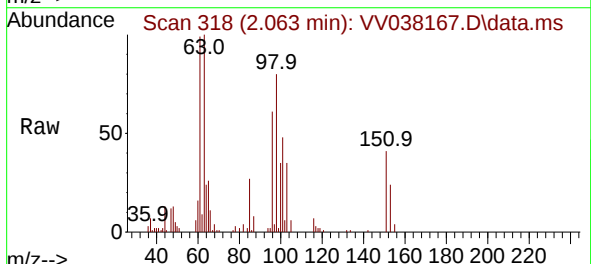
Instrument :  
 MSVOA\_V  
 ClientSampleId :

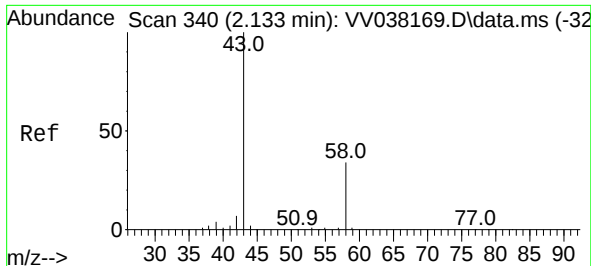
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 Ion Ratio Lower Upper  
 101 100  
 85 47.9 33.4 50.0  
 151 79.3 58.8 88.2



#12  
 1,1-Dichloroethene  
 Concen: 0.470 ug/L  
 RT: 2.063 min Scan# 318  
 Delta R.T. 0.000 min  
 Lab File: VV038167.D  
 Acq: 19 Nov 2024 09:16

Tgt Ion: 96 Resp: 9958  
 Ion Ratio Lower Upper  
 96 100  
 61 162.8 115.7 214.9  
 63 164.5 101.1 187.7





#13

Acetone

Concen: 5.319 ug/L

RT: 2.137 min Scan# 340

Delta R.T. 0.003 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

Instrument :

MSVOA\_V

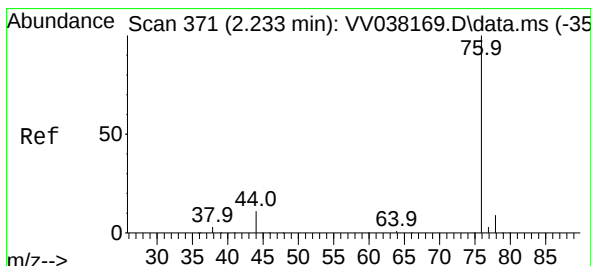
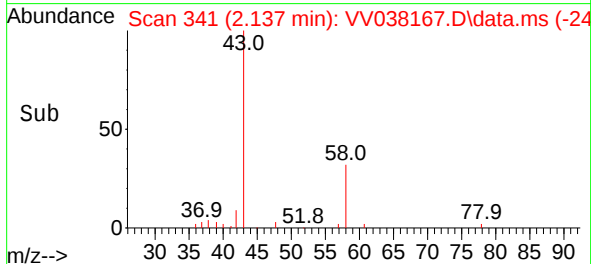
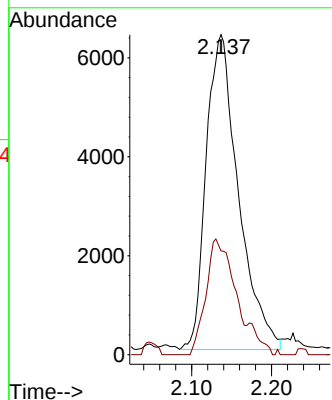
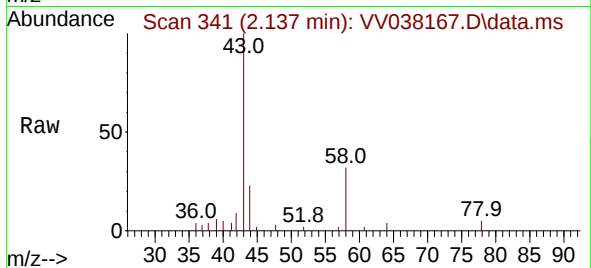
ClientSampleId :

Tgt Ion: 43 Resp: 17876

Ion Ratio Lower Upper

43 100

58 31.7 0.0 67.2



#14

Carbon disulfide

Concen: 0.459 ug/L

RT: 2.236 min Scan# 372

Delta R.T. 0.003 min

Lab File: VV038167.D

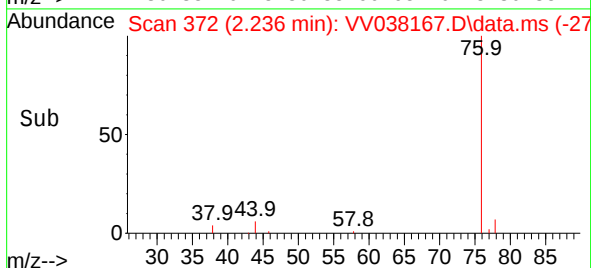
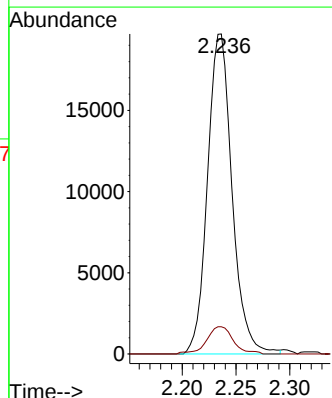
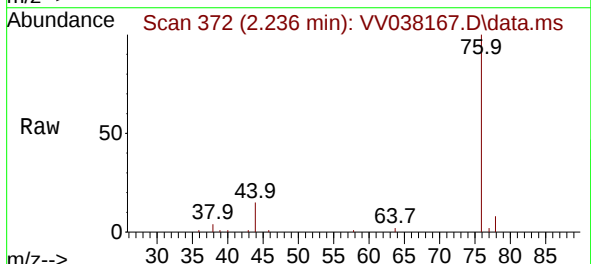
Acq: 19 Nov 2024 09:16

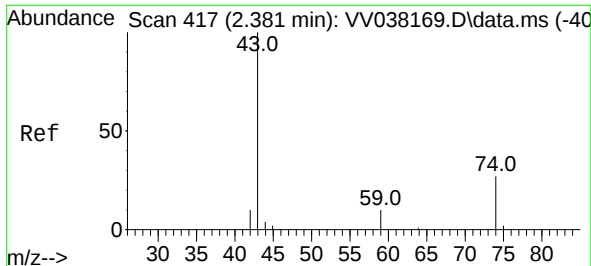
Tgt Ion: 76 Resp: 31309

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0





#15

Methyl Acetate

Concen: 0.386 ug/L

RT: 2.394 min Scan# 41

Delta R.T. 0.013 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

Instrument :

MSVOA\_V

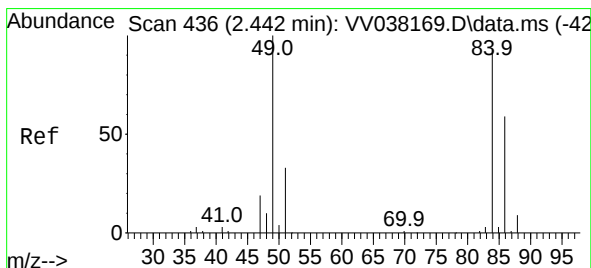
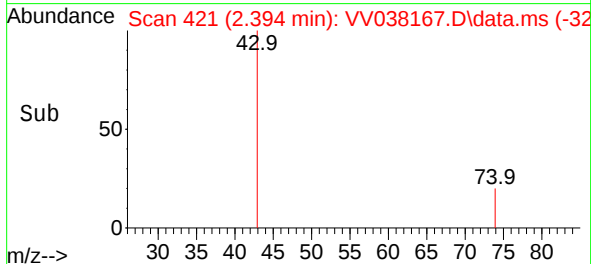
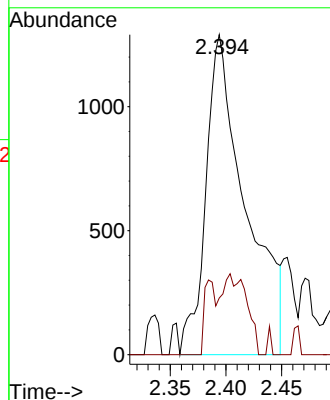
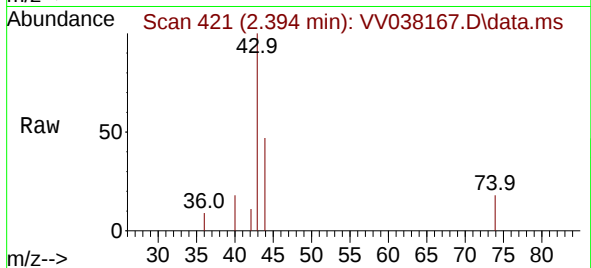
ClientSampleId :

Tgt Ion: 43 Resp: 3190

Ion Ratio Lower Upper

43 100

74 14.9 22.4 33.6#



#16

Methylene chloride

Concen: 0.488 ug/L

RT: 2.439 min Scan# 435

Delta R.T. -0.003 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

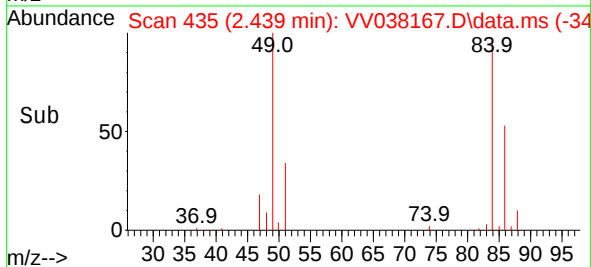
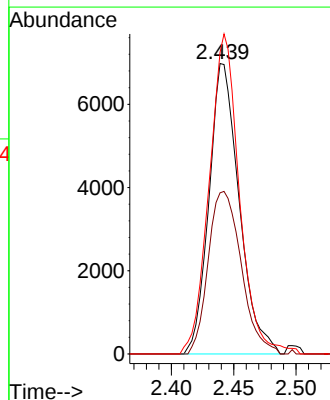
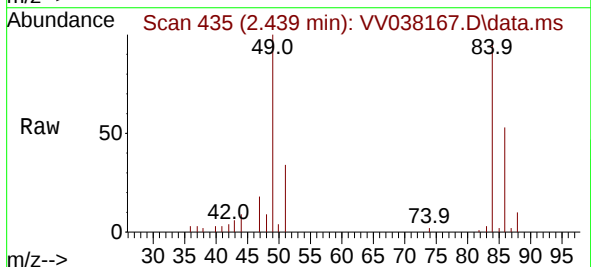
Tgt Ion: 84 Resp: 11774

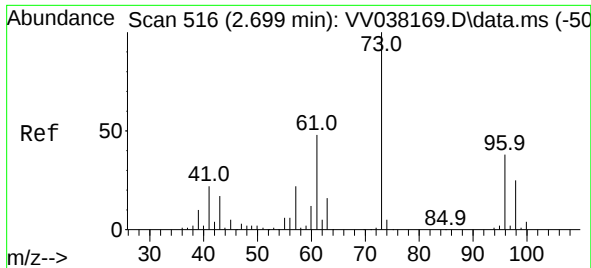
Ion Ratio Lower Upper

84 100

86 55.5 44.2 82.2

49 103.9 74.9 139.1

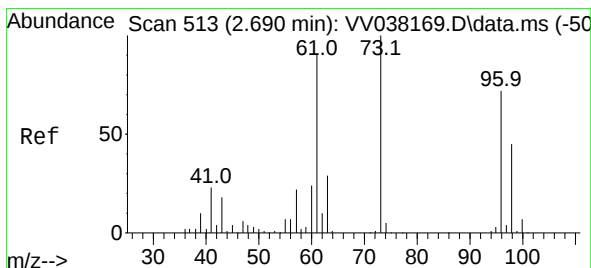
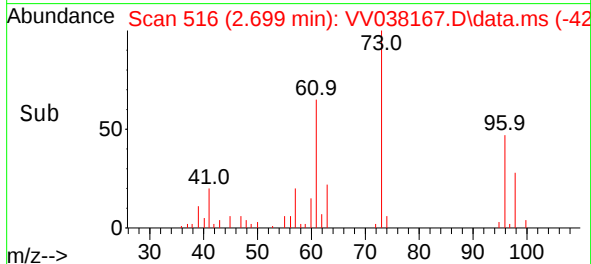
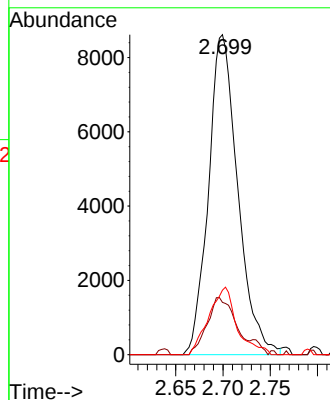
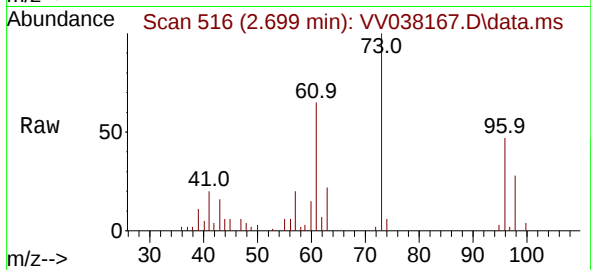




#17  
Methyl tert-butyl Ether  
Concen: 0.389 ug/L  
RT: 2.699 min Scan# 516  
Delta R.T. 0.000 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

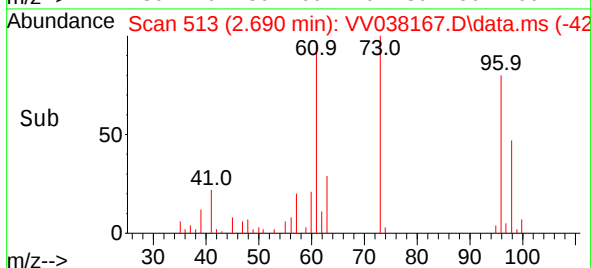
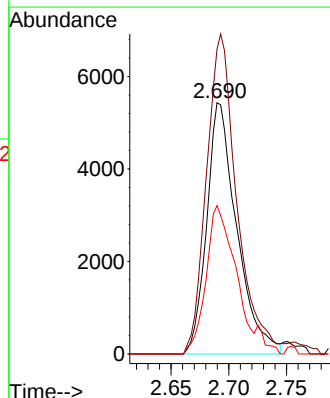
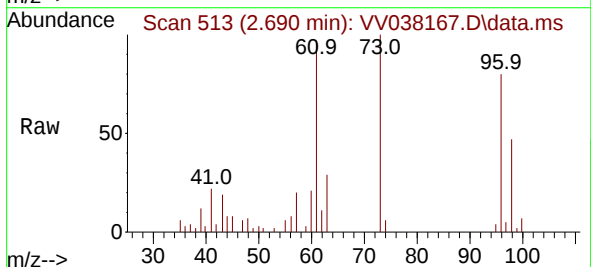
Instrument :  
MSVOA\_V  
ClientSampleId :

