

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW091722\  
 Data File : VW027901.D  
 Acq On : 17 Sep 2022 15:06  
 Operator : SY/MD  
 Sample : VSTD010  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 19 02:04:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 17 15:50:20 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units       | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|-------------|----------|
| -----                         |        |       |          |          |             |          |
| Internal Standards            |        |       |          |          |             |          |
| 1) 1,4-Difluorobenzene        | 5.612  | 114   | 203556   | 5.000    | ug/L        | 0.02     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 202796   | 5.000    | ug/L        | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.246 | 152   | 118660   | 5.000    | ug/L        | 0.00     |
| System Monitoring Compounds   |        |       |          |          |             |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 154885   | 9.532    | ug/L        | 0.00     |
| 7) Chloroethane-d5            | 1.564  | 69    | 112505   | 9.794    | ug/L        | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 264163   | 10.333   | ug/L        | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | = 206.600%# |          |
| 20) 2-Butanone-d5             | 3.883  | 46    | 266698   | 103.501  | ug/L        | -0.06    |
| 24) Chloroform-d              | 4.342  | 84    | 291377   | 9.727    | ug/L        | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.027  | 65    | 144347   | 9.610    | ug/L        | 0.00     |
| 32) Benzene-d6                | 5.043  | 84    | 547779   | 9.795    | ug/L        | 0.01     |
| 36) 1,2-Dichloropropane-d6    | 6.066  | 67    | 141062   | 9.654    | ug/L        | 0.02     |
| 41) Toluene-d8                | 7.310  | 98    | 520966   | 10.063   | ug/L        | -0.01    |
| 43) trans-1,3-Dichloroprop... | 7.619  | 79    | 63601    | 10.169   | ug/L        | -0.02    |
| 46) 2-Hexanone-d5             | 8.085  | 63    | 228873   | 110.333  | ug/L        | -0.03    |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 99296    | 9.824    | ug/L        | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 191566   | 9.222    | ug/L        | 0.00     |
| Target Compounds              |        |       |          |          |             |          |
|                               |        |       |          |          | Qvalue      |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 160571   | 9.829    | ug/L        | 97       |
| 3) Chloromethane              | 1.236  | 50    | 123073   | 9.527    | ug/L        | 99       |
| 5) Vinyl chloride             | 1.307  | 62    | 140421   | 9.611    | ug/L        | 99       |
| 6) Bromomethane               | 1.519  | 94    | 77044    | 9.787    | ug/L        | 99       |
| 8) Chloroethane               | 1.584  | 64    | 81578    | 9.790    | ug/L        | 98       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 235708   | 9.692    | ug/L        | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101   | 122389   | 10.472   | ug/L        | 93       |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 112810   | 10.113   | ug/L        | 87       |
| 13) Acetone                   | 2.179  | 43    | 173313   | 100.725  | ug/L        | 86       |
| 14) Carbon disulfide          | 2.291  | 76    | 273755   | 10.167   | ug/L        | 99       |
| 15) Methyl Acetate            | 2.433  | 43    | 37335    | 9.574    | ug/L #      | 82       |
| 16) Methylene chloride        | 2.503  | 84    | 132987   | 9.216    | ug/L        | 89       |
| 17) Methyl tert-butyl Ether   | 2.764  | 73    | 293343   | 10.213   | ug/L        | 97       |
| 18) trans-1,2-Dichloroethene  | 2.754  | 96    | 122397   | 9.736    | ug/L        | 91       |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 231706   | 9.847    | ug/L        | 100      |
| 21) 2-Butanone                | 3.963  | 43    | 253529   | 109.286  | ug/L        | 93       |
| 22) cis-1,2-Dichloroethene    | 3.905  | 96    | 143914   | 10.175   | ug/L #      | 89       |
| 23) Bromochloromethane        | 4.243  | 128   | 62221    | 9.628    | ug/L #      | 83       |
| 25) Chloroform                | 4.368  | 83    | 276816   | 9.807    | ug/L        | 99       |
| 27) 1,2-Dichloroethane        | 5.124  | 62    | 155733   | 9.754    | ug/L        | 99       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97    | 259090   | 9.775    | ug/L        | 97       |
| 30) Cyclohexane               | 4.674  | 56    | 165754   | 10.195   | ug/L        | 92       |
| 31) Carbon tetrachloride      | 4.821  | 117   | 230631   | 9.818    | ug/L        | 100      |
| 33) Benzene                   | 5.095  | 78    | 527291   | 9.974    | ug/L        | 100      |
| 34) Trichloroethene           | 5.908  | 95    | 136769   | 9.576    | ug/L        | 91       |
| 35) Methylcyclohexane         | 6.127  | 83    | 203454   | 10.288   | ug/L        | 93       |
| 37) 1,2-Dichloropropane       | 6.169  | 63    | 117995   | 9.911    | ug/L        | 99       |
| 38) Bromodichloromethane      | 6.506  | 83    | 180768   | 9.730    | ug/L        | 97       |
| 39) cis-1,3-Dichloropropene   | 7.024  | 75    | 180580   | 10.081   | ug/L        | 100      |
| 40) 4-Methyl-2-pentanone      | 7.223  | 43    | 609319   | 105.339  | ug/L #      | 93       |
| 42) Toluene                   | 7.384  | 91    | 583324   | 10.049   | ug/L        | 100      |

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 Sample : VSTD010  
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 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 19 02:04:45 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR091722WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Sat Sep 17 15:50:20 2022  
 Response via : Initial Calibration

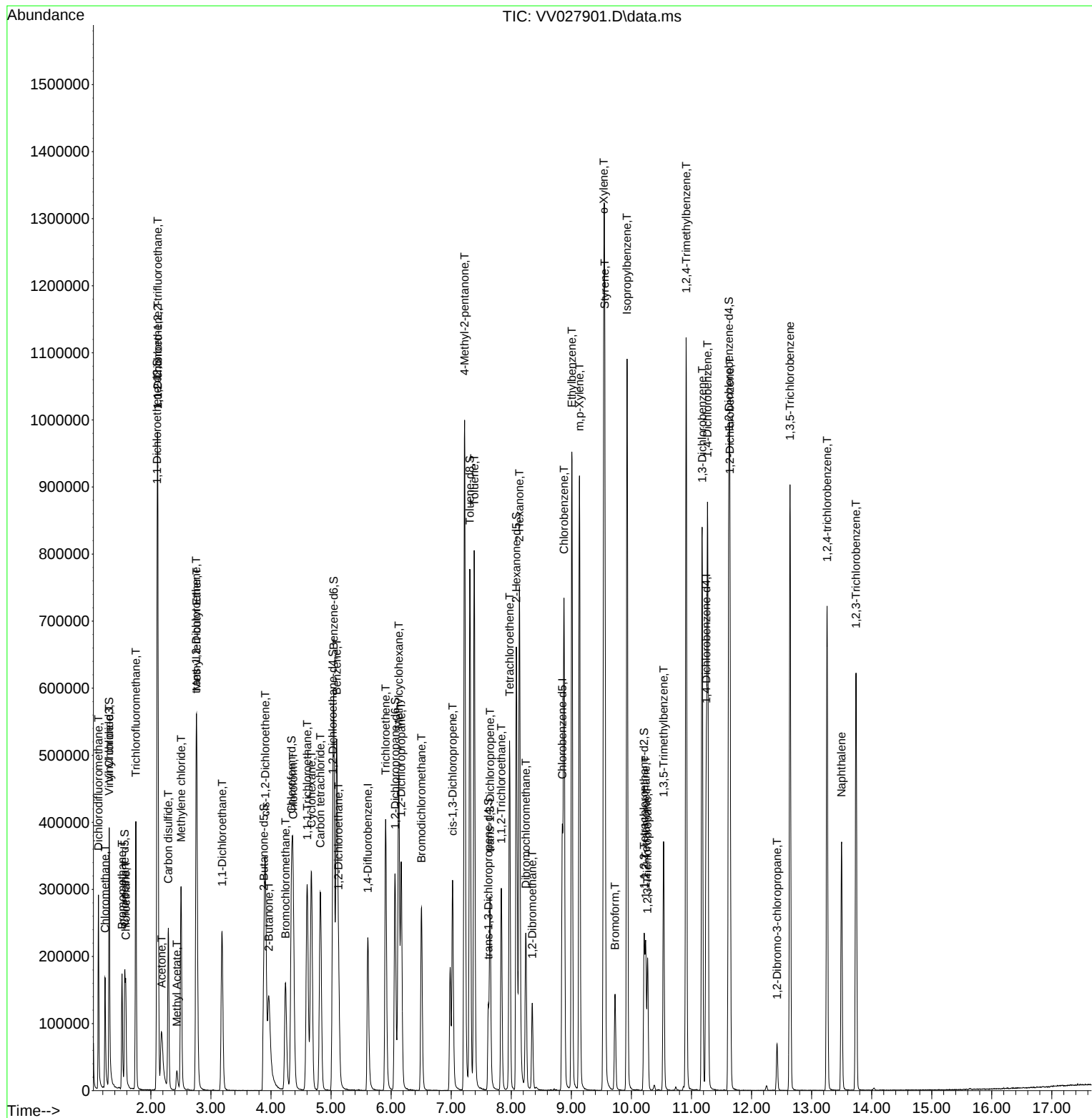
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 44) trans-1,3-Dichloropropene | 7.648  | 75   | 164194   | 10.374  | ug/L   | 100      |
| 45) 1,1,2-Trichloroethane     | 7.834  | 97   | 90551    | 9.794   | ug/L   | 97       |
| 47) Tetrachloroethene         | 7.972  | 164  | 118125   | 9.900   | ug/L   | 98       |
| 48) 2-Hexanone                | 8.136  | 43   | 444147   | 107.000 | ug/L   | 94       |
| 49) Dibromochloromethane      | 8.243  | 129  | 120162   | 9.908   | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.349  | 107  | 82153    | 9.910   | ug/L   | 100      |
| 51) Chlorobenzene             | 8.879  | 112  | 390523   | 9.830   | ug/L   | 99       |
| 52) Ethylbenzene              | 9.008  | 91   | 647537   | 10.250  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.136  | 106  | 257002   | 10.269  | ug/L   | 100      |
| 54) o-Xylene                  | 9.542  | 106  | 252767   | 10.396  | ug/L   | 99       |
| 55) Styrene                   | 9.558  | 104  | 440034   | 10.472  | ug/L   | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 92418    | 9.739   | ug/L   | 95       |
| 59) Bromoform                 | 9.728  | 173  | 64218    | 9.135   | ug/L # | 99       |
| 60) Isopropylbenzene          | 9.927  | 105  | 690624   | 9.971   | ug/L   | 99       |
| 61) 1,2,3-Trichloropropane    | 10.268 | 75   | 74696    | 9.167   | ug/L   | 96       |
| 62) 1,3,5-Trimethylbenzene    | 10.535 | 105  | 197616   | 9.742   | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.911 | 105  | 589024   | 10.329  | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 339786   | 9.662   | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 11.268 | 146  | 339696   | 9.532   | ug/L   | 98       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 308653   | 9.532   | ug/L   | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 16891    | 9.719   | ug/L   | 98       |
| 69) 1,3,5-Trichlorobenzene    | 12.641 | 180  | 276892   | 9.717   | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 221111   | 9.855   | ug/L   | 99       |
| 71) Naphthalene               | 13.500 | 128  | 301795   | 9.677   | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 193564   | 10.134  | ug/L   | 99       |