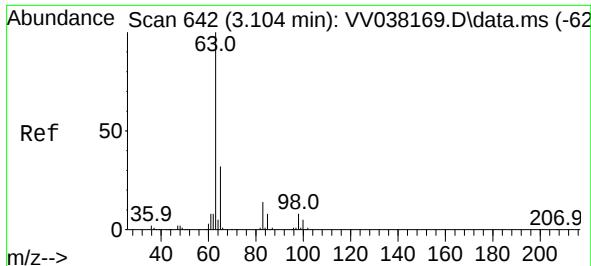
|             |                |
|-------------|----------------|
| Tgt Ion: 73 | Resp: 18601    |
| Ion Ratio   | Lower Upper    |
| 73          | 100            |
| 43          | 17.3 14.2 21.2 |
| 57          | 20.2 17.6 26.4 |



#18  
trans-1,2-Dichloroethene  
Concen: 0.441 ug/L  
RT: 2.690 min Scan# 513  
Delta R.T. 0.000 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

|             |                  |
|-------------|------------------|
| Tgt Ion: 96 | Resp: 9839       |
| Ion Ratio   | Lower Upper      |
| 96          | 100              |
| 61          | 121.4 88.5 164.4 |
| 98          | 59.0 43.9 81.5   |





#19

1,1-Dichloroethane

Concen: 0.444 ug/L

RT: 3.108 min Scan# 64

Delta R.T. 0.003 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

Instrument :

MSVOA\_V

ClientSampleId :

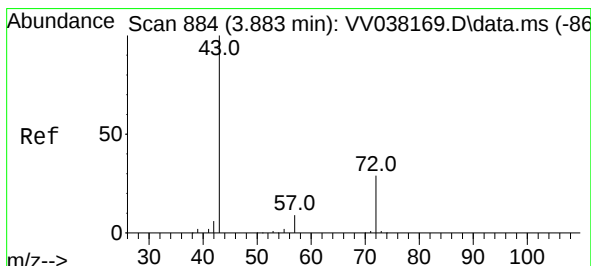
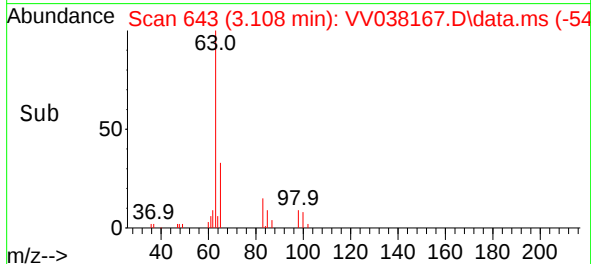
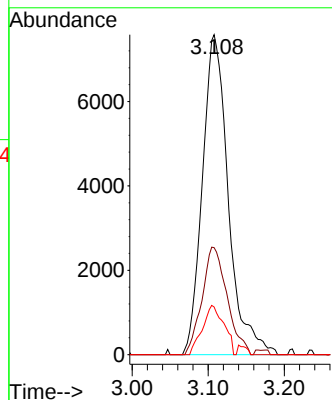
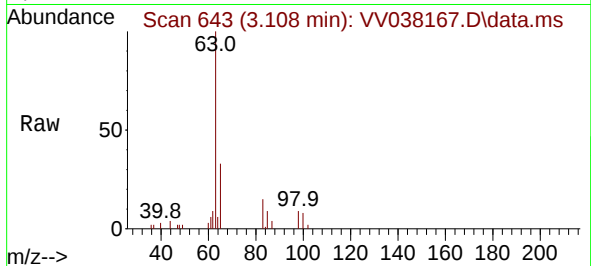
Tgt Ion: 63 Resp: 17955

Ion Ratio Lower Upper

63 100

65 33.5 22.5 41.7

83 14.9 10.1 18.9



#21

2-Butanone

Concen: 0.101 ug/L

RT: 3.822 min Scan# 865

Delta R.T. -0.061 min

Lab File: VV038167.D

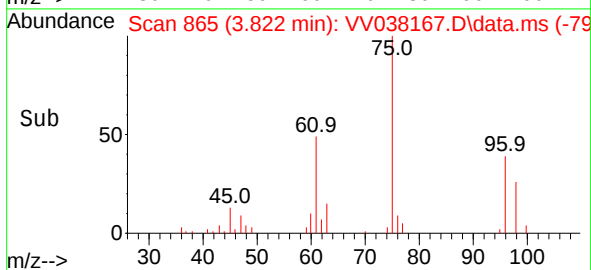
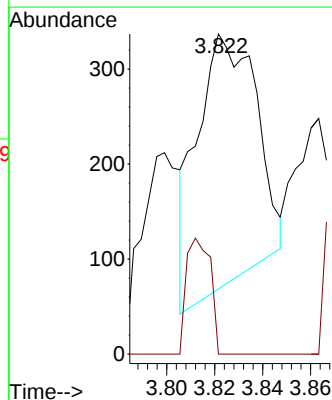
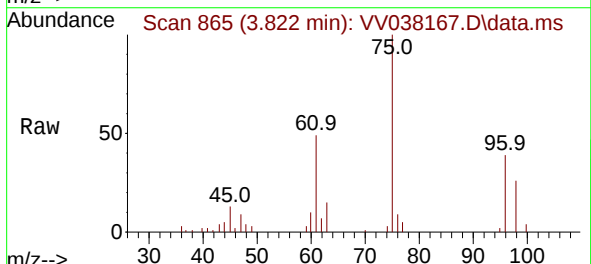
Acq: 19 Nov 2024 09:16

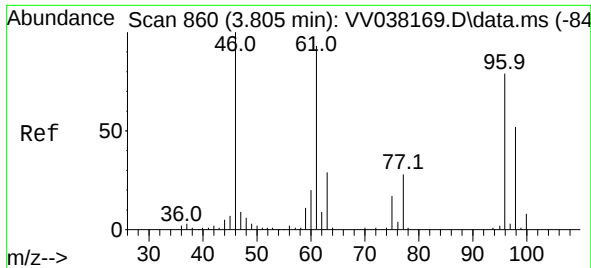
Tgt Ion: 43 Resp: 454

Ion Ratio Lower Upper

43 100

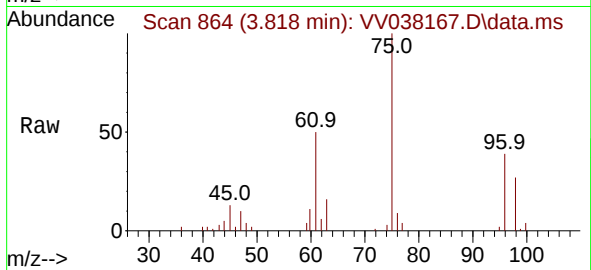
72 18.7 13.0 39.0



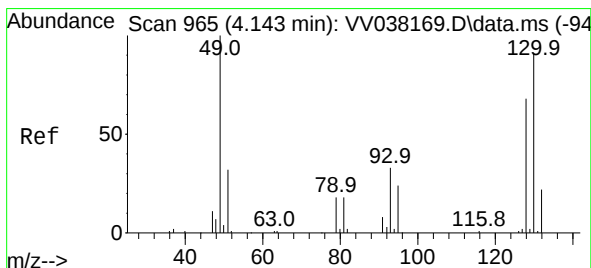
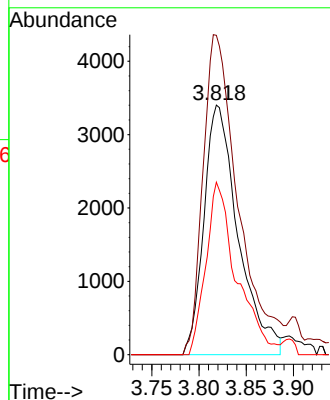
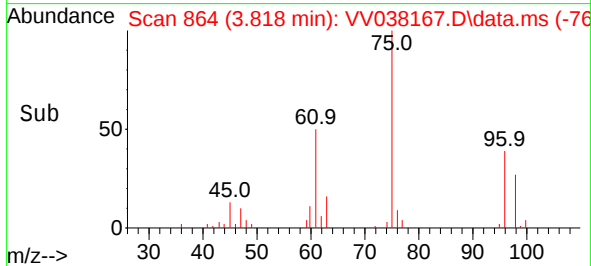


#22  
 cis-1,2-Dichloroethene  
 Concen: 0.372 ug/L  
 RT: 3.818 min Scan# 864  
 Delta R.T. 0.013 min  
 Lab File: VV038167.D  
 Acq: 19 Nov 2024 09:16

Instrument :  
 MSVOA\_V  
 ClientSampleId :

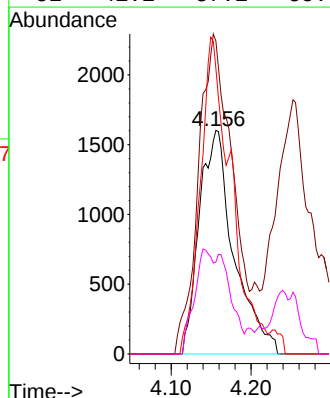
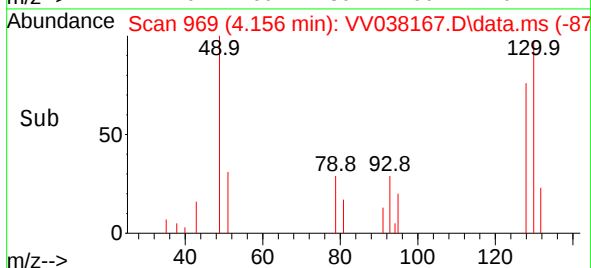
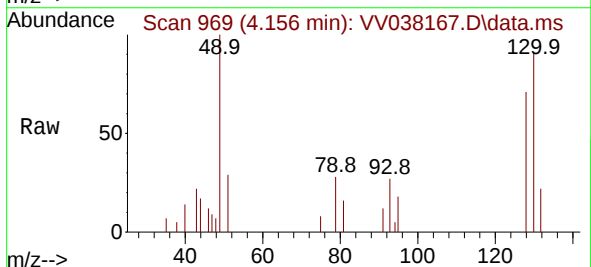


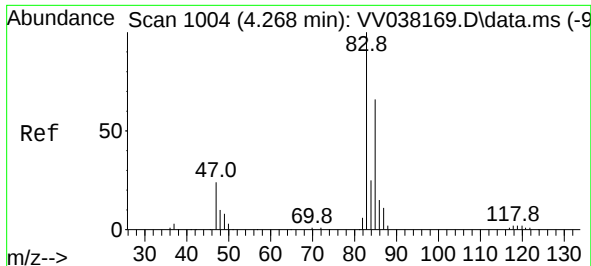
Tgt Ion: 96 Resp: 8579  
 Ion Ratio Lower Upper  
 96 100  
 61 127.9 82.7 153.5  
 98 69.1 46.3 85.9



#23  
 Bromochloromethane  
 Concen: 0.428 ug/L  
 RT: 4.156 min Scan# 969  
 Delta R.T. 0.013 min  
 Lab File: VV038167.D  
 Acq: 19 Nov 2024 09:16

Tgt Ion: 128 Resp: 4815  
 Ion Ratio Lower Upper  
 128 100  
 49 140.0 102.8 190.8  
 130 127.8 93.6 173.8  
 51 41.1 37.1 55.7





#25

Chloroform

Concen: 0.453 ug/L

RT: 4.272 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

Instrument :

MSVOA\_V

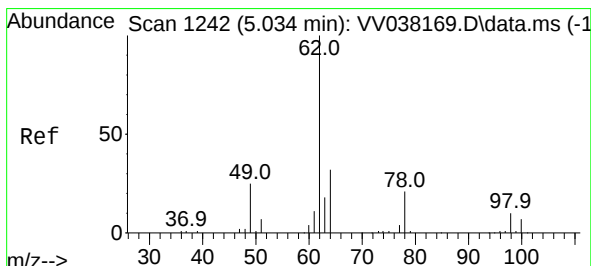
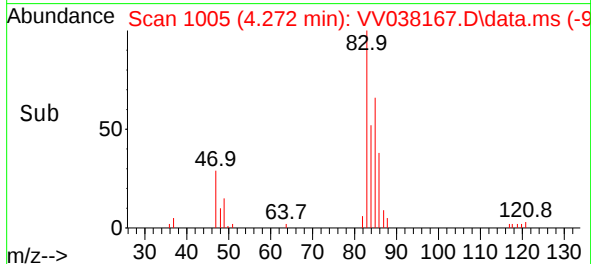
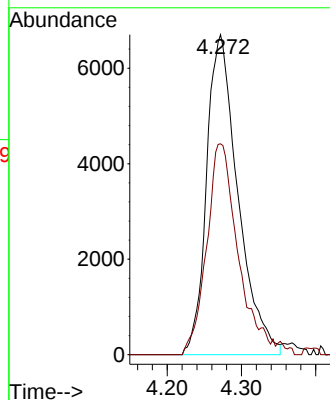
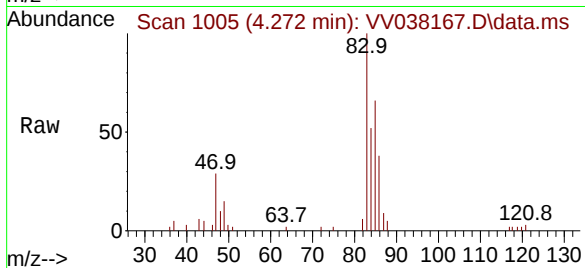
ClientSampleId :

Tgt Ion: 83 Resp: 19638

Ion Ratio Lower Upper

83 100

85 65.9 46.5 86.3



#27

1,2-Dichloroethane

Concen: 0.431 ug/L

RT: 5.053 min Scan# 1248

Delta R.T. 0.019 min

Lab File: VV038167.D

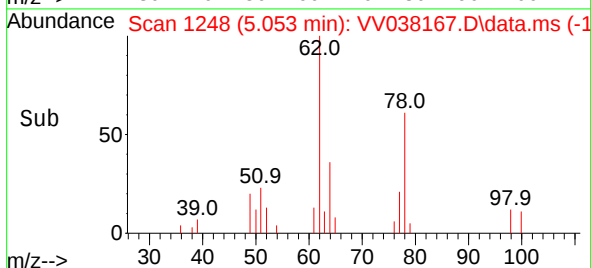
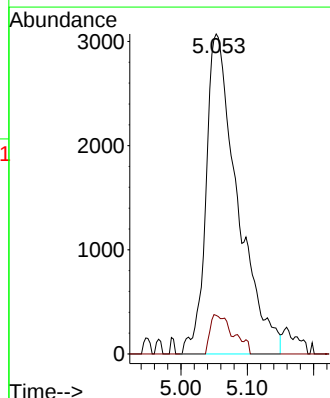
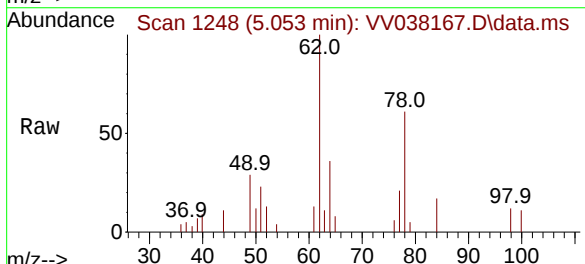
Acq: 19 Nov 2024 09:16

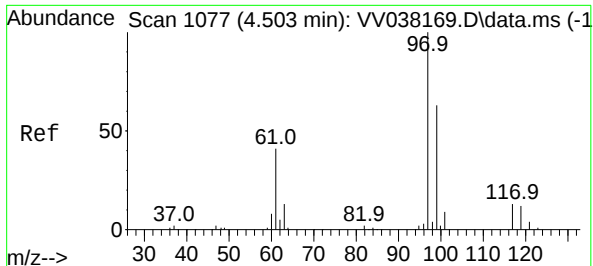
Tgt Ion: 62 Resp: 10152

Ion Ratio Lower Upper

62 100

98 12.1 8.2 12.4

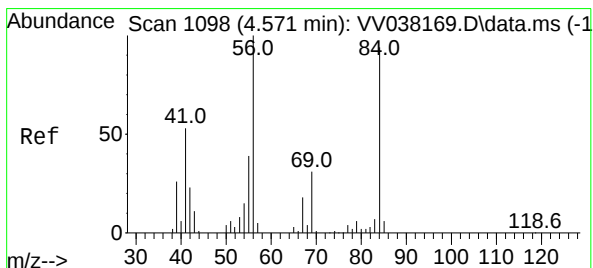
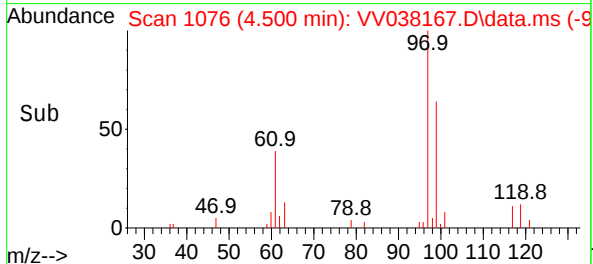
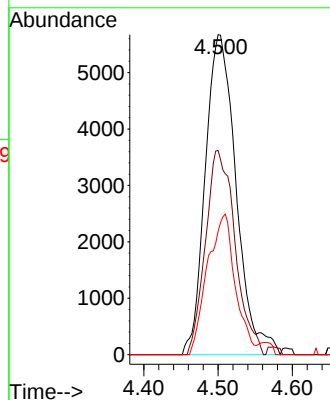
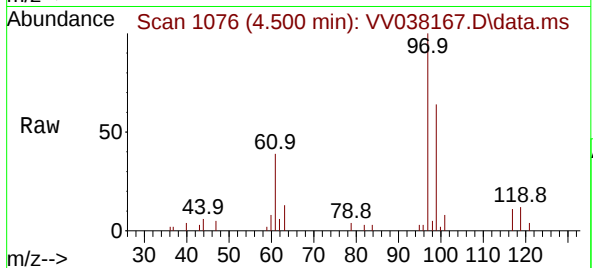




#29  
1,1,1-Trichloroethane  
Concen: 0.432 ug/L  
RT: 4.500 min Scan# 1076  
Delta R.T. -0.003 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

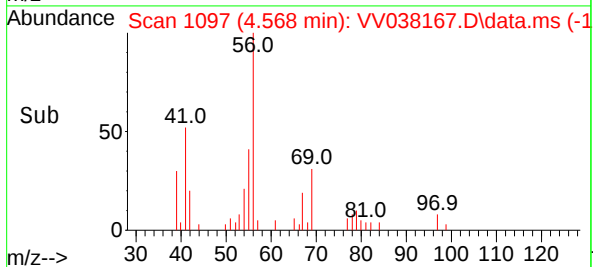
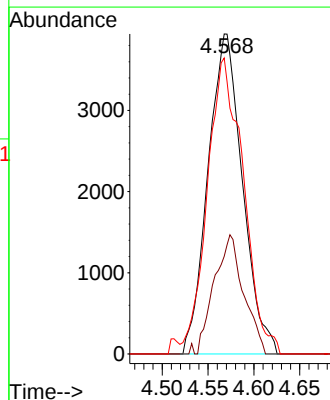
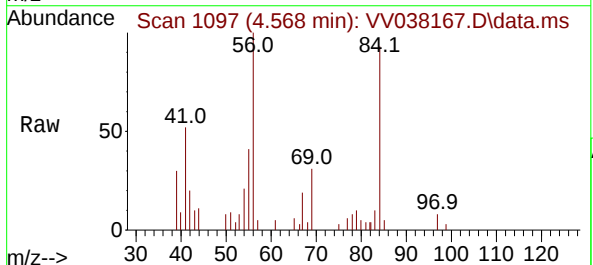
Instrument :  
MSVOA\_V  
ClientSampleId :

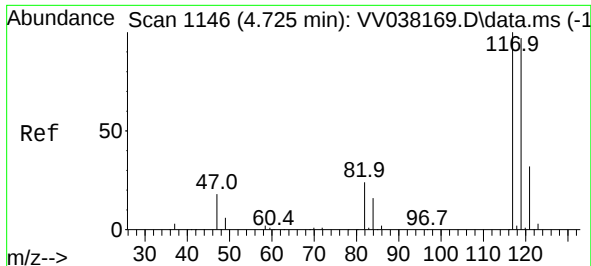
Tgt Ion: 97 Resp: 16372  
Ion Ratio Lower Upper  
97 100  
99 61.3 51.8 77.8  
61 39.7 32.2 48.2



#30  
Cyclohexane  
Concen: 0.328 ug/L  
RT: 4.568 min Scan# 1097  
Delta R.T. -0.003 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

Tgt Ion: 56 Resp: 10299  
Ion Ratio Lower Upper  
56 100  
69 31.7 26.0 39.0  
84 96.5 75.6 113.4

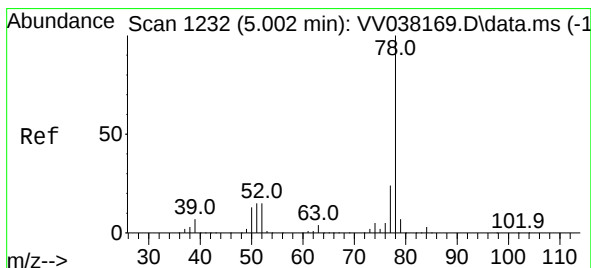
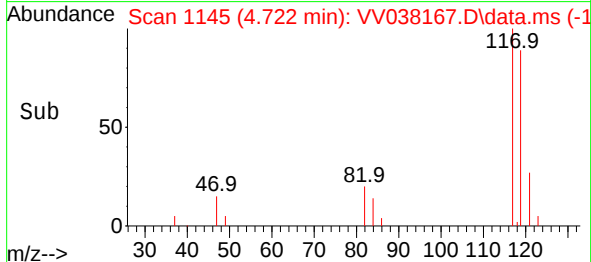
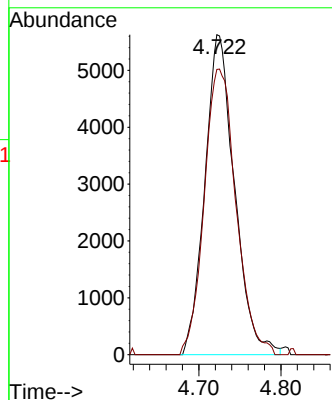
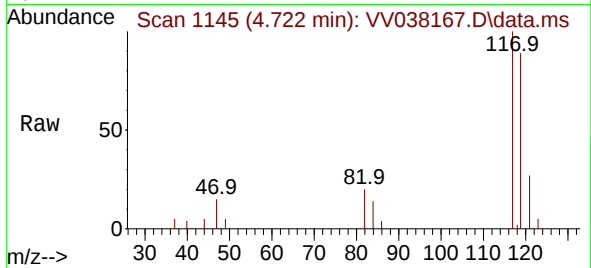




#31  
Carbon tetrachloride  
Concen: 0.424 ug/L  
RT: 4.722 min Scan# 1145  
Delta R.T. -0.003 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

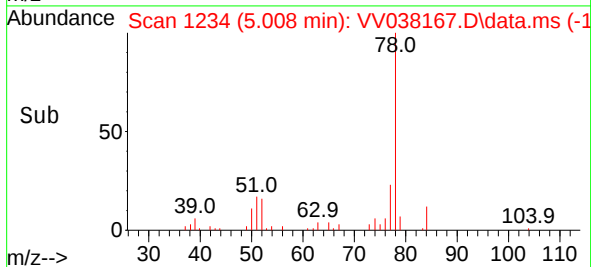
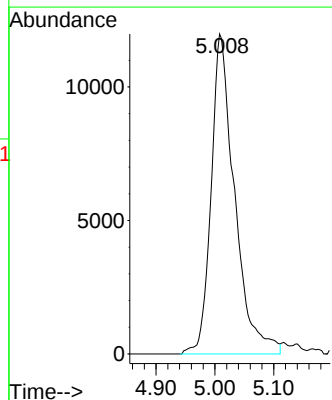
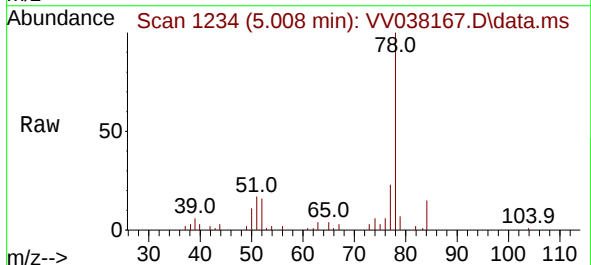
Instrument :  
MSVOA\_V  
ClientSampleId :

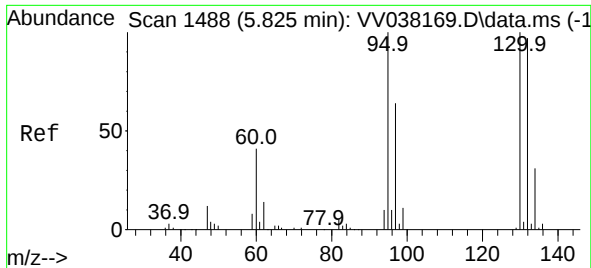
Tgt Ion:117 Resp: 14186  
Ion Ratio Lower Upper  
117 100  
119 95.5 77.4 116.2



#33  
Benzene  
Concen: 0.375 ug/L  
RT: 5.008 min Scan# 1234  
Delta R.T. 0.006 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

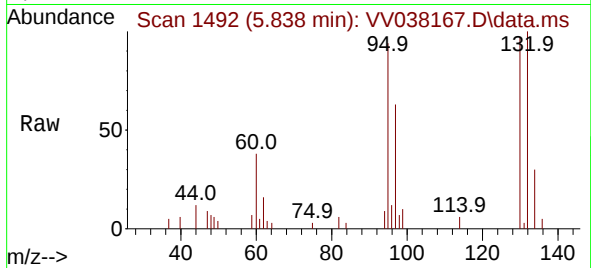
Tgt Ion: 78 Resp: 33237



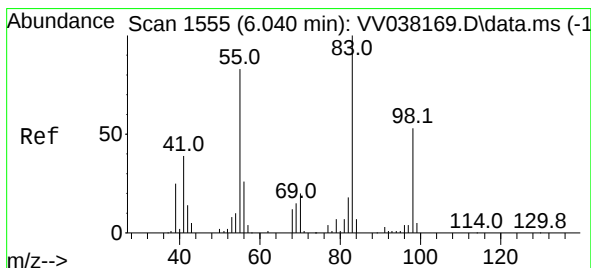
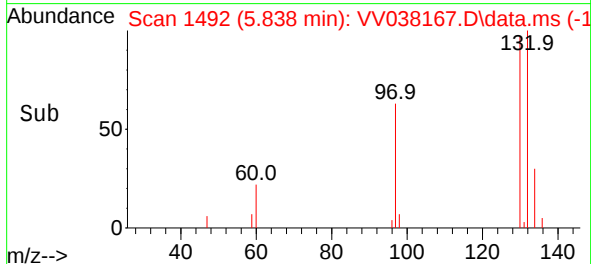
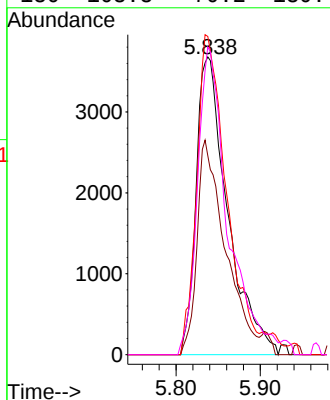


#34  
Trichloroethene  
Concen: 0.394 ug/L  
RT: 5.838 min Scan# 1488  
Delta R.T. 0.013 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

Instrument :  
MSVOA\_V  
ClientSampleId :