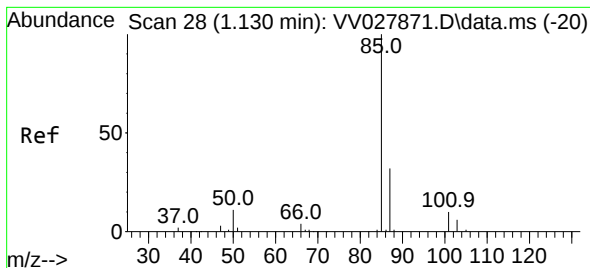
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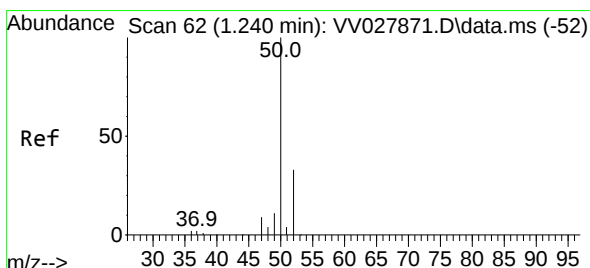
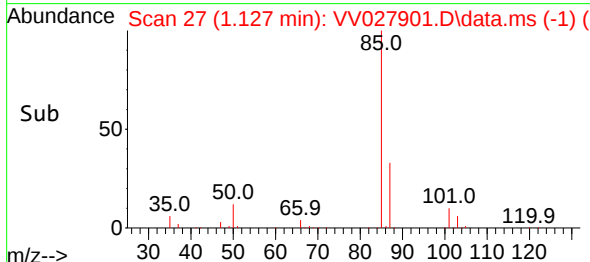
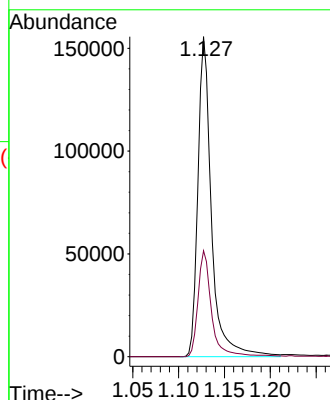
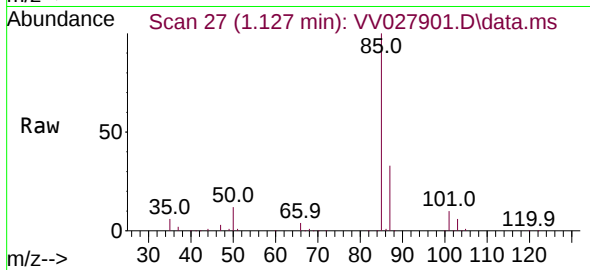




#2  
 Dichlorodifluoromethane  
 Concen: 9.829 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VV027901.D  
 Acq: 17 Sep 2022 15:06

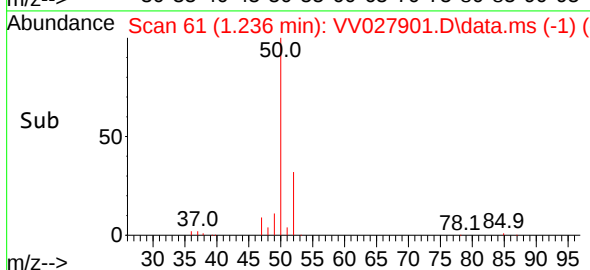
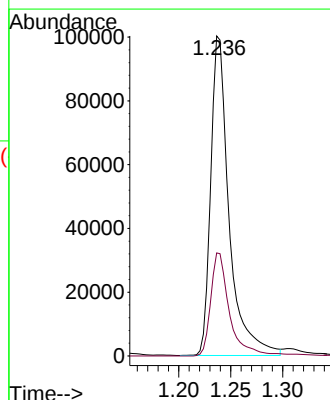
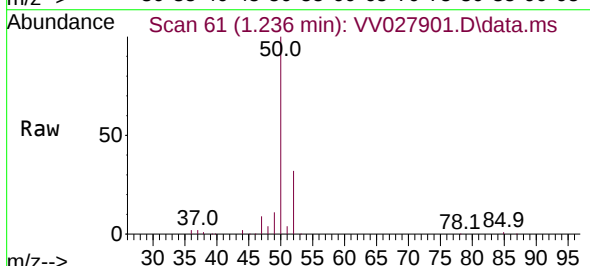
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 ClientSampleId :

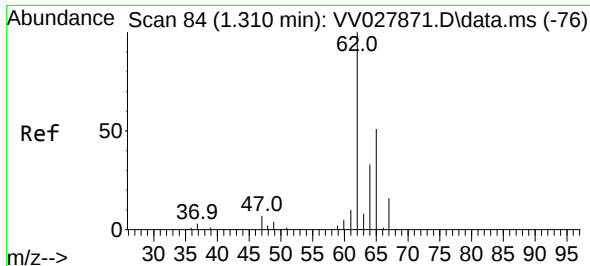
Tgt Ion: 85 Resp: 160571  
 Ion Ratio Lower Upper  
 85 100  
 87 33.2 25.4 38.0



#3  
 Chloromethane  
 Concen: 9.527 ug/L  
 RT: 1.236 min Scan# 61  
 Delta R.T. 0.006 min  
 Lab File: VV027901.D  
 Acq: 17 Sep 2022 15:06

Tgt Ion: 50 Resp: 123073  
 Ion Ratio Lower Upper  
 50 100  
 52 32.2 22.1 41.1

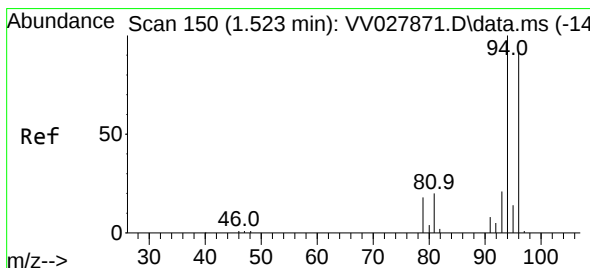
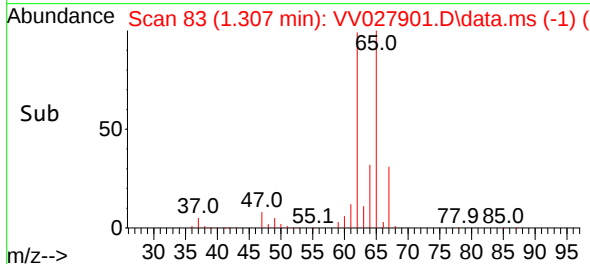
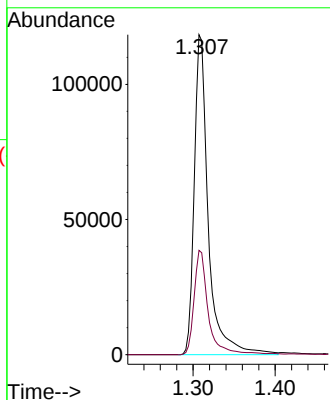
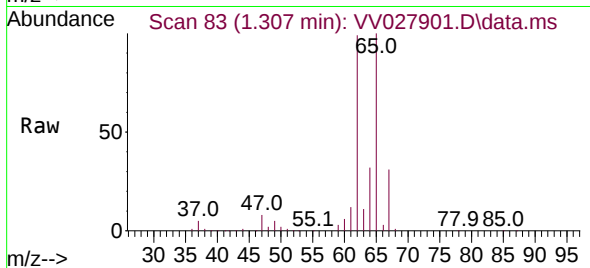




#5  
 Vinyl chloride  
 Concen: 9.611 ug/L  
 RT: 1.307 min Scan# 84  
 Delta R.T. 0.006 min  
 Lab File: VV027901.D  
 Acq: 17 Sep 2022 15:06

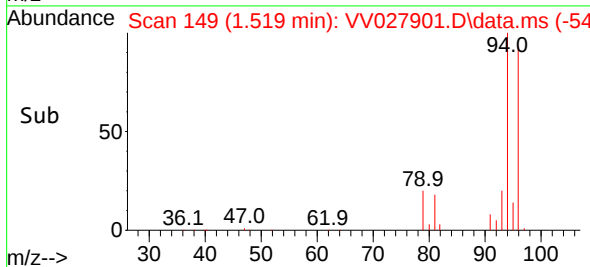
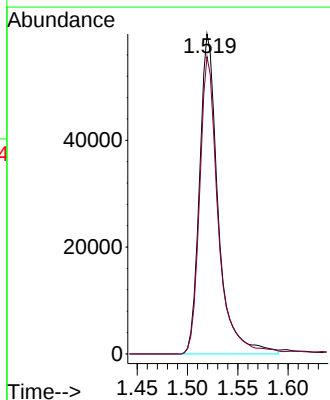
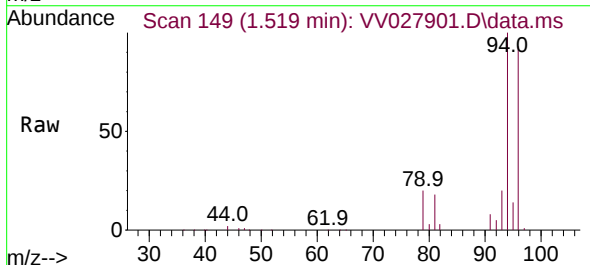
Instrument :  
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 ClientSampleId :

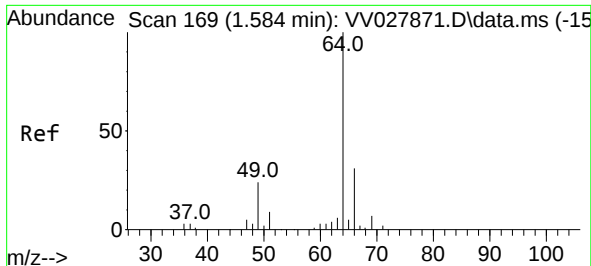
Tgt Ion: 62 Resp: 140421  
 Ion Ratio Lower Upper  
 62 100  
 64 32.6 23.2 43.2



#6  
 Bromomethane  
 Concen: 9.787 ug/L  
 RT: 1.519 min Scan# 149  
 Delta R.T. 0.006 min  
 Lab File: VV027901.D  
 Acq: 17 Sep 2022 15:06