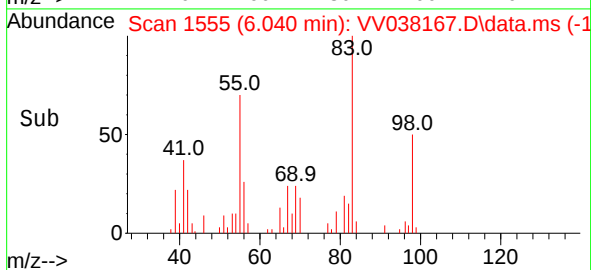
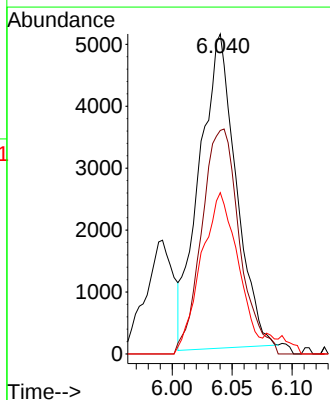
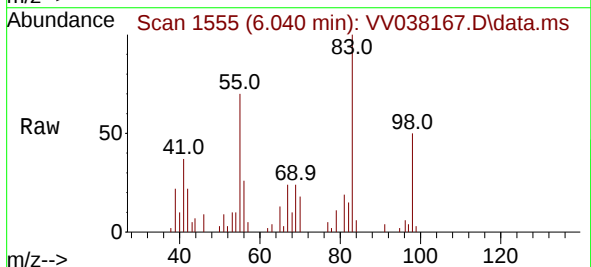


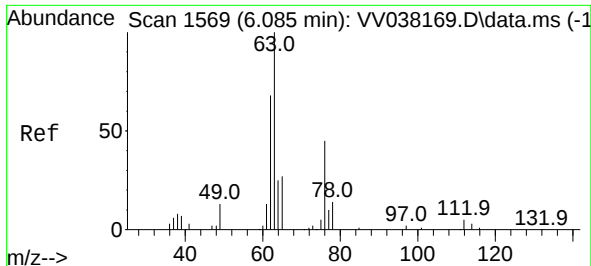
Tgt Ion: 95 Resp: 9544  
Ion Ratio Lower Upper  
95 100  
97 66.8 44.8 83.2  
132 106.8 68.3 126.8  
130 103.3 70.2 130.4



#35  
Methylcyclohexane  
Concen: 0.315 ug/L  
RT: 6.040 min Scan# 1555  
Delta R.T. 0.000 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

Tgt Ion: 83 Resp: 10788  
Ion Ratio Lower Upper  
83 100  
55 73.9 59.7 89.5  
98 51.9 39.0 58.4

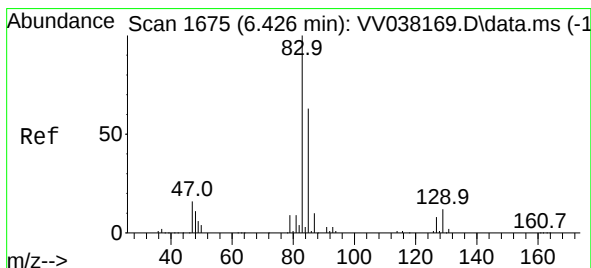
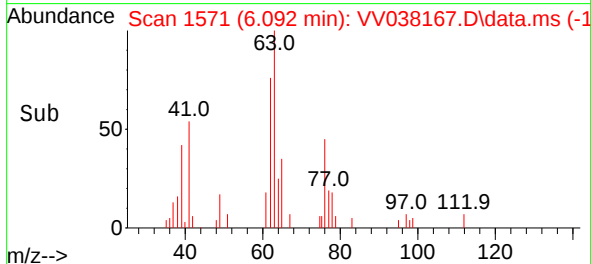
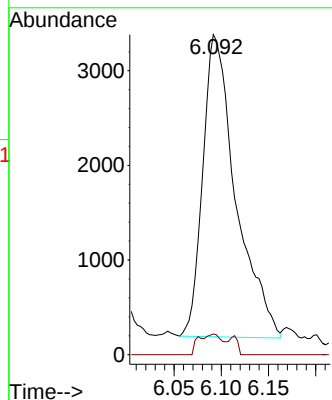
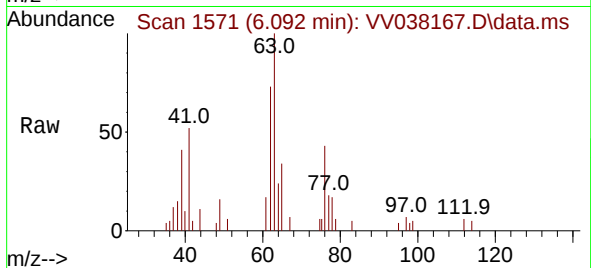




#37  
1,2-Dichloropropane  
Concen: 0.349 ug/L  
RT: 6.092 min Scan# 1569  
Delta R.T. 0.006 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

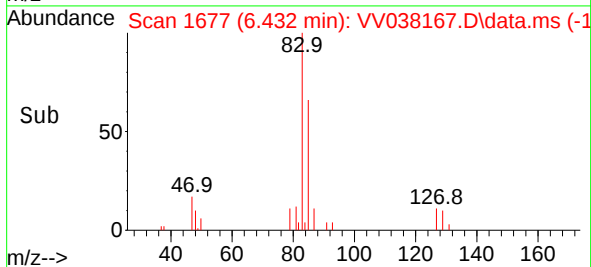
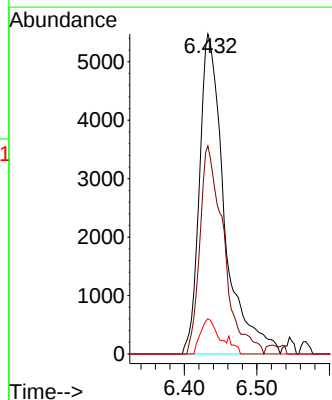
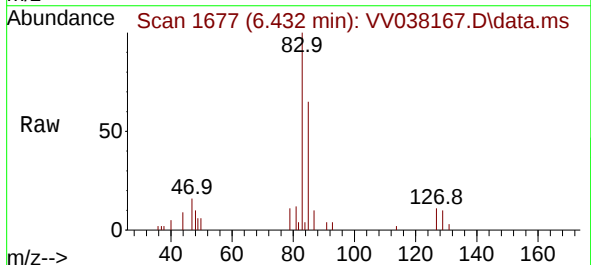
Instrument :  
MSVOA\_V  
ClientSampleId :

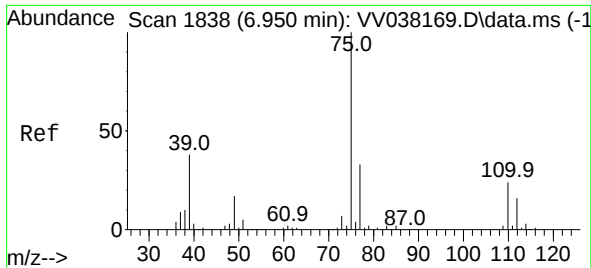
Tgt Ion: 63 Resp: 7748  
Ion Ratio Lower Upper  
63 100  
112 4.9 3.9 5.9



#38  
Bromodichloromethane  
Concen: 0.439 ug/L  
RT: 6.432 min Scan# 1677  
Delta R.T. 0.006 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

Tgt Ion: 83 Resp: 13131  
Ion Ratio Lower Upper  
83 100  
85 65.0 43.9 81.5  
127 11.0 6.7 10.1#

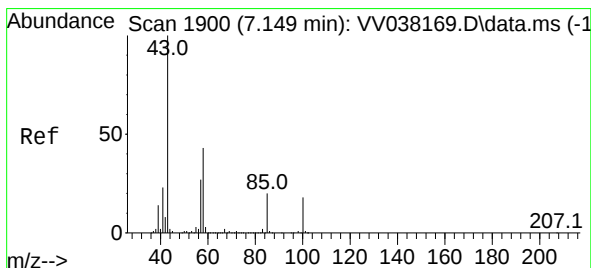
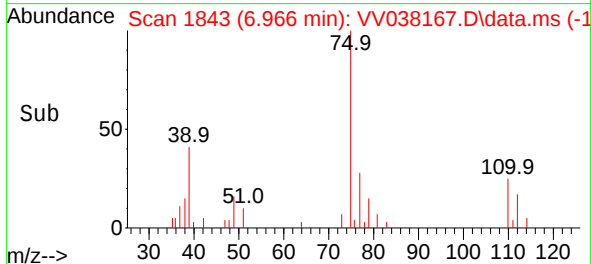
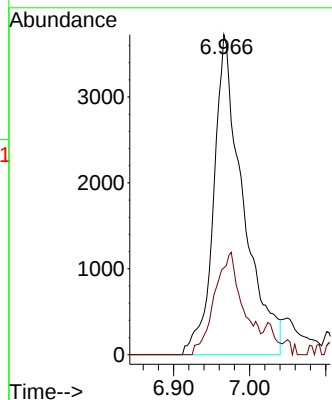
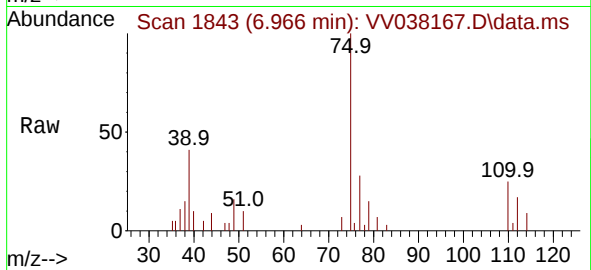




#39  
cis-1,3-Dichloropropene  
Concen: 0.332 ug/L  
RT: 6.966 min Scan# 11  
Delta R.T. 0.016 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

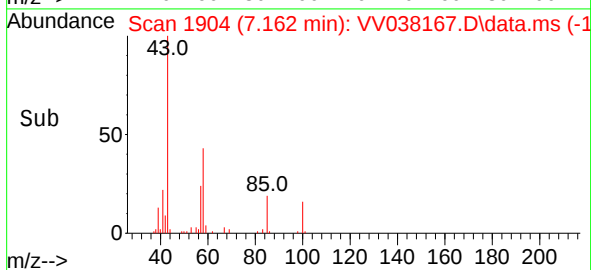
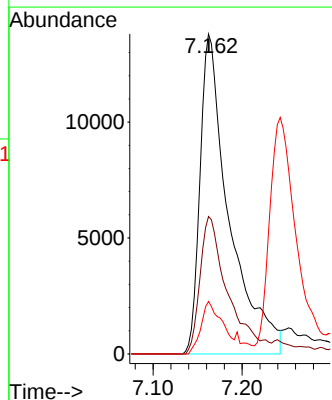
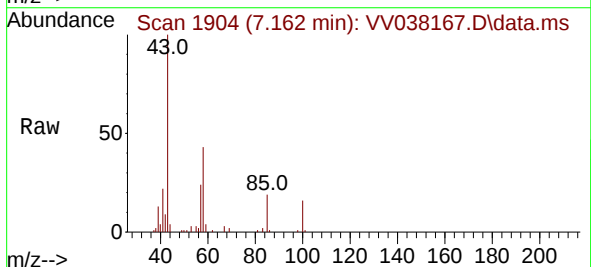
Instrument :  
MSVOA\_V  
ClientSampleId :

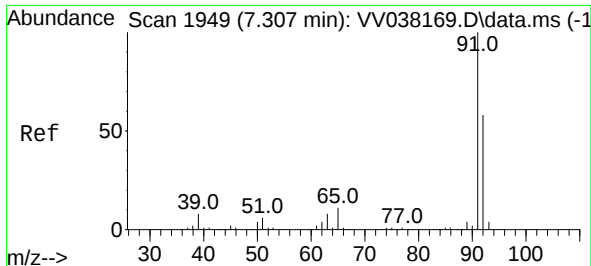
Tgt Ion: 75 Resp: 9980  
Ion Ratio Lower Upper  
75 100  
77 27.1 23.4 43.6



#40  
4-Methyl-2-pentanone  
Concen: 2.730 ug/L  
RT: 7.162 min Scan# 1904  
Delta R.T. 0.013 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

Tgt Ion: 43 Resp: 31228  
Ion Ratio Lower Upper  
43 100  
58 41.6 33.4 50.2  
100 12.1 14.3 21.5#





#42

Toluene

Concen: 0.325 ug/L

RT: 7.317 min Scan# 1949

Delta R.T. 0.010 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

Instrument :

MSVOA\_V

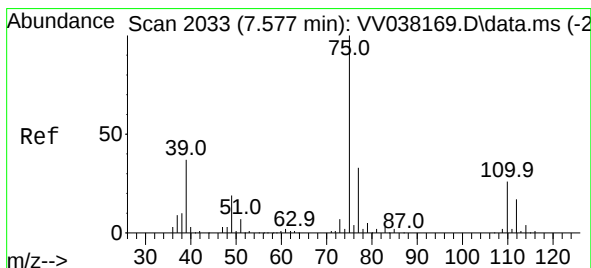
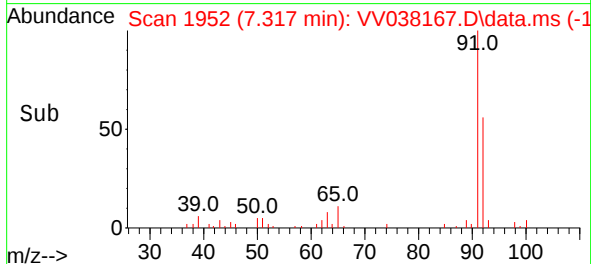
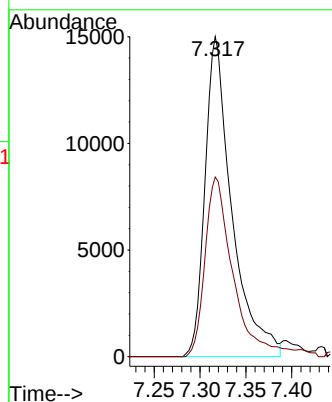
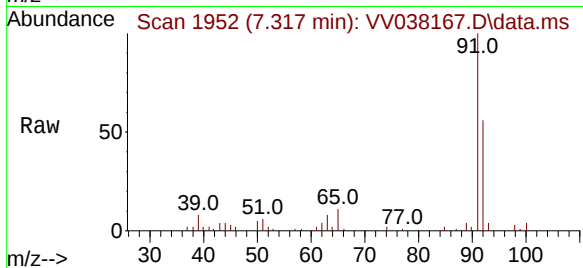
ClientSampleId :