Tgt Ion: 94 Resp: 77044  
 Ion Ratio Lower Upper  
 94 100  
 96 92.9 64.2 119.2

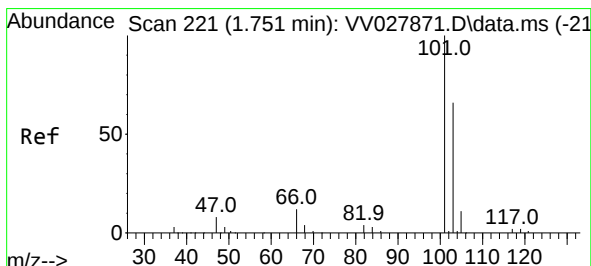
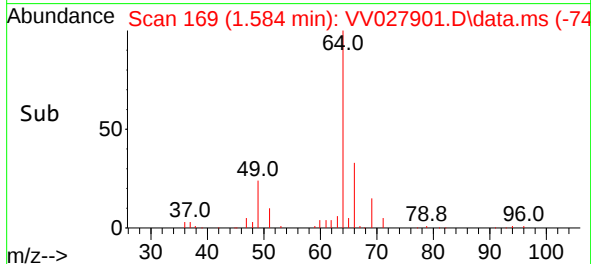
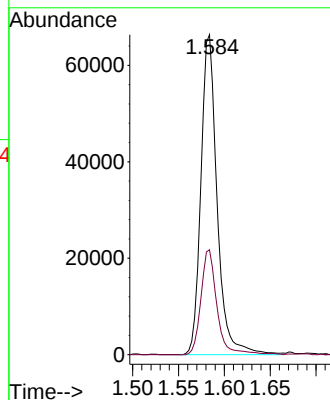
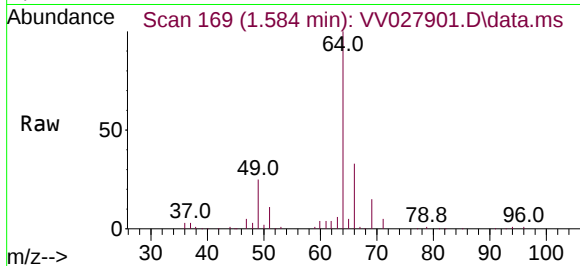




#8  
Chloroethane  
Concen: 9.790 ug/L  
RT: 1.584 min Scan# 169  
Delta R.T. 0.006 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

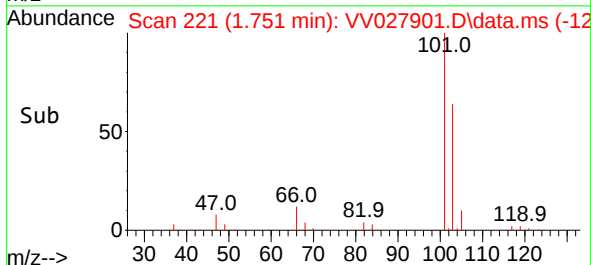
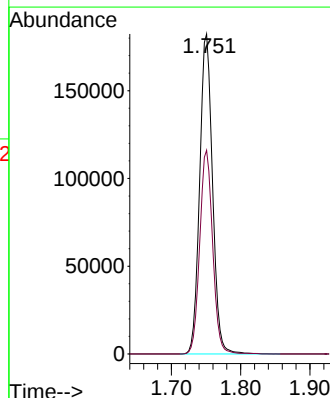
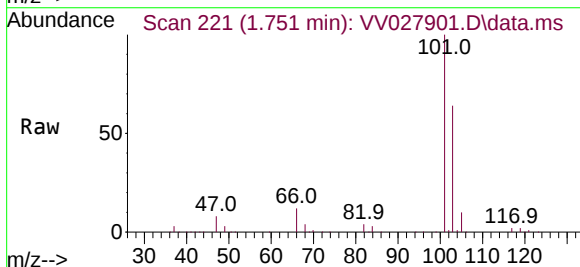
Instrument :  
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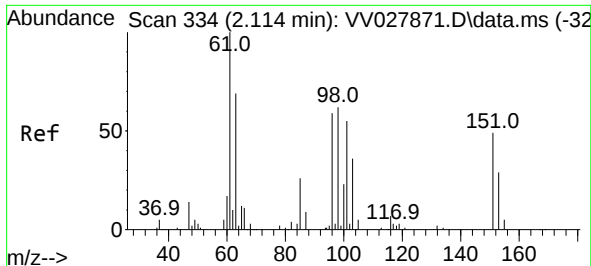
Tgt Ion: 64 Resp: 81578  
Ion Ratio Lower Upper  
64 100  
66 32.8 22.1 41.1



#9  
Trichlorofluoromethane  
Concen: 9.692 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.010 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

Tgt Ion:101 Resp: 235708  
Ion Ratio Lower Upper  
101 100  
103 64.2 52.3 78.5

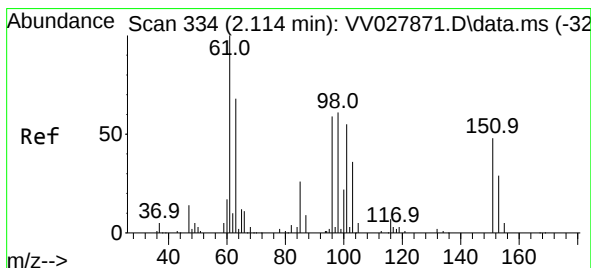
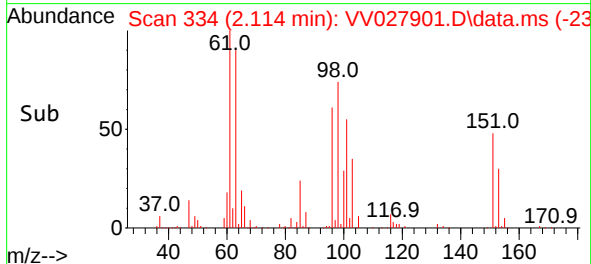
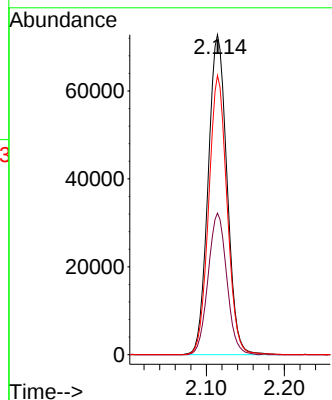
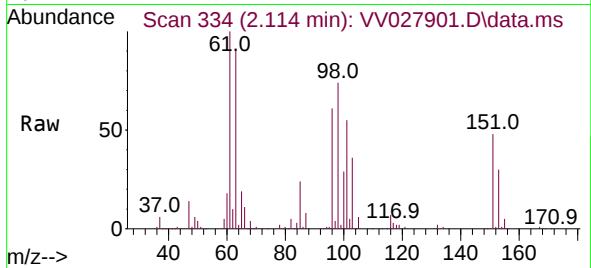




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 10.472 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. 0.010 min  
 Lab File: VV027901.D  
 Acq: 17 Sep 2022 15:06

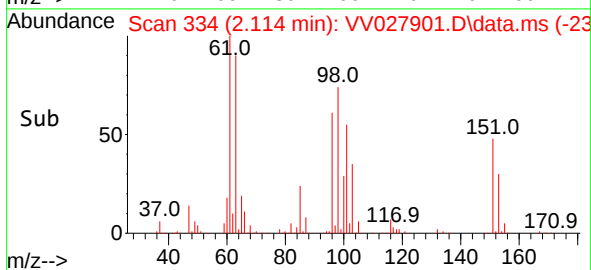
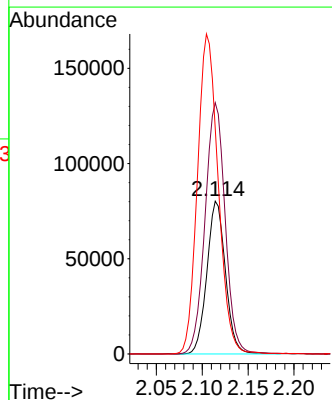
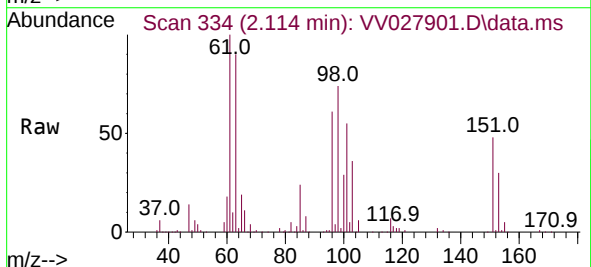
Instrument :  
 MSVOA\_V  
 ClientSampleId :

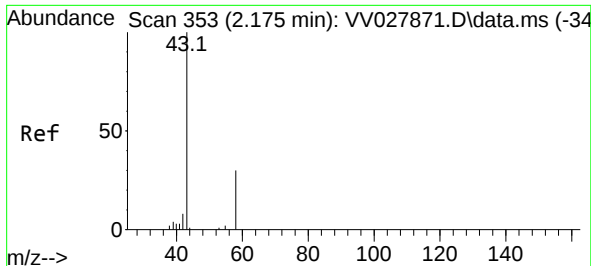
Tgt Ion:101 Resp: 122389  
 Ion Ratio Lower Upper  
 101 100  
 85 43.8 35.8 53.8  
 151 85.0 61.2 91.8



#12  
 1,1-Dichloroethene  
 Concen: 10.113 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. 0.006 min  
 Lab File: VV027901.D  
 Acq: 17 Sep 2022 15:06

Tgt Ion: 96 Resp: 112810  
 Ion Ratio Lower Upper  
 96 100  
 61 164.4 129.9 241.3  
 63 147.6 94.6 175.8





#13

Acetone

Concen: 100.725 ug/L

RT: 2.179 min Scan# 353

Delta R.T. -0.042 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Instrument :

MSVOA\_V

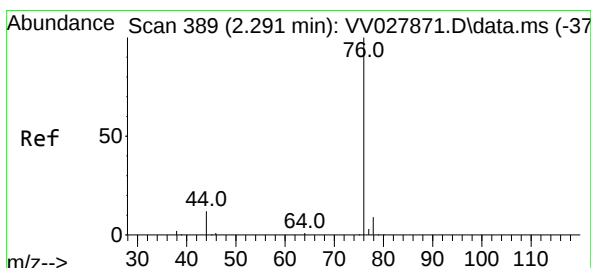
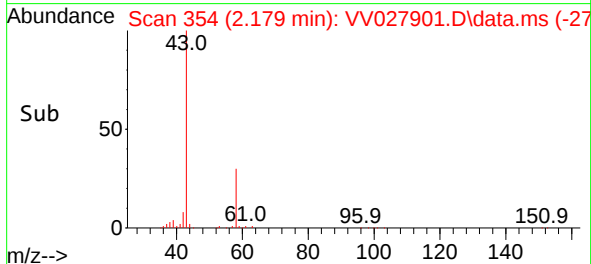
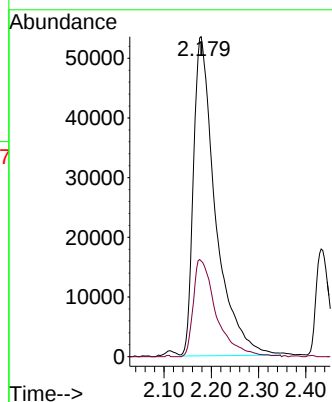
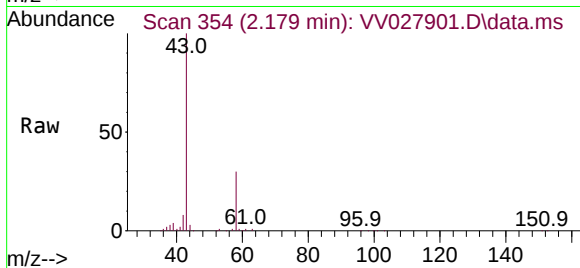
ClientSampleId :

Tgt Ion: 43 Resp: 173313

Ion Ratio Lower Upper

43 100

58 31.7 0.0 49.4



#14

Carbon disulfide

Concen: 10.167 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.010 min

Lab File: VV027901.D

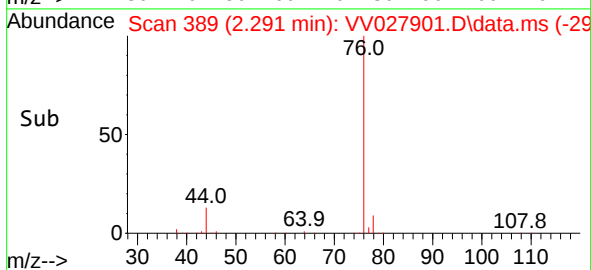
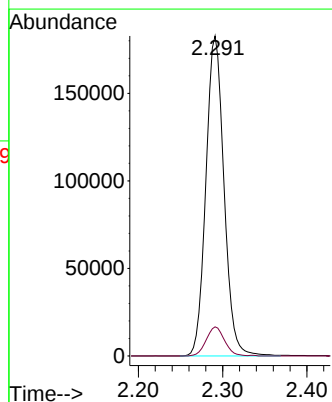
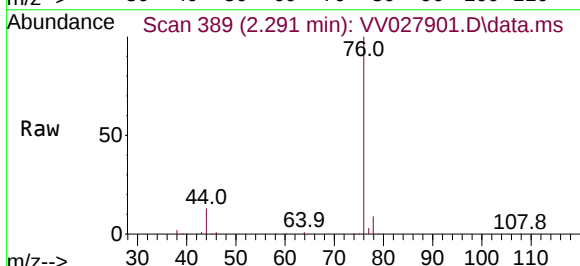
Acq: 17 Sep 2022 15:06

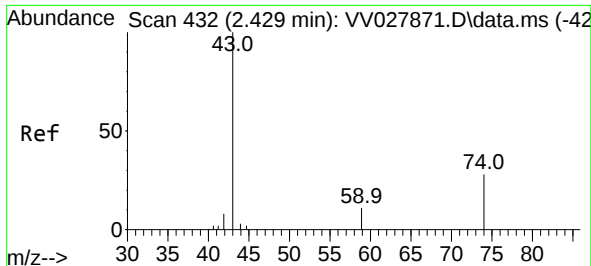
Tgt Ion: 76 Resp: 273755

Ion Ratio Lower Upper

76 100

78 9.1 7.7 11.5

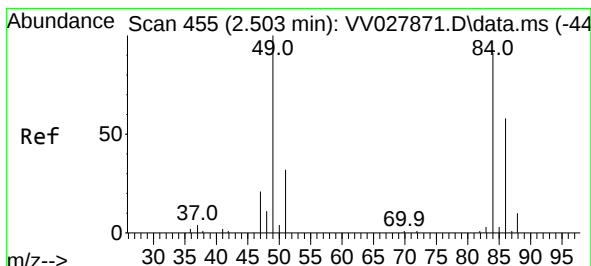
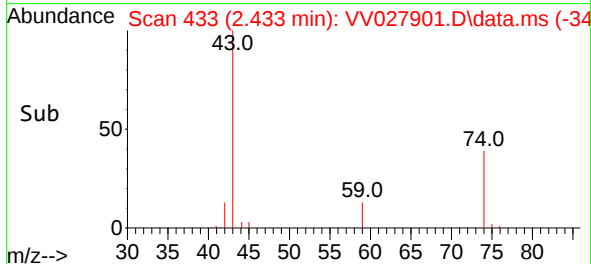
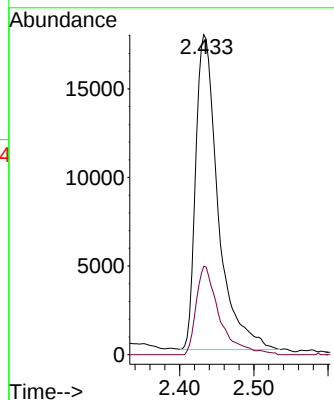
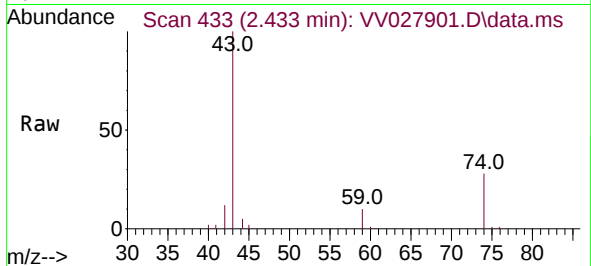




#15  
Methyl Acetate  
Concen: 9.574 ug/L  
RT: 2.433 min Scan# 41  
Delta R.T. -0.016 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

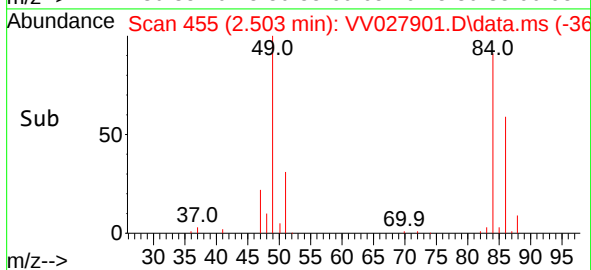
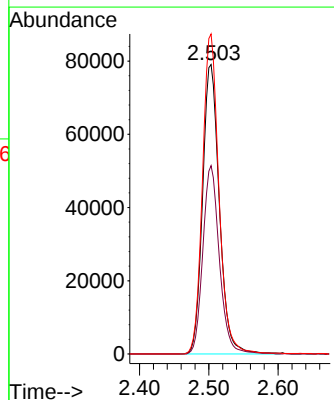
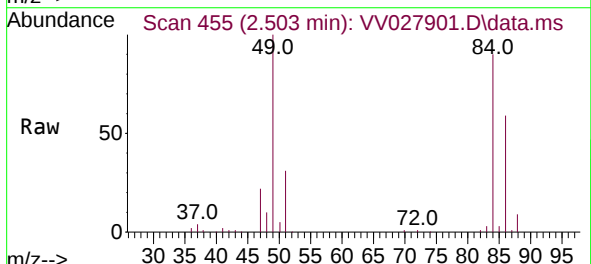
Instrument :  
MSVOA\_V  
ClientSampleId :

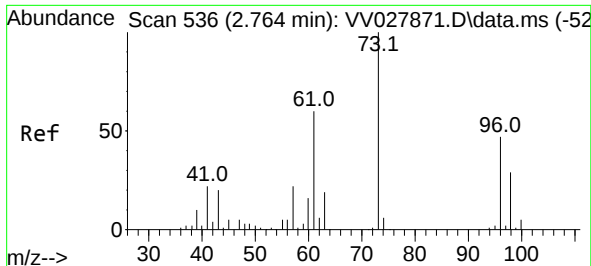
Tgt Ion: 43 Resp: 37335  
Ion Ratio Lower Upper  
43 100  
74 29.1 16.6 25.0#



#16  
Methylene chloride  
Concen: 9.216 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. 0.006 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

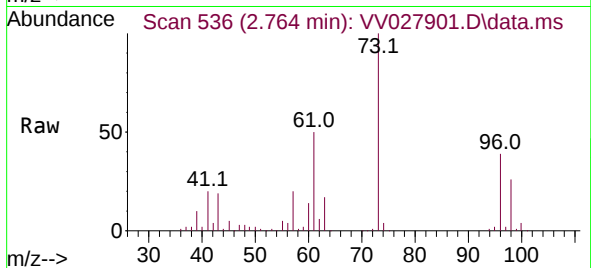
Tgt Ion: 84 Resp: 132987  
Ion Ratio Lower Upper  
84 100  
86 65.1 44.9 83.3  
49 110.6 90.1 167.3



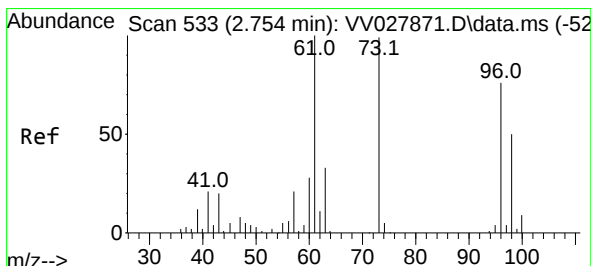
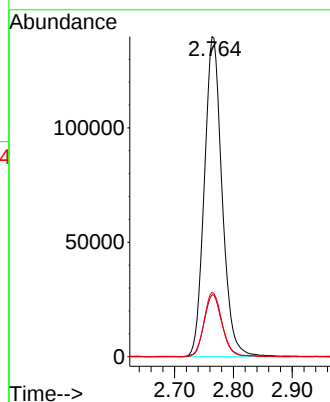
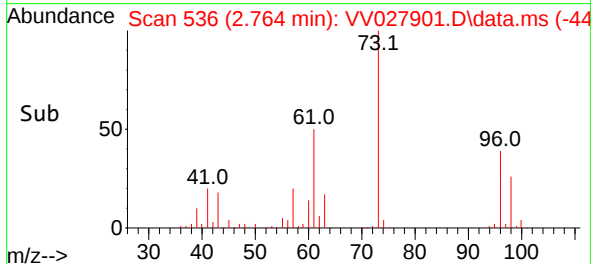


#17  
Methyl tert-butyl Ether  
Concen: 10.213 ug/L  
RT: 2.764 min Scan# 51  
Delta R.T. -0.016 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

Instrument :  
MSVOA\_V  
ClientSampleId :