Tgt Ion: 91 Resp: 30507

Ion Ratio Lower Upper

91 100

92 56.1 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.293 ug/L

RT: 7.603 min Scan# 2041

Delta R.T. 0.026 min

Lab File: VV038167.D

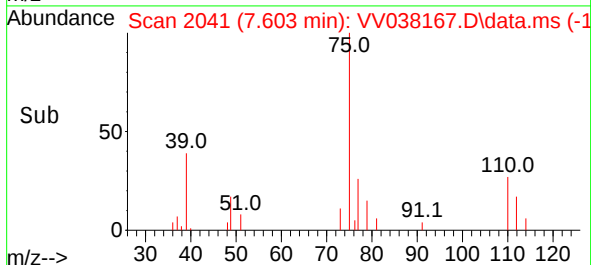
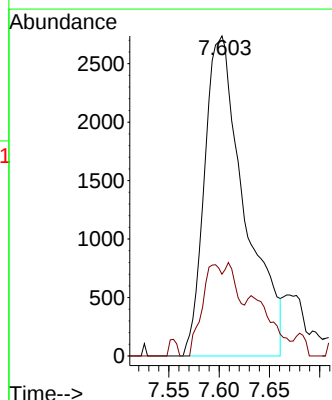
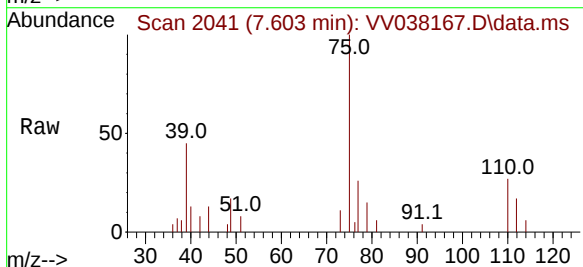
Acq: 19 Nov 2024 09:16

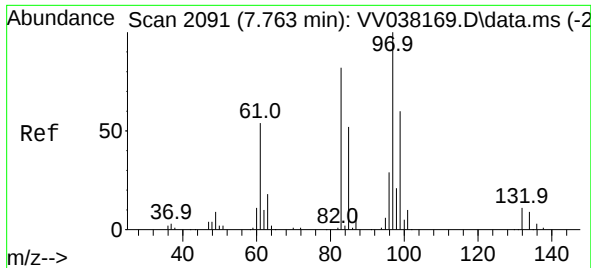
Tgt Ion: 75 Resp: 7576

Ion Ratio Lower Upper

75 100

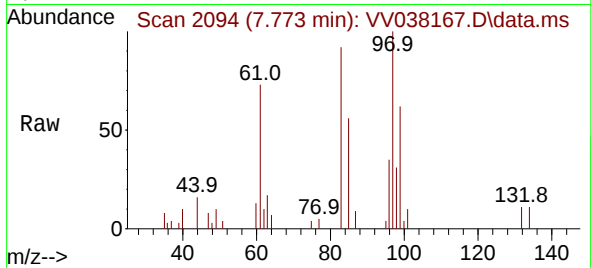
77 25.6 23.4 43.4



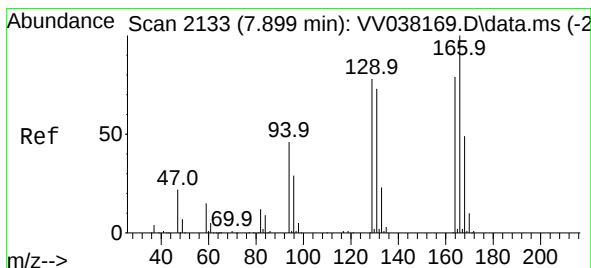
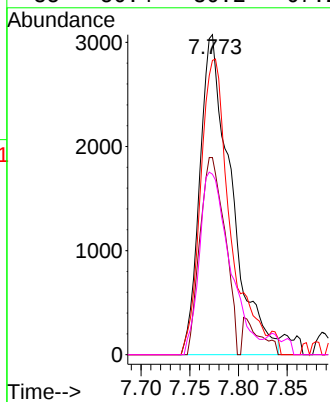
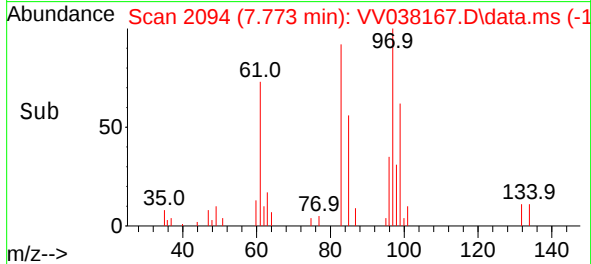


#45  
1,1,2-Trichloroethane  
Concen: 0.383 ug/L  
RT: 7.773 min Scan# 2091  
Delta R.T. 0.010 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

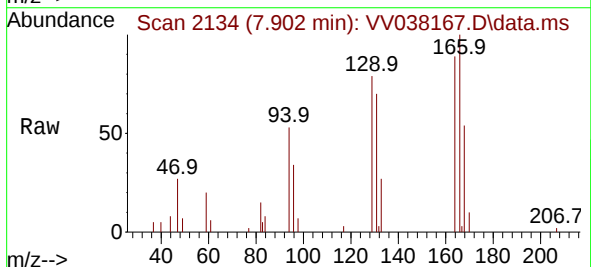
Instrument :  
MSVOA\_V  
ClientSampleId :



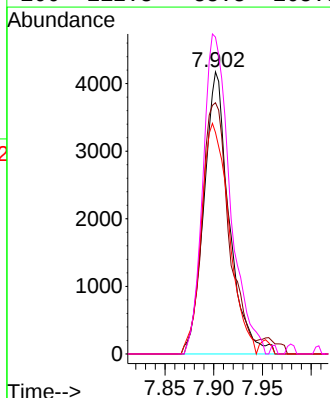
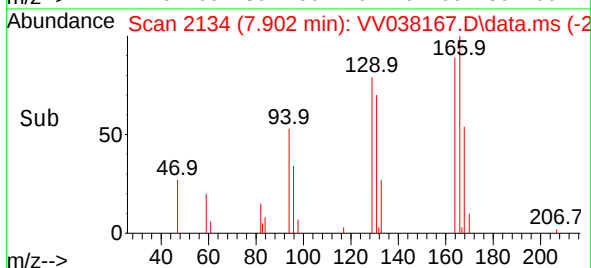
| Tgt Ion: | 97    | Resp: | 6903  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 61.6  | 41.9  | 77.7  |
| 83       | 91.9  | 57.7  | 107.1 |
| 85       | 56.4  | 36.2  | 67.2  |

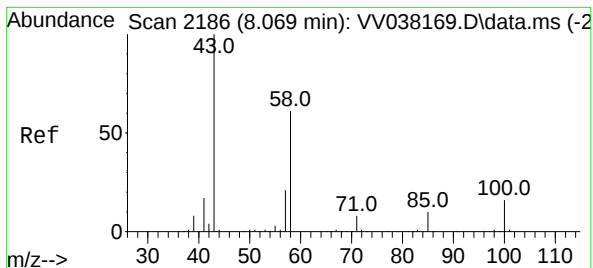


#47  
Tetrachloroethene  
Concen: 0.387 ug/L  
RT: 7.902 min Scan# 2134  
Delta R.T. 0.003 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16



| Tgt Ion: | 164   | Resp: | 7519  |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 129      | 89.1  | 68.5  | 127.1 |
| 131      | 78.5  | 64.8  | 120.4 |
| 166      | 112.3 | 88.3  | 163.9 |





#48

2-Hexanone

Concen: 2.496 ug/L

RT: 8.091 min Scan# 2186

Delta R.T. 0.023 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 43 Resp: 19712

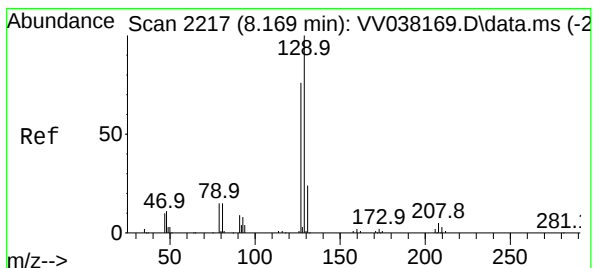
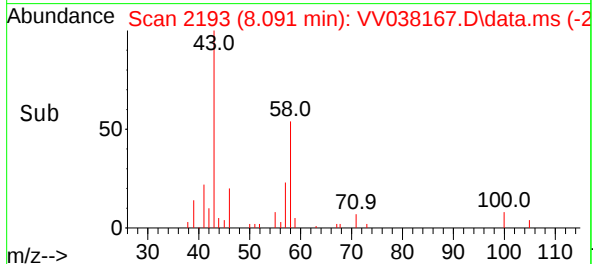
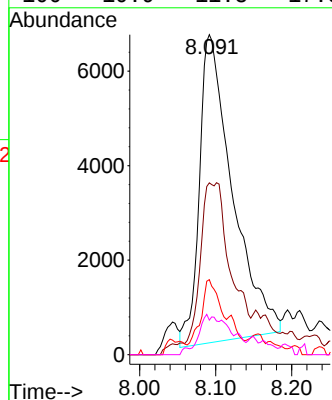
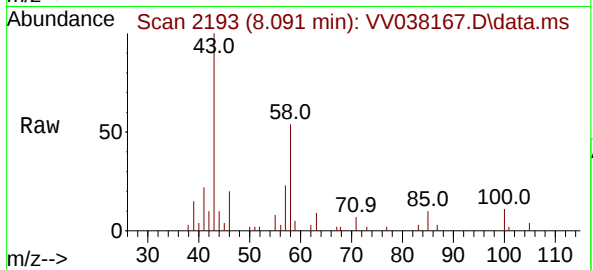
Ion Ratio Lower Upper

43 100

58 54.3 49.2 73.8

57 11.7 16.9 25.3#

100 10.9 11.8 17.8#



#49

Dibromochloromethane

Concen: 0.385 ug/L

RT: 8.169 min Scan# 2217

Delta R.T. 0.000 min

Lab File: VV038167.D

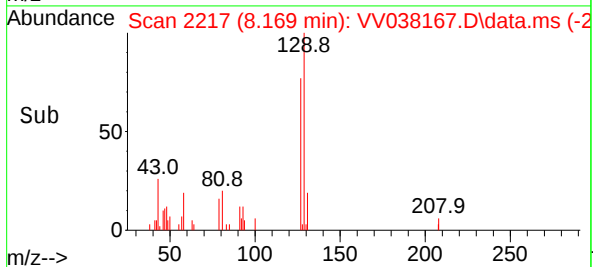
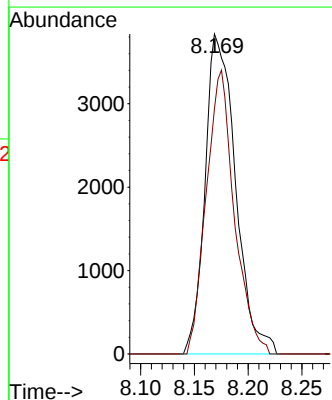
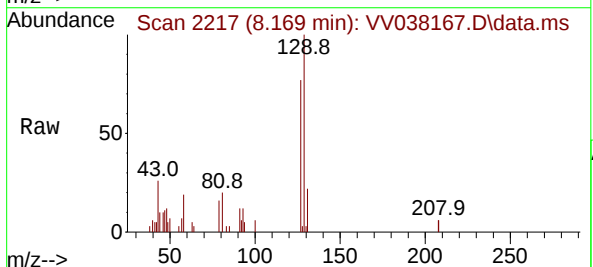
Acq: 19 Nov 2024 09:16

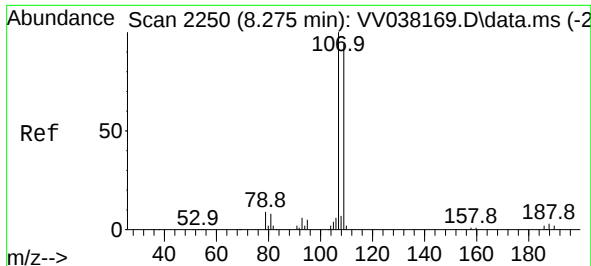
Tgt Ion:129 Resp: 7563

Ion Ratio Lower Upper

129 100

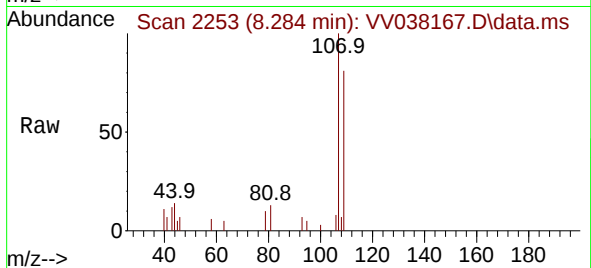
127 76.6 53.5 99.3



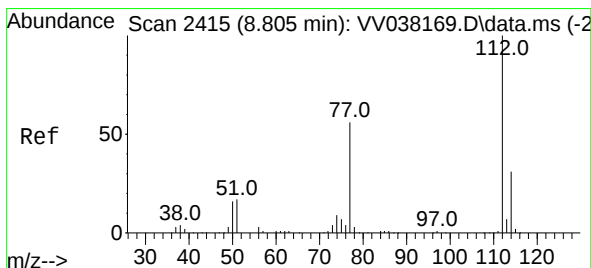
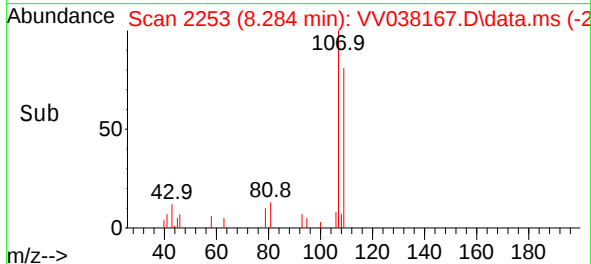
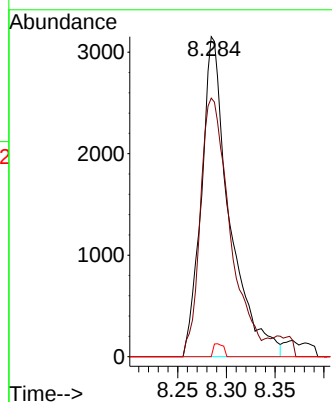


#50  
1,2-Dibromoethane  
Concen: 0.378 ug/L  
RT: 8.284 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

Instrument :  
MSVOA\_V  
ClientSampleId :

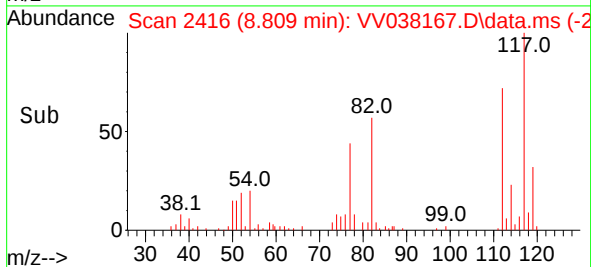
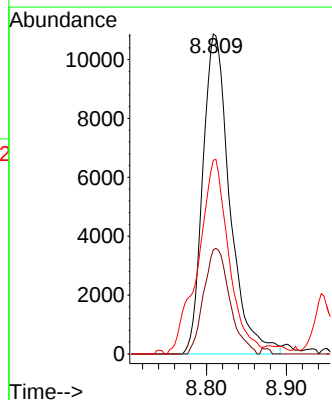
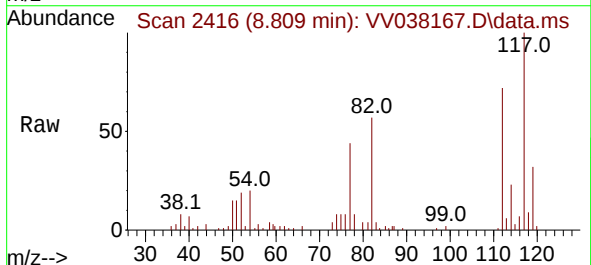


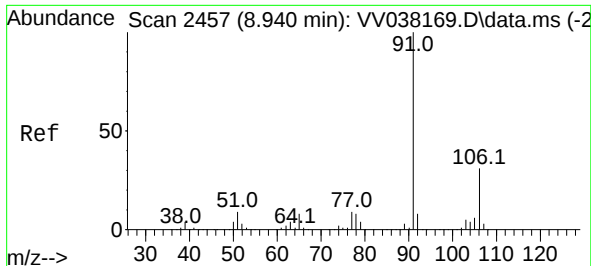
Tgt Ion:107 Resp: 6310  
Ion Ratio Lower Upper  
107 100  
109 80.8 66.1 122.7  
188 0.0 2.6 3.8#



#51  
Chlorobenzene  
Concen: 0.394 ug/L  
RT: 8.809 min Scan# 2416  
Delta R.T. 0.003 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

Tgt Ion:112 Resp: 25522  
Ion Ratio Lower Upper  
112 100  
114 32.5 22.0 40.8  
77 60.5 45.0 67.4





#52

Ethylbenzene

Concen: 0.345 ug/L

RT: 8.947 min Scan# 2457

Delta R.T. 0.006 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

Instrument :

MSVOA\_V

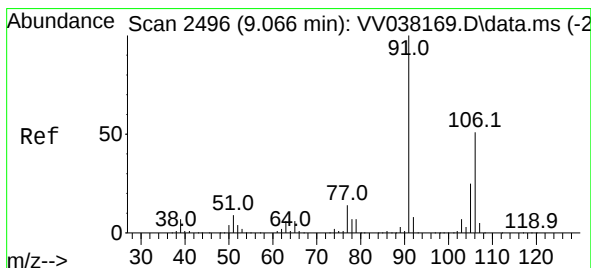
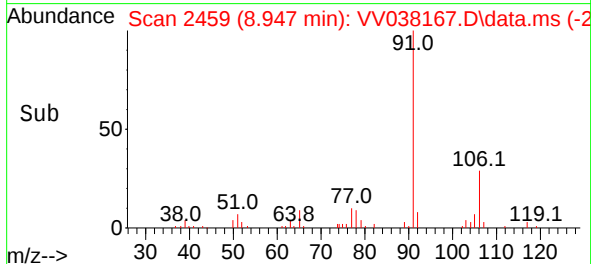
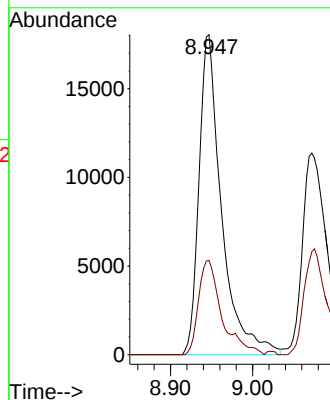
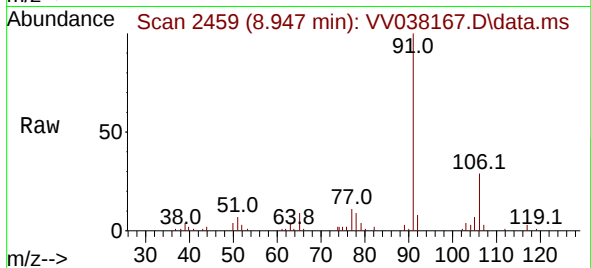
ClientSampleId :

Tgt Ion: 91 Resp: 34433

Ion Ratio Lower Upper

91 100

106 29.5 21.8 40.4



#53

m,p-Xylene

Concen: 0.309 ug/L

RT: 9.075 min Scan# 2499

Delta R.T. 0.010 min

Lab File: VV038167.D

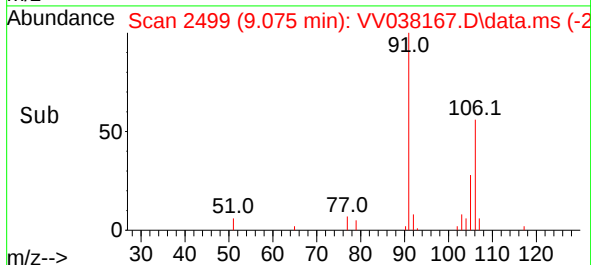
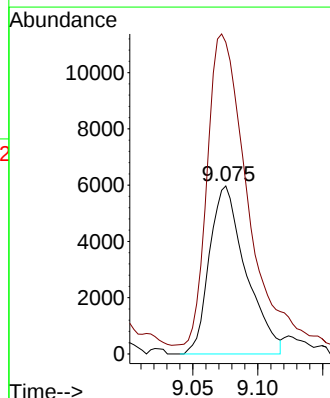
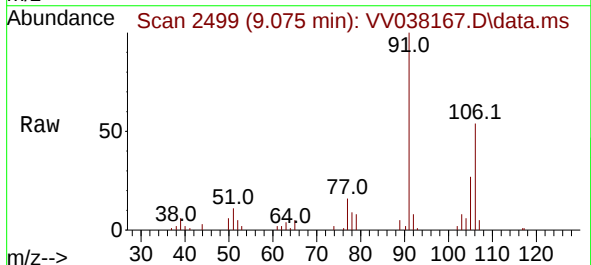
Acq: 19 Nov 2024 09:16

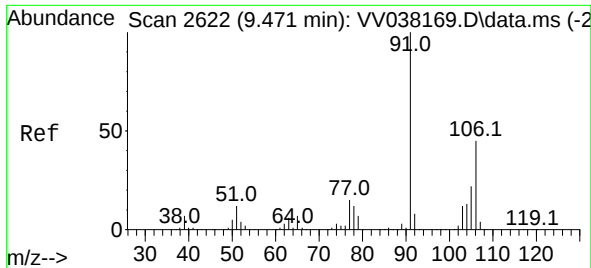
Tgt Ion: 106 Resp: 11632

Ion Ratio Lower Upper

106 100

91 185.5 138.7 257.5

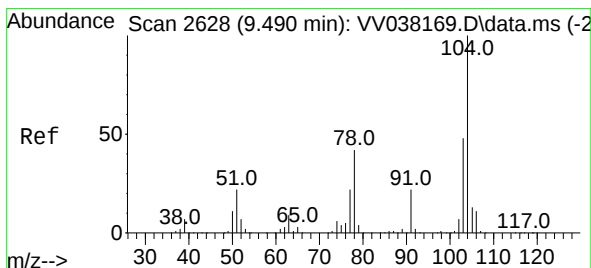
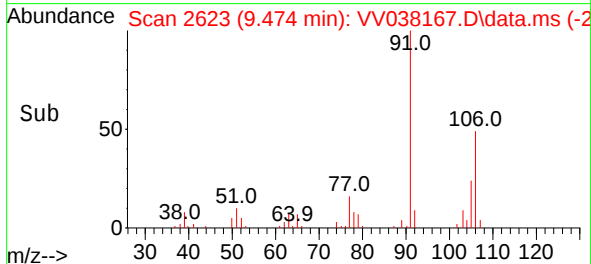
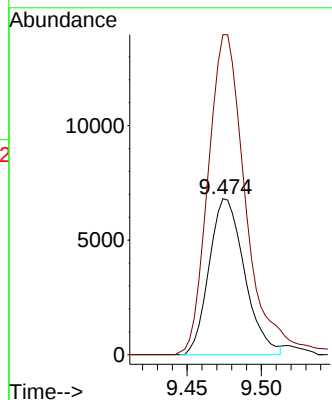
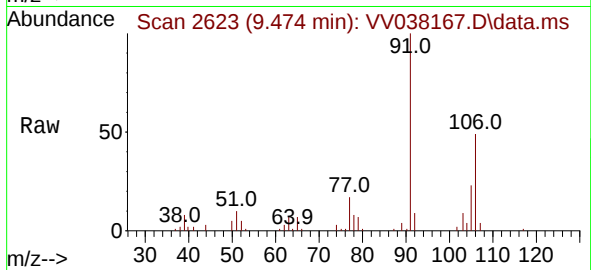




#54  
o-Xylene  
Concen: 0.308 ug/L  
RT: 9.474 min Scan# 2622  
Delta R.T. 0.003 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

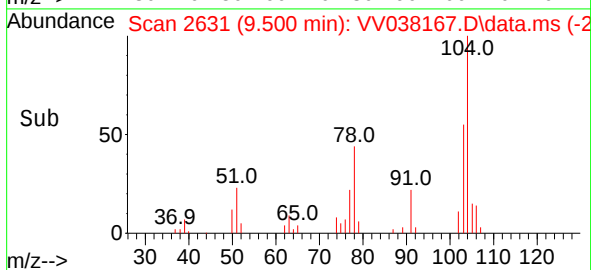
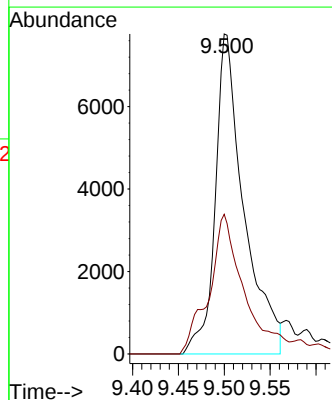
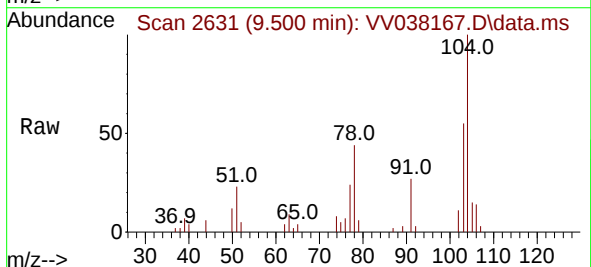
Instrument :  
MSVOA\_V  
ClientSampleId :

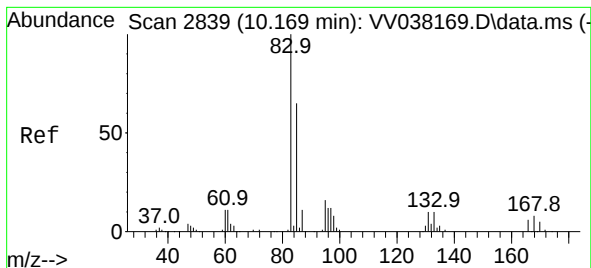
Tgt Ion:106 Resp: 11296  
Ion Ratio Lower Upper  
106 100  
91 205.1 155.5 288.7



#55  
Styrene  
Concen: 0.264 ug/L  
RT: 9.500 min Scan# 2631  
Delta R.T. 0.010 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

Tgt Ion:104 Resp: 16841  
Ion Ratio Lower Upper  
104 100  
78 43.6 29.7 55.1





#57

1,1,2,2-Tetrachloroethane

Concen: 0.395 ug/L

RT: 10.175 min Scan# 2839

Delta R.T. 0.006 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

Instrument :

MSVOA\_V

ClientSampleId :

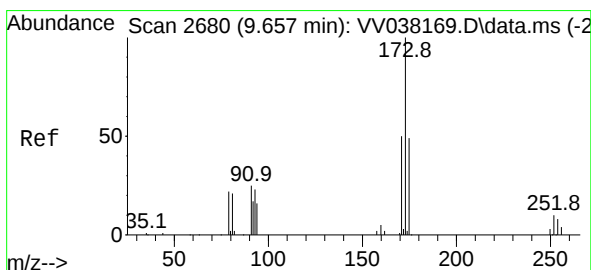
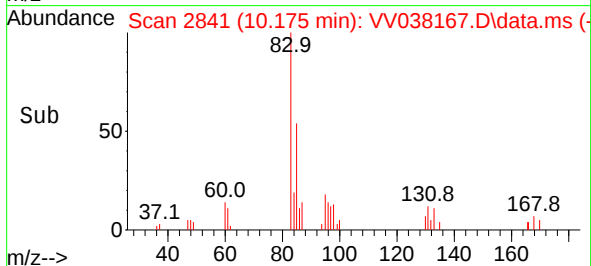
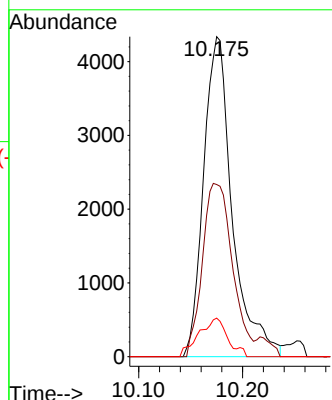
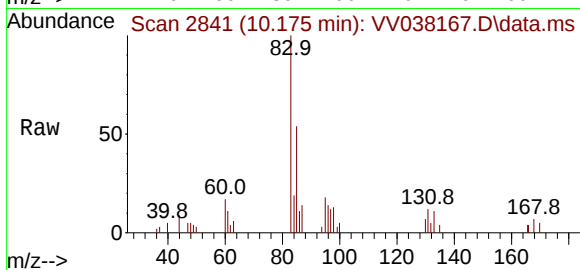
Tgt Ion: 83 Resp: 8319