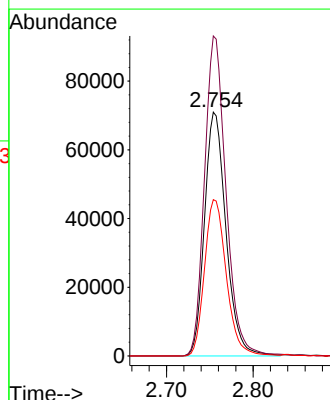
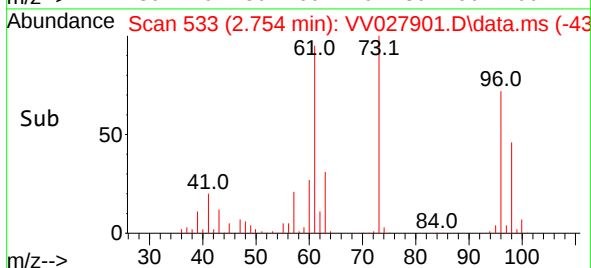
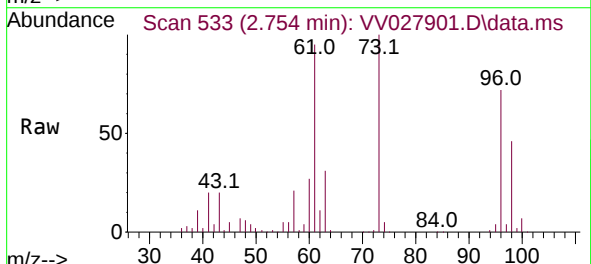


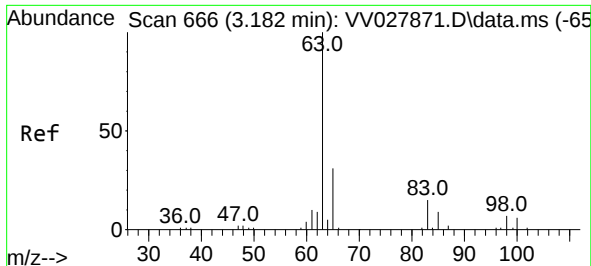
Tgt Ion: 73 Resp: 293343  
Ion Ratio Lower Upper  
73 100  
43 19.9 17.5 26.3  
57 20.3 16.9 25.3



#18  
trans-1,2-Dichloroethene  
Concen: 9.736 ug/L  
RT: 2.754 min Scan# 533  
Delta R.T. 0.003 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

Tgt Ion: 96 Resp: 122397  
Ion Ratio Lower Upper  
96 100  
61 131.2 102.6 190.5  
98 64.1 44.0 81.8





#19

1,1-Dichloroethane

Concen: 9.847 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Instrument :

MSVOA\_V

ClientSampleId :

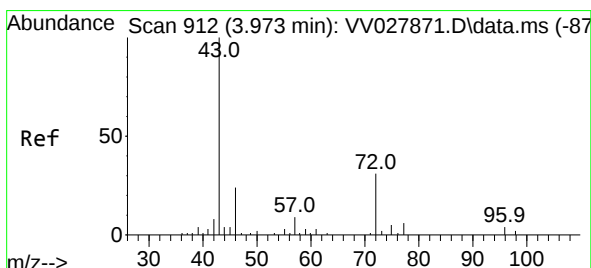
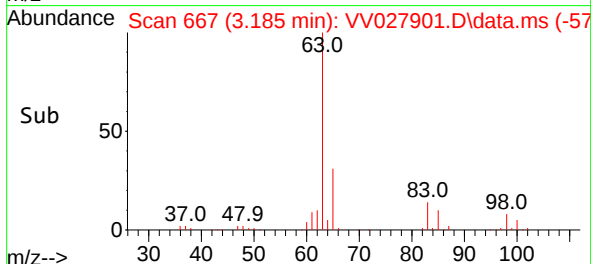
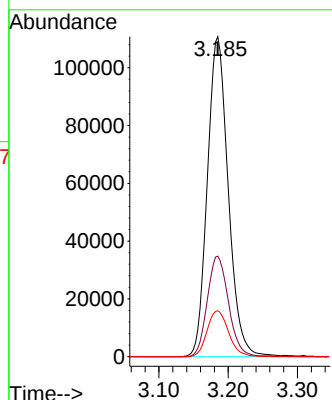
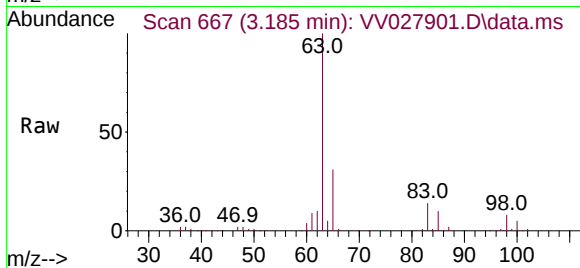
Tgt Ion: 63 Resp: 231706

Ion Ratio Lower Upper

63 100

65 31.4 22.0 41.0

83 14.3 10.1 18.9



#21

2-Butanone

Concen: 109.286 ug/L

RT: 3.963 min Scan# 909

Delta R.T. -0.067 min

Lab File: VV027901.D

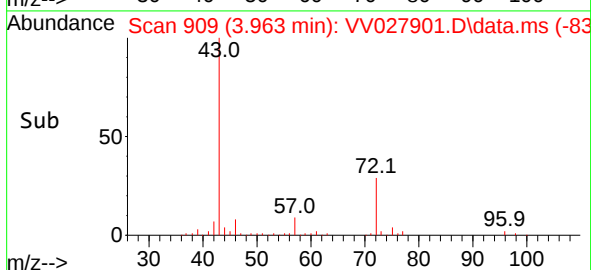
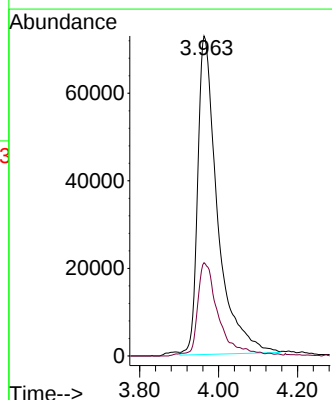
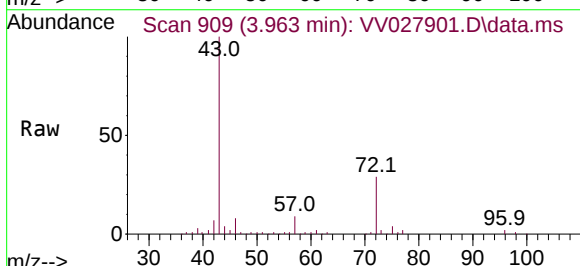
Acq: 17 Sep 2022 15:06

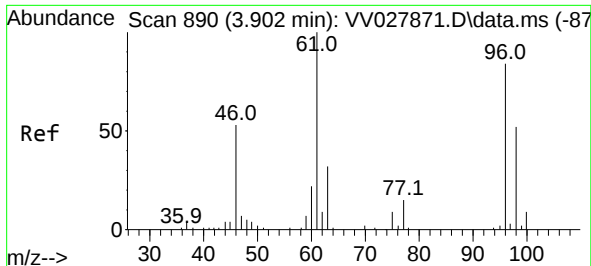
Tgt Ion: 43 Resp: 253529

Ion Ratio Lower Upper

43 100

72 29.4 13.0 39.0





#22

cis-1,2-Dichloroethene

Concen: 10.175 ug/L

RT: 3.905 min Scan# 891

Delta R.T. 0.003 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Instrument :

MSVOA\_V

ClientSampleId :

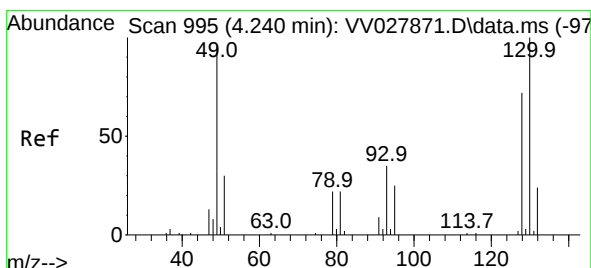
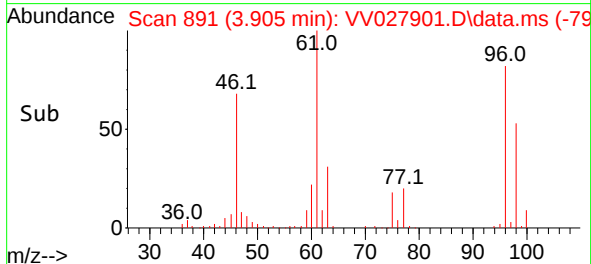
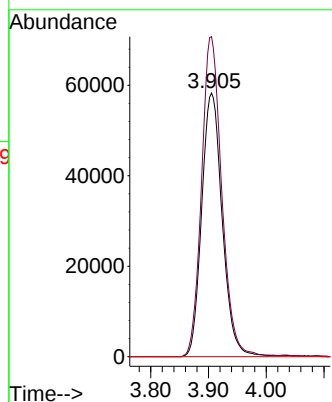
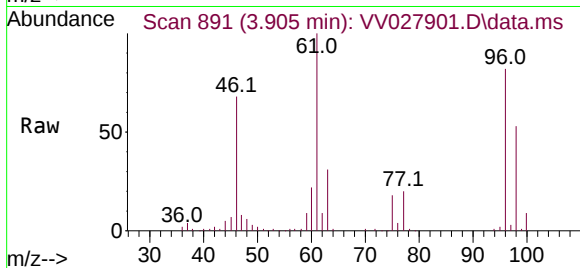
Tgt Ion: 96 Resp: 143914

Ion Ratio Lower Upper

96 100

61 121.4 94.6 175.6

68 0.0 0.3 0.5#



#23

Bromochloromethane

Concen: 9.628 ug/L

RT: 4.243 min Scan# 996

Delta R.T. 0.000 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Tgt Ion:128 Resp: 62221

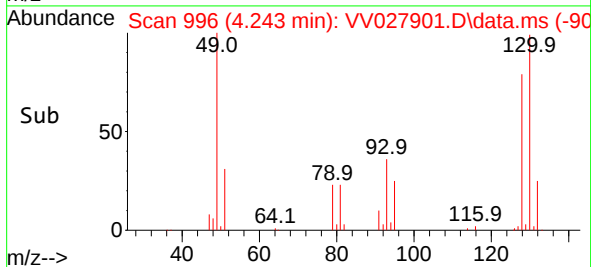
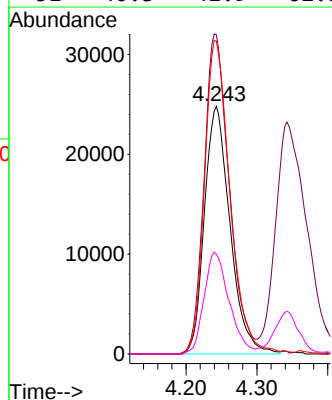
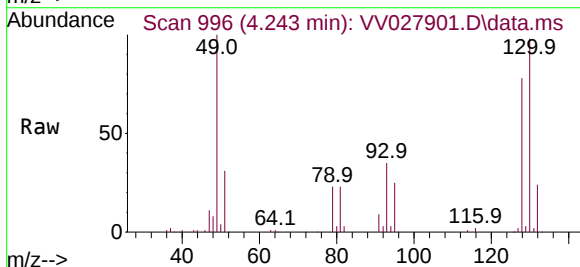
Ion Ratio Lower Upper