Ion Ratio Lower Upper

83 100

85 53.8 45.7 84.9

131 12.0 8.2 12.4



#59

Bromoform

Concen: 0.399 ug/L

RT: 9.664 min Scan# 2682

Delta R.T. 0.006 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

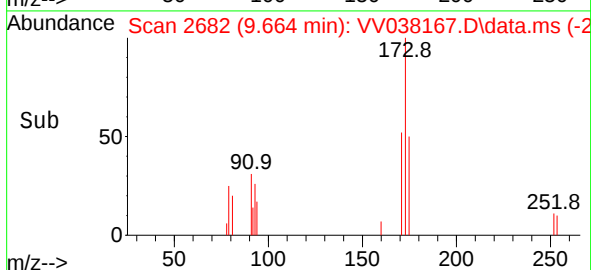
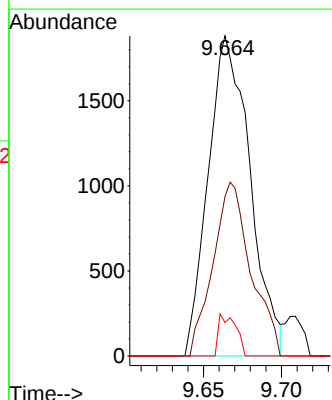
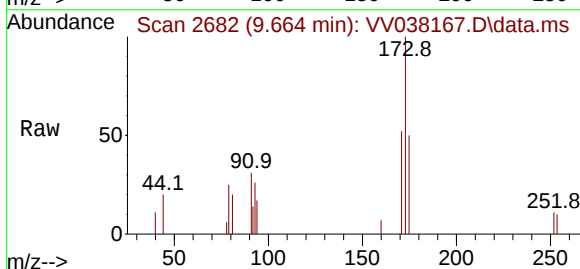
Tgt Ion:173 Resp: 3505

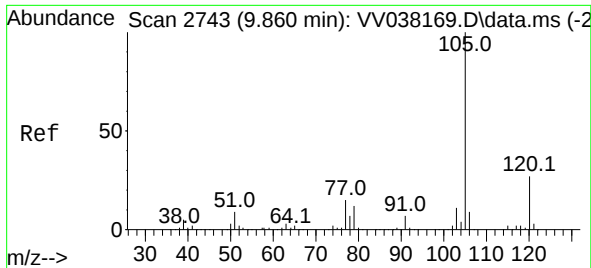
Ion Ratio Lower Upper

173 100

175 49.2 38.5 57.7

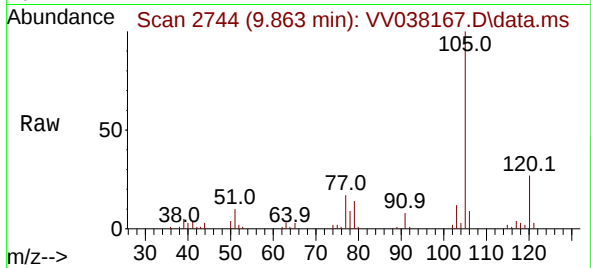
254 5.4 6.9 10.3#



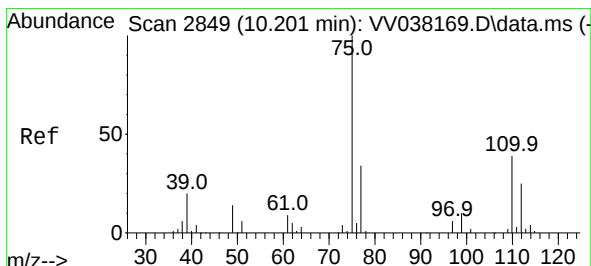
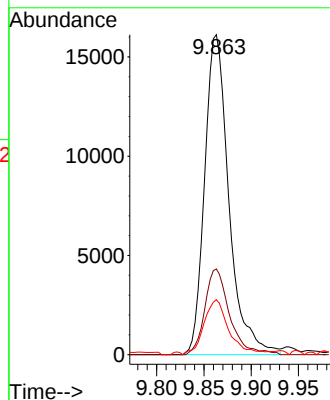
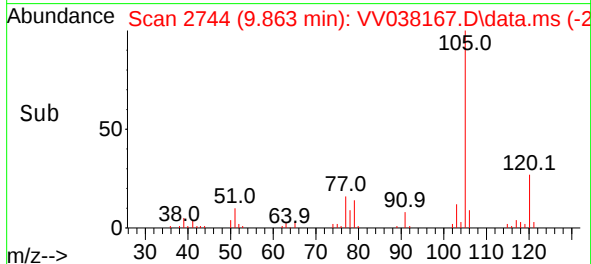


#60  
Isopropylbenzene  
Concen: 0.331 ug/L  
RT: 9.863 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

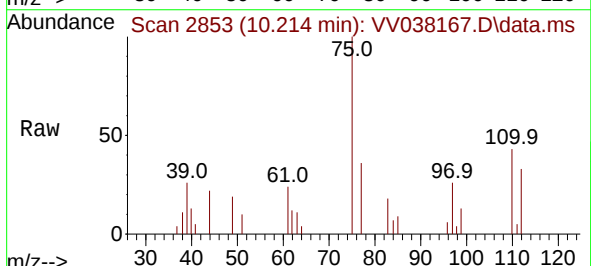
Instrument :  
MSVOA\_V  
ClientSampleId :



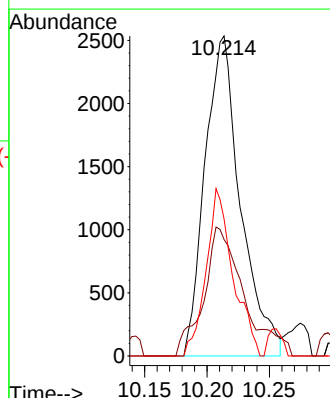
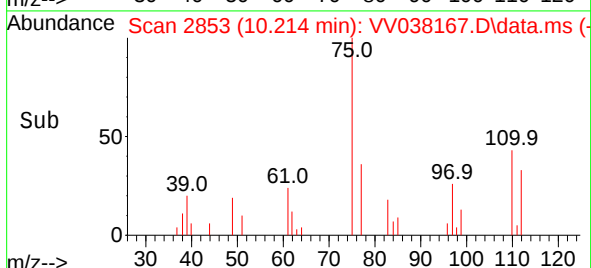
Tgt Ion:105 Resp: 28843  
Ion Ratio Lower Upper  
105 100  
120 27.2 20.8 31.2  
77 17.7 12.2 18.2

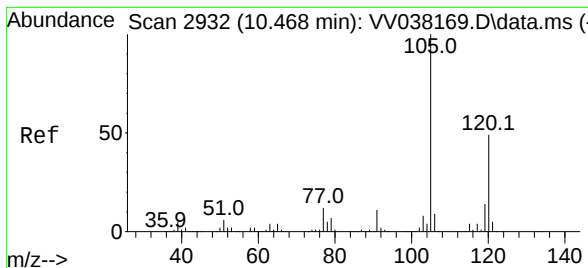


#61  
1,2,3-Trichloropropane  
Concen: 0.389 ug/L  
RT: 10.214 min Scan# 2853  
Delta R.T. 0.013 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16



Tgt Ion: 75 Resp: 5035  
Ion Ratio Lower Upper  
75 100  
77 45.3 26.4 39.6#  
110 39.5 32.3 48.5

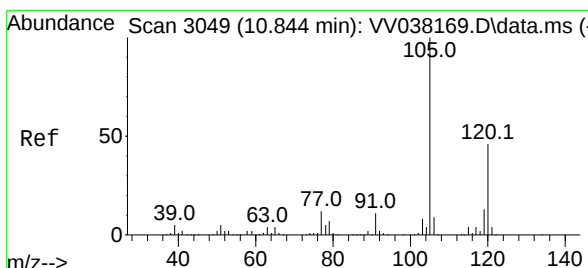
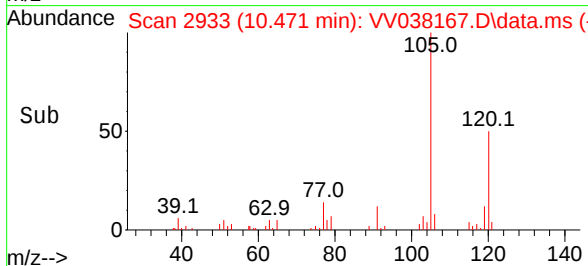
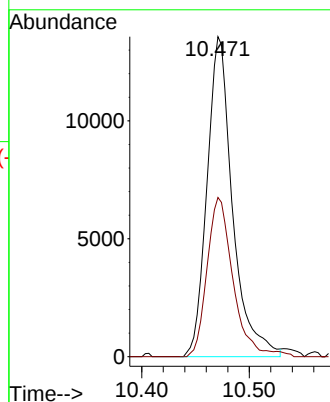
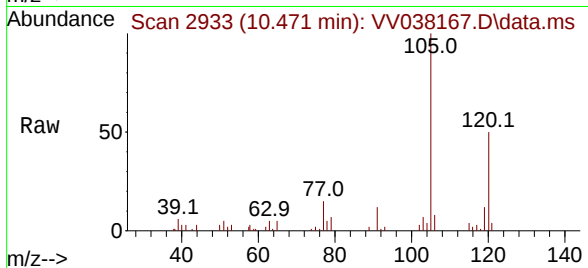




#62  
1,3,5-Trimethylbenzene  
Concen: 0.324 ug/L  
RT: 10.471 min Scan# 2933  
Delta R.T. 0.003 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

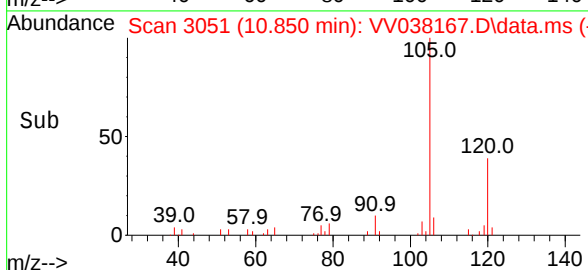
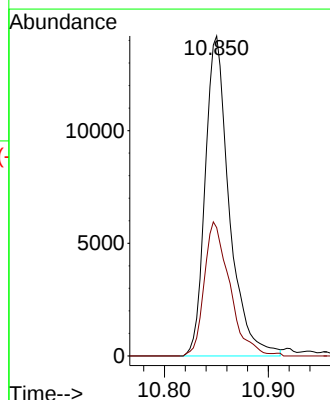
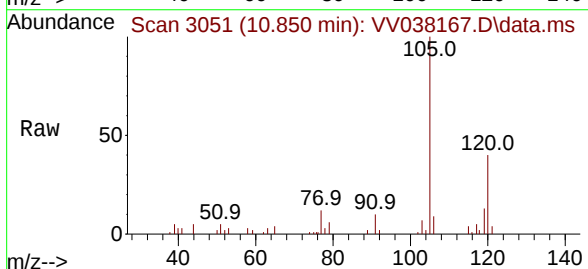
Instrument :  
MSVOA\_V  
ClientSampleId :

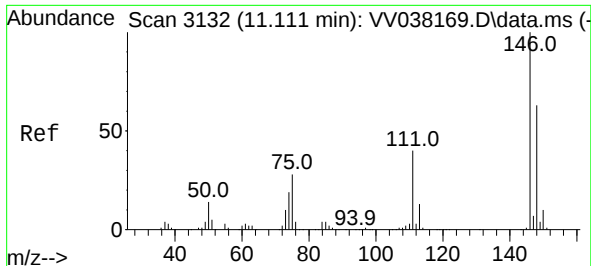
Tgt Ion:105 Resp: 22356  
Ion Ratio Lower Upper  
105 100  
120 50.7 39.2 58.8



#63  
1,2,4-Trimethylbenzene  
Concen: 0.331 ug/L  
RT: 10.850 min Scan# 3051  
Delta R.T. 0.006 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

Tgt Ion:105 Resp: 22823  
Ion Ratio Lower Upper  
105 100  
120 44.3 37.0 55.4





#64

1,3-Dichlorobenzene

Concen: 0.385 ug/L

RT: 11.117 min Scan# 3132

Delta R.T. 0.006 min

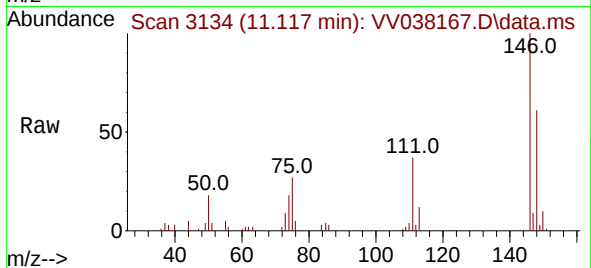
Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

Instrument :

MSVOA\_V

ClientSampleId :



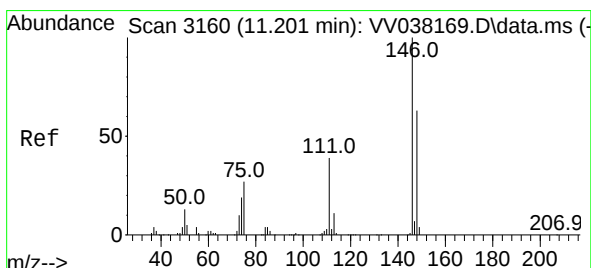
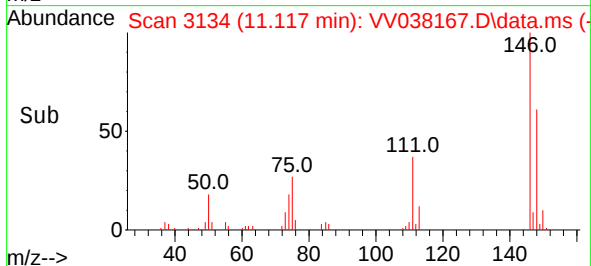
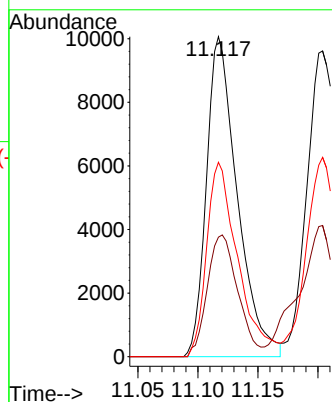
Tgt Ion:146 Resp: 17989