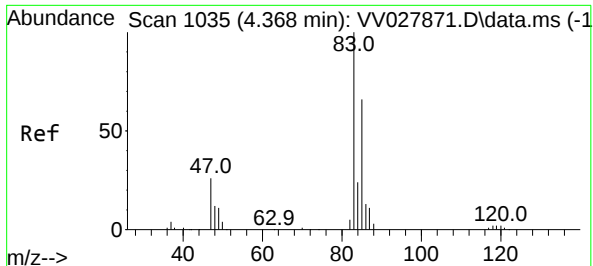
128 100

49 128.9 118.4 219.8

130 126.3 89.2 165.6

51 40.3 41.9 62.9#





#25

Chloroform

Concen: 9.807 ug/L

RT: 4.368 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Instrument :

MSVOA\_V

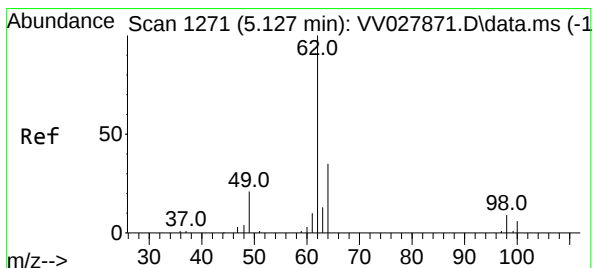
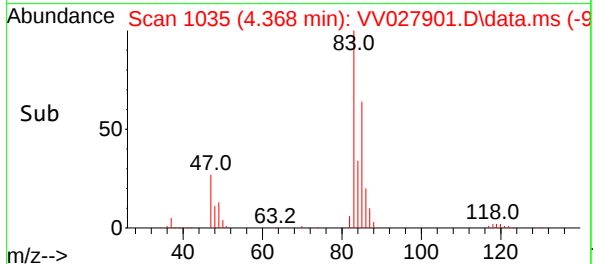
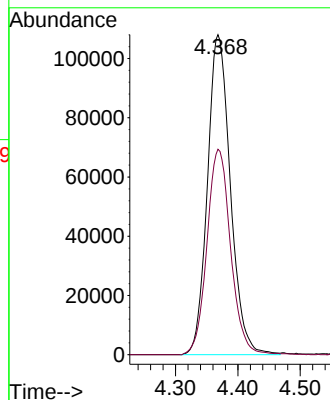
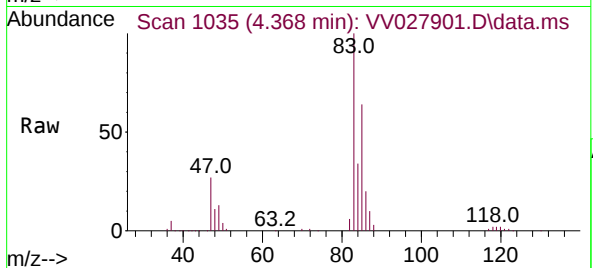
ClientSampleId :

Tgt Ion: 83 Resp: 276816

Ion Ratio Lower Upper

83 100

85 64.2 45.4 84.2



#27

1,2-Dichloroethane

Concen: 9.754 ug/L

RT: 5.124 min Scan# 1270

Delta R.T. 0.003 min

Lab File: VV027901.D

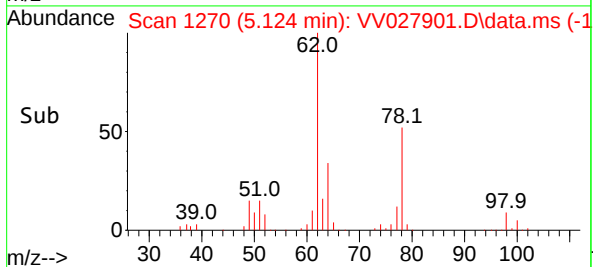
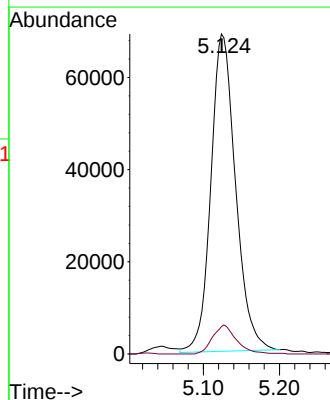
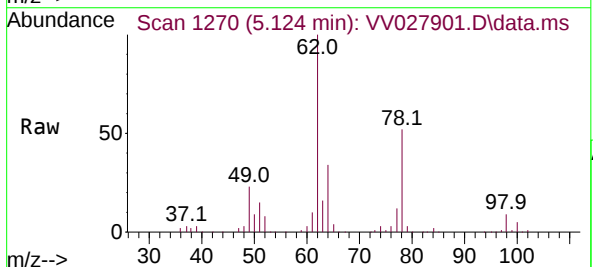
Acq: 17 Sep 2022 15:06

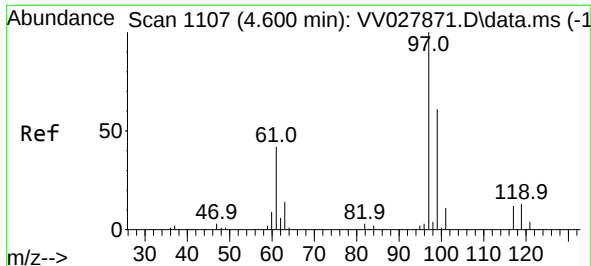
Tgt Ion: 62 Resp: 155733

Ion Ratio Lower Upper

62 100

98 8.5 7.1 10.7





#29

1,1,1-Trichloroethane

Concen: 9.775 ug/L

RT: 4.603 min Scan# 1107

Delta R.T. 0.010 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Instrument :

MSVOA\_V

ClientSampleId :

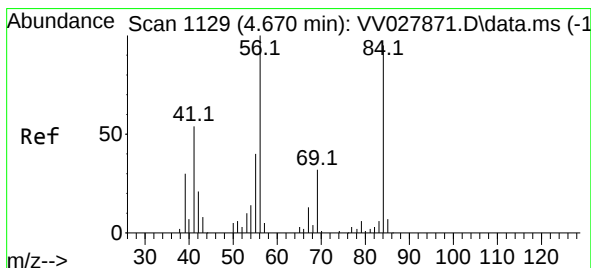
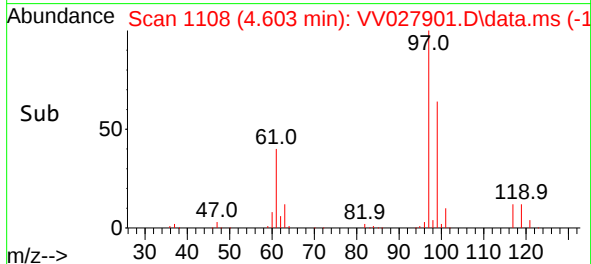
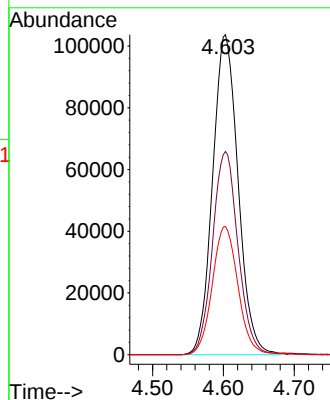
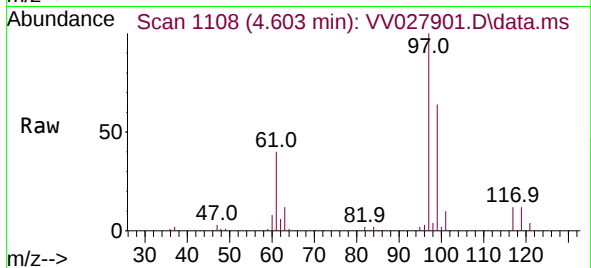
Tgt Ion: 97 Resp: 259090

Ion Ratio Lower Upper

97 100

99 63.6 50.8 76.2

61 40.6 36.2 54.4



#30

Cyclohexane

Concen: 10.195 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.023 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

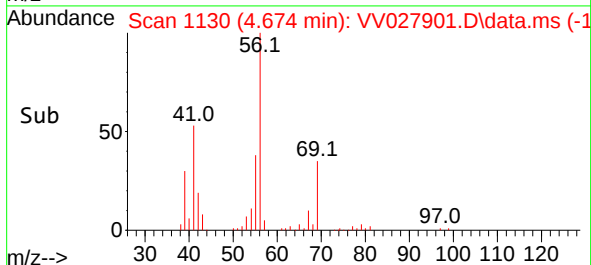
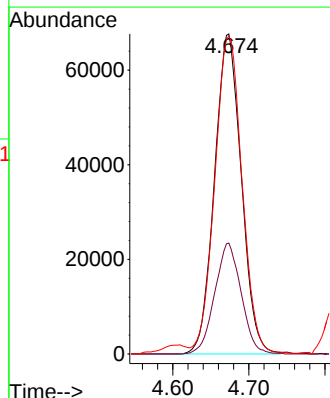
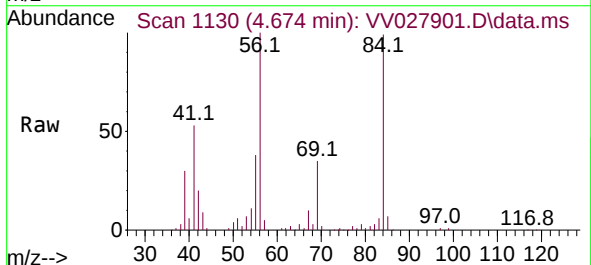
Tgt Ion: 56 Resp: 165754

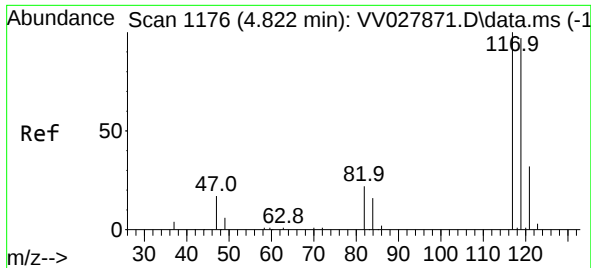
Ion Ratio Lower Upper

56 100

69 34.1 25.4 38.2

84 100.6 73.8 110.8

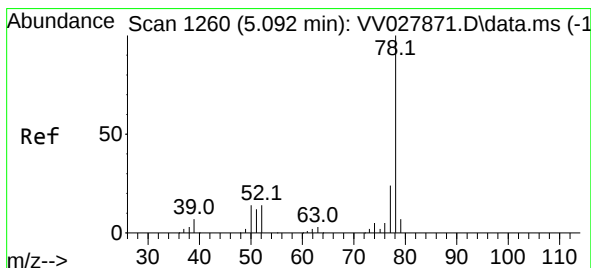
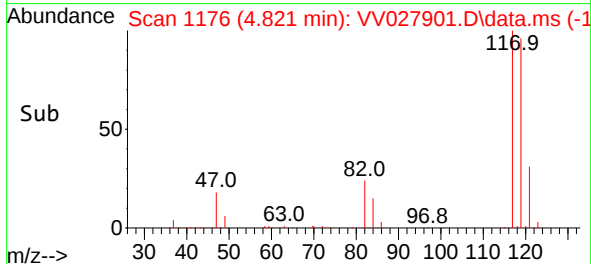
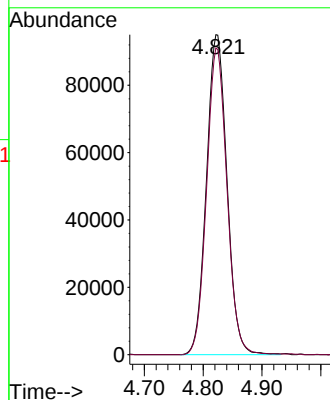
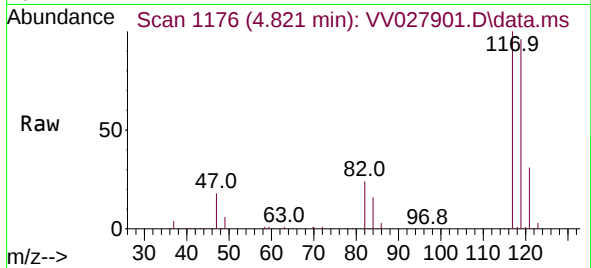




#31  
Carbon tetrachloride  
Concen: 9.818 ug/L  
RT: 4.821 min Scan# 1176  
Delta R.T. 0.016 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

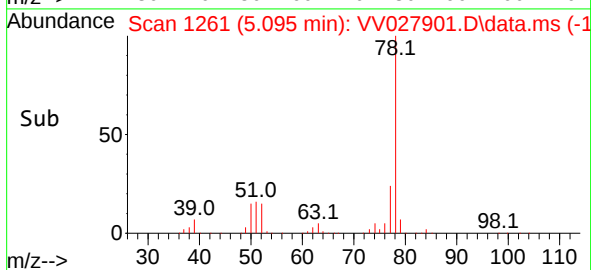
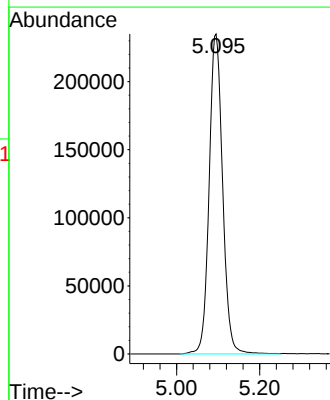
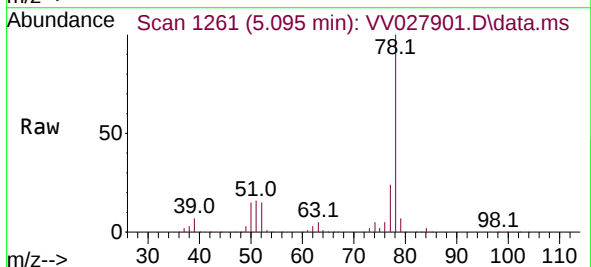
Instrument :  
MSVOA\_V  
ClientSampleId :

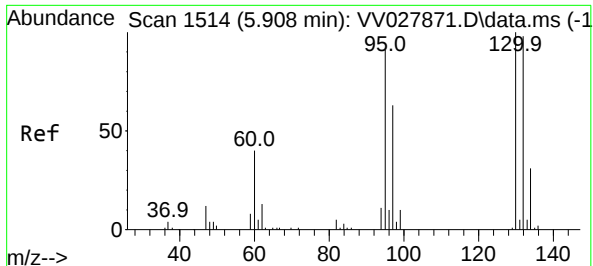
Tgt Ion:117 Resp: 230631  
Ion Ratio Lower Upper  
117 100  
119 94.8 75.8 113.8



#33  
Benzene  
Concen: 9.974 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. 0.016 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

Tgt Ion: 78 Resp: 527291





#34

Trichloroethene

Concen: 9.576 ug/L

RT: 5.908 min Scan# 1

Delta R.T. 0.029 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 95 Resp: 136769

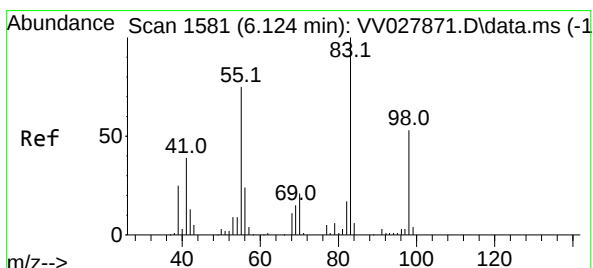
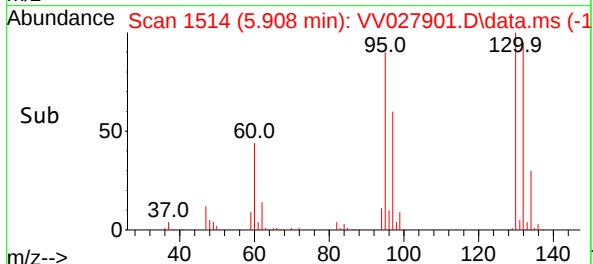
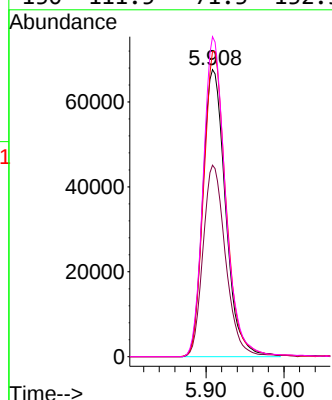
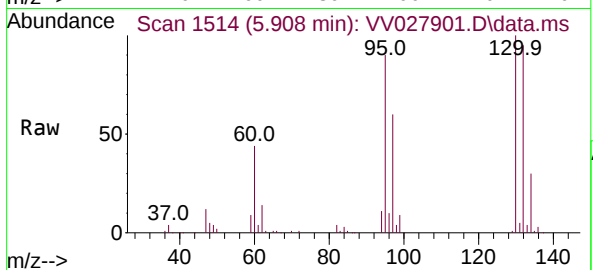
Ion Ratio Lower Upper

95 100

97 66.7 42.9 79.7

132 106.4 67.9 126.1

130 111.5 71.3 132.3



#35

Methylcyclohexane

Concen: 10.288 ug/L

RT: 6.127 min Scan# 1582

Delta R.T. 0.039 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

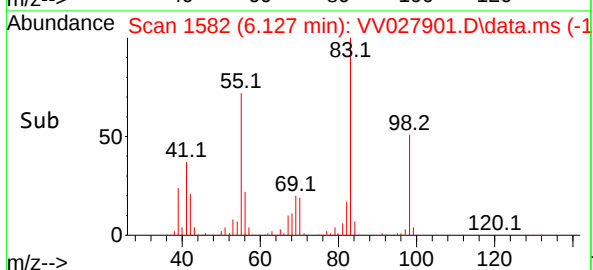
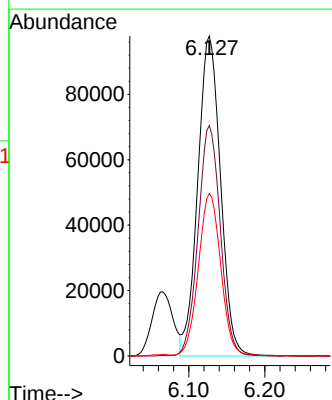
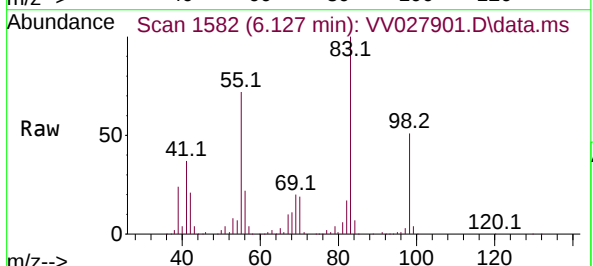
Tgt Ion: 83 Resp: 203454

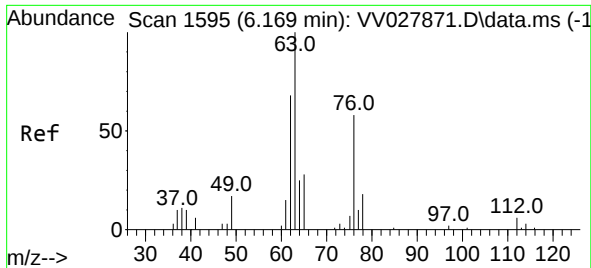
Ion Ratio Lower Upper

83 100

55 69.8 61.9 92.9

98 50.2 37.5 56.3





#37

1,2-Dichloropropane

Concen: 9.911 ug/L

RT: 6.169 min Scan# 11

Delta R.T. 0.016 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Instrument :

MSVOA\_V

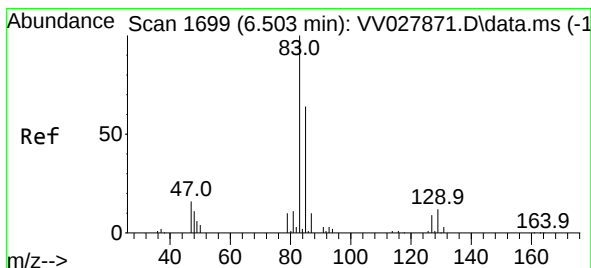
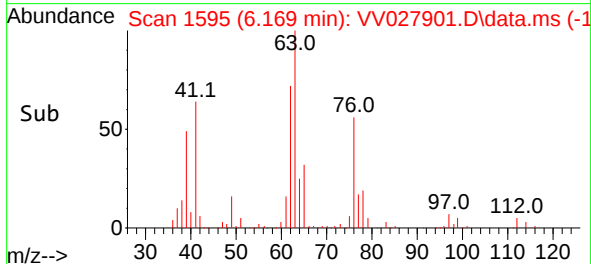
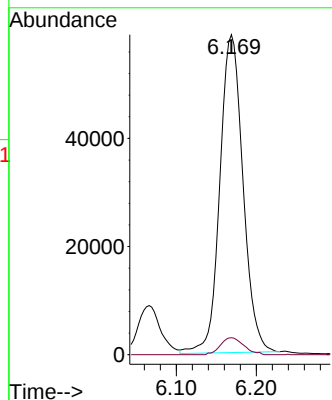
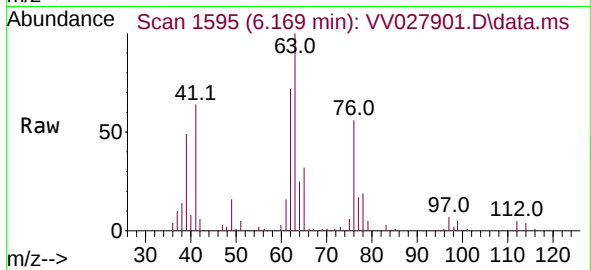
ClientSampleId :