Ion Ratio Lower Upper

146 100

111 37.3 28.2 52.4

148 60.7 44.2 82.2



#65

1,4-Dichlorobenzene

Concen: 0.405 ug/L

RT: 11.204 min Scan# 3161

Delta R.T. 0.003 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

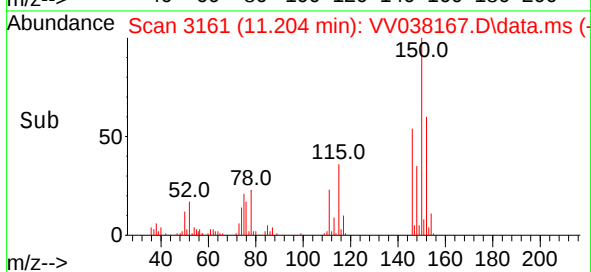
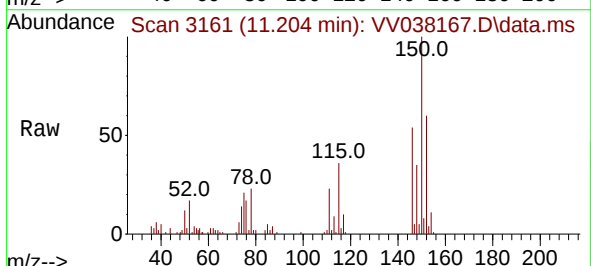
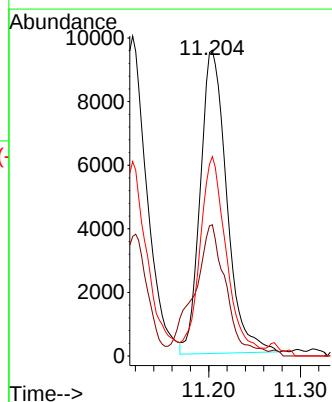
Tgt Ion:146 Resp: 19115

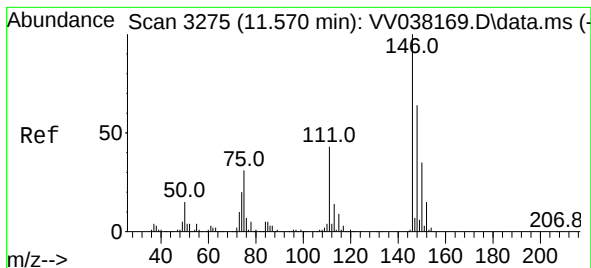
Ion Ratio Lower Upper

146 100

111 42.9 27.4 50.8

148 65.2 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 0.366 ug/L

RT: 11.577 min Scan# 3275

Delta R.T. 0.006 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

Instrument :

MSVOA\_V

ClientSampleId :

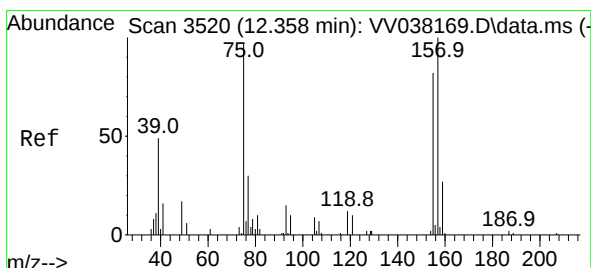
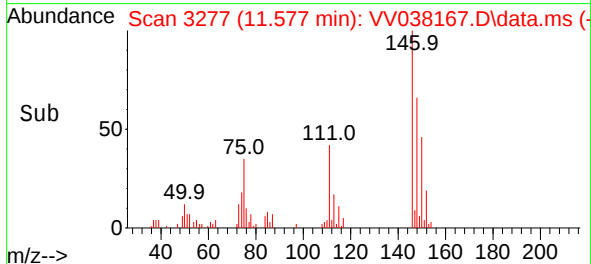
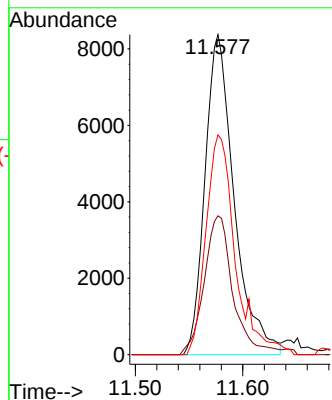
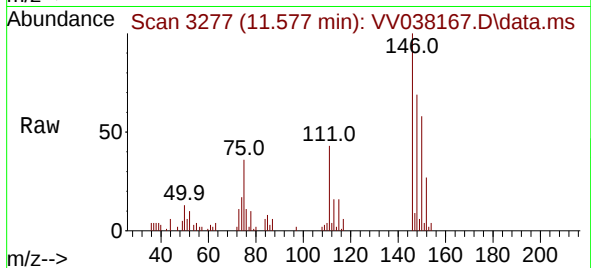
Tgt Ion:146 Resp: 15832

Ion Ratio Lower Upper

146 100

111 43.4 34.2 51.2

148 68.7 51.0 76.4



#68

1,2-Dibromo-3-chloropropane

Concen: 0.372 ug/L

RT: 12.371 min Scan# 3524

Delta R.T. 0.013 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

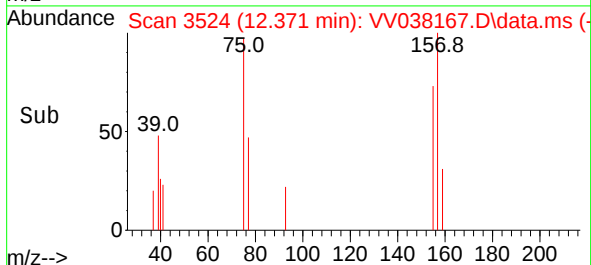
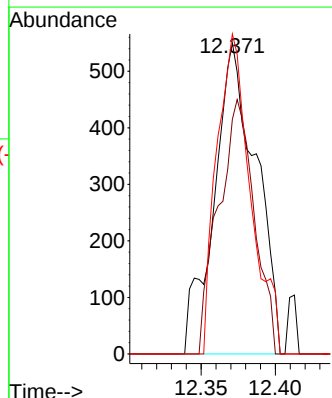
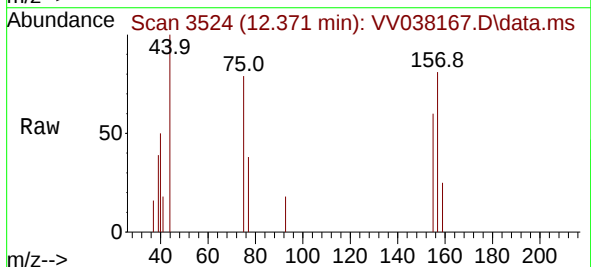
Tgt Ion: 75 Resp: 1080

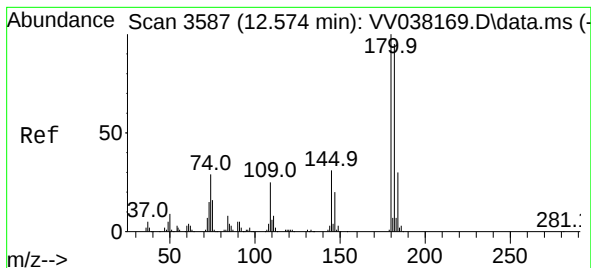
Ion Ratio Lower Upper

75 100

155 75.5 67.5 101.3

157 102.9 82.7 124.1





#69

1,3,5-Trichlorobenzene

Concen: 0.344 ug/L

RT: 12.580 min Scan# 3589

Delta R.T. 0.006 min

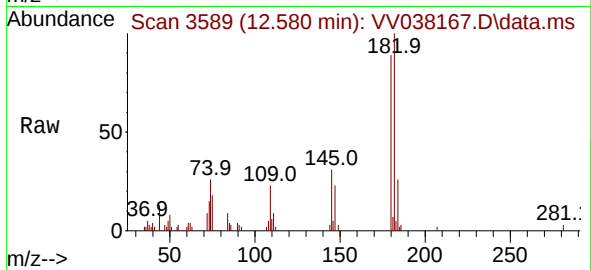
Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 11376

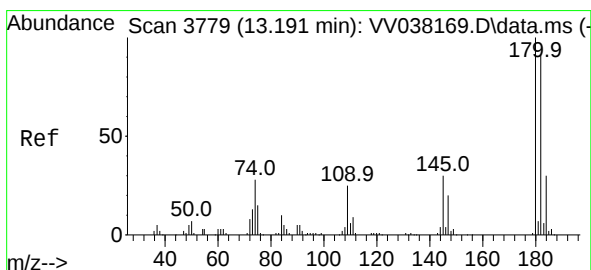
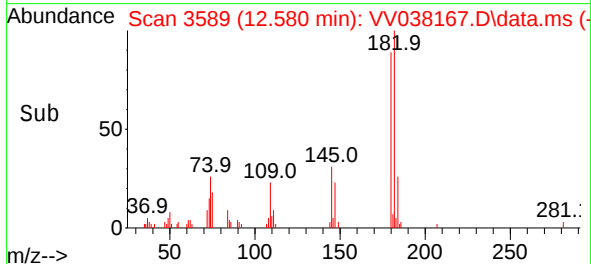
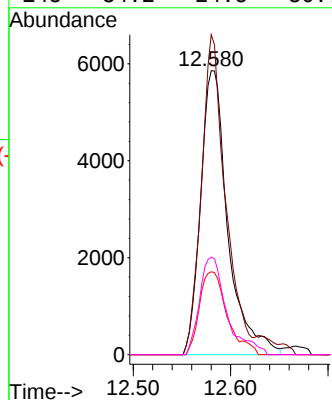
Ion Ratio Lower Upper

180 100

182 99.4 76.0 114.0

184 29.6 23.7 35.5

145 34.2 24.5 36.7



#70

1,2,4-trichlorobenzene

Concen: 0.267 ug/L

RT: 13.201 min Scan# 3782

Delta R.T. 0.010 min

Lab File: VV038167.D

Acq: 19 Nov 2024 09:16

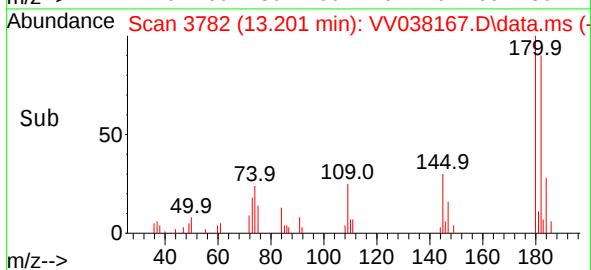
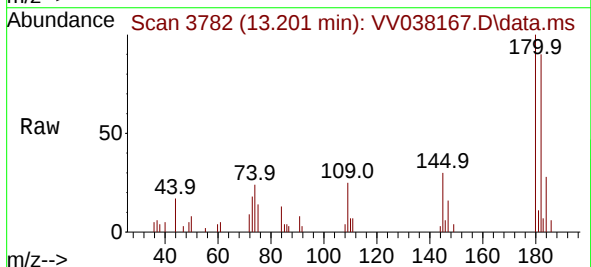
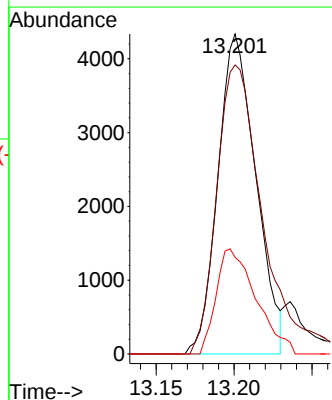
Tgt Ion:180 Resp: 7318

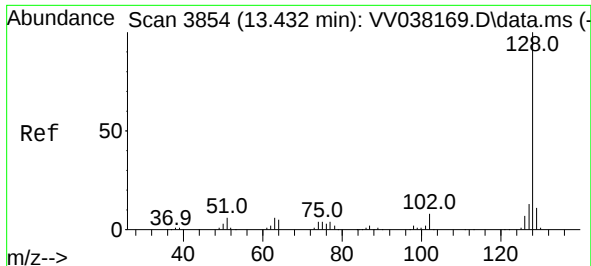
Ion Ratio Lower Upper

180 100

182 110.0 73.8 110.8

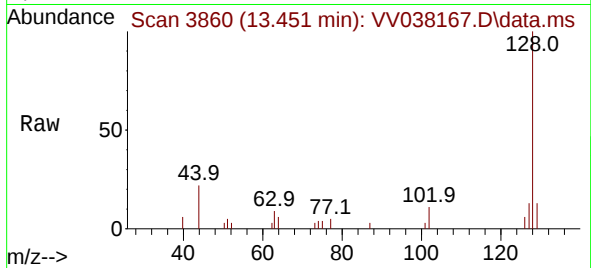
145 34.6 24.6 37.0



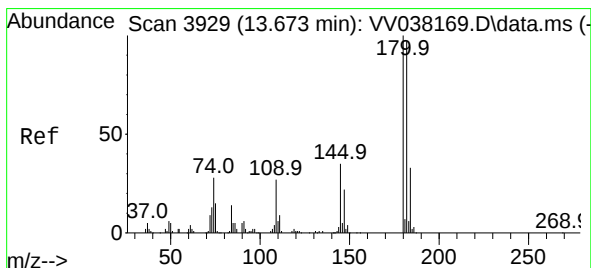
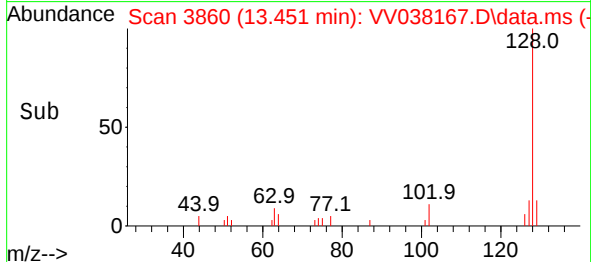
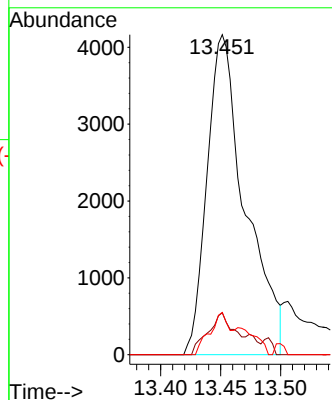


#71  
Naphthalene  
Concen: 0.217 ug/L  
RT: 13.451 min Scan# 3930  
Delta R.T. 0.019 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:128 Resp: 9219  
Ion Ratio Lower Upper  
128 100  
129 9.3 8.5 12.7  
127 7.1 10.1 15.1#



#72  
1,2,3-Trichlorobenzene  
Concen: 0.267 ug/L  
RT: 13.676 min Scan# 3930  
Delta R.T. 0.003 min  
Lab File: VV038167.D  
Acq: 19 Nov 2024 09:16

Tgt Ion:180 Resp: 6761  
Ion Ratio Lower Upper  
180 100  
182 91.2 75.1 112.7  
145 30.2 27.0 40.4