Tgt Ion: 63 Resp: 117995

Ion Ratio Lower Upper

63 100

112 5.4 4.0 6.0



#38

Bromodichloromethane

Concen: 9.730 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.013 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

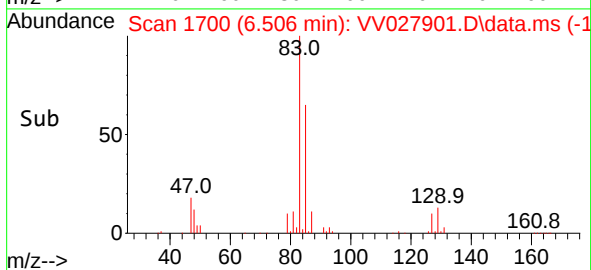
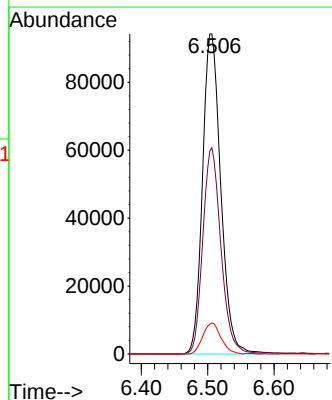
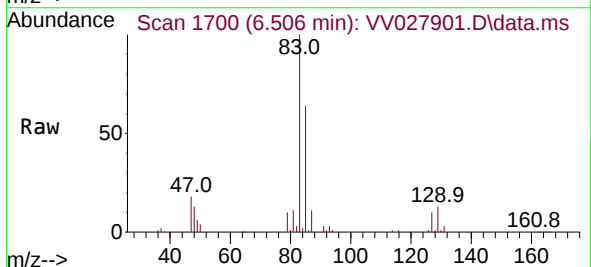
Tgt Ion: 83 Resp: 180768

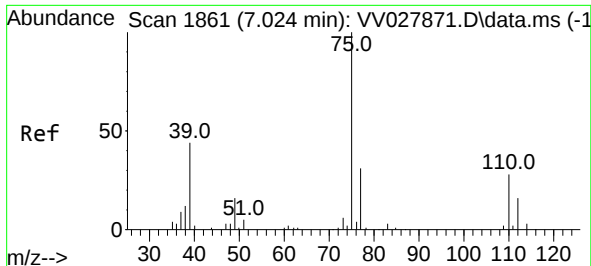
Ion Ratio Lower Upper

83 100

85 64.4 43.3 80.3

127 9.7 7.1 10.7





#39

cis-1,3-Dichloropropene

Concen: 10.081 ug/L

RT: 7.024 min Scan# 1861

Delta R.T. -0.016 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Instrument :

MSVOA\_V

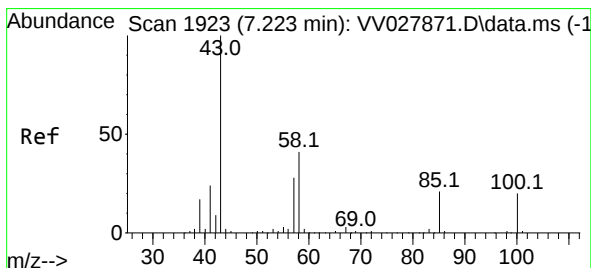
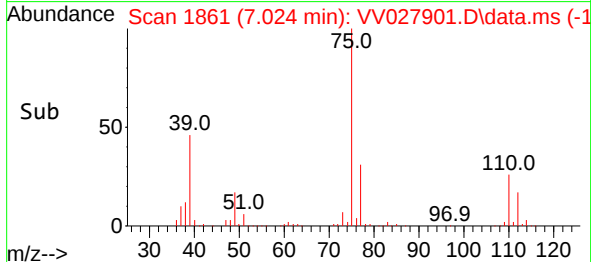
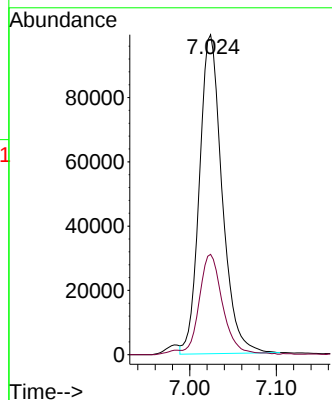
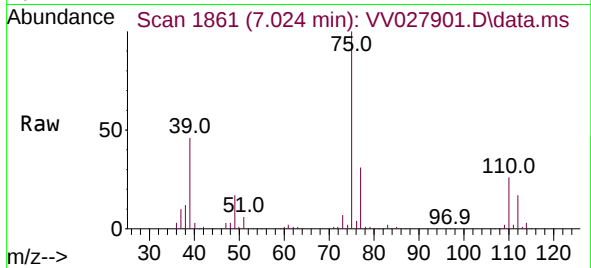
ClientSampleId :

Tgt Ion: 75 Resp: 180580

Ion Ratio Lower Upper

75 100

77 31.3 22.0 40.8



#40

4-Methyl-2-pentanone

Concen: 105.339 ug/L

RT: 7.223 min Scan# 1923

Delta R.T. -0.042 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

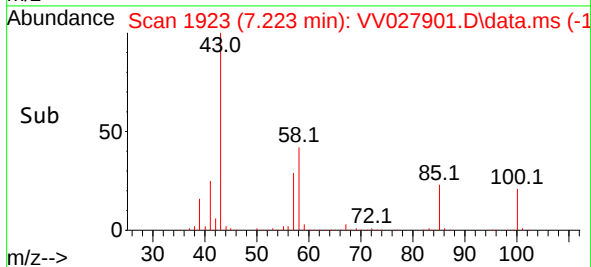
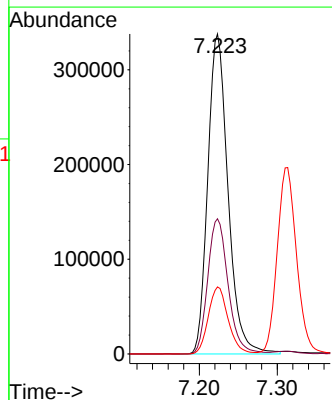
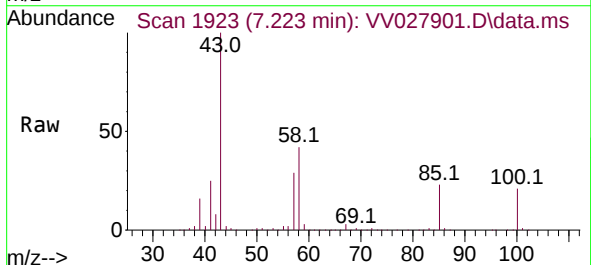
Tgt Ion: 43 Resp: 609319

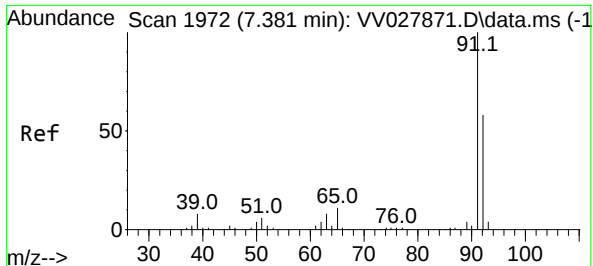
Ion Ratio Lower Upper

43 100

58 42.6 30.9 46.3

100 20.6 13.4 20.0





#42

Toluene

Concen: 10.049 ug/L

RT: 7.384 min Scan# 1972

Delta R.T. -0.010 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Instrument :

MSVOA\_V

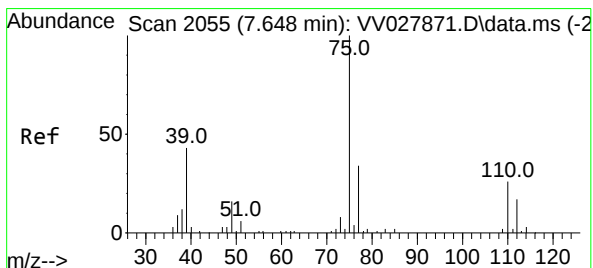
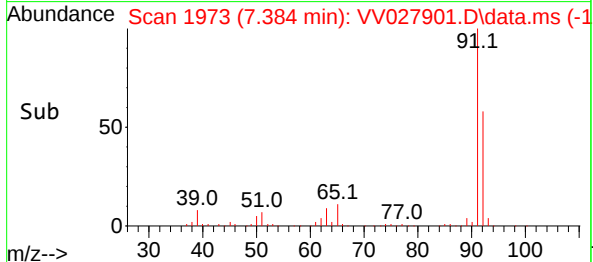
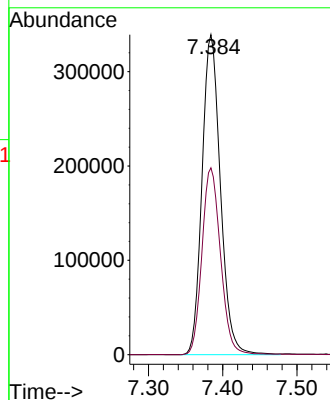
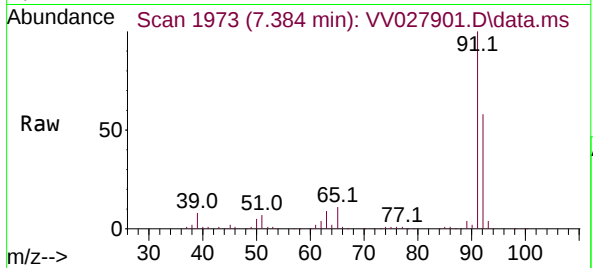
ClientSampleId :

Tgt Ion: 91 Resp: 583324

Ion Ratio Lower Upper

91 100

92 58.4 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 10.374 ug/L

RT: 7.648 min Scan# 2055

Delta R.T. -0.016 min

Lab File: VV027901.D

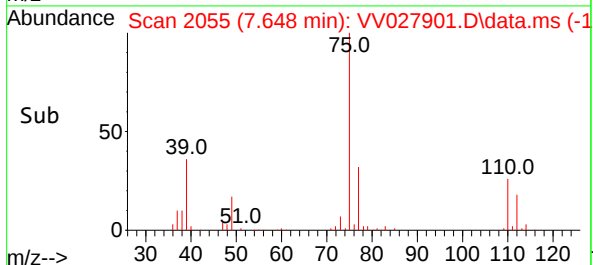
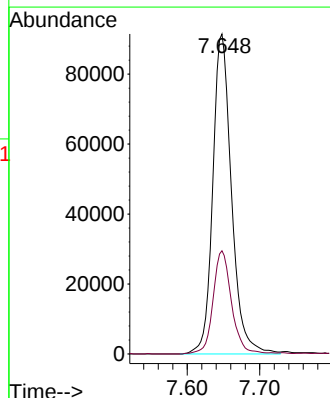
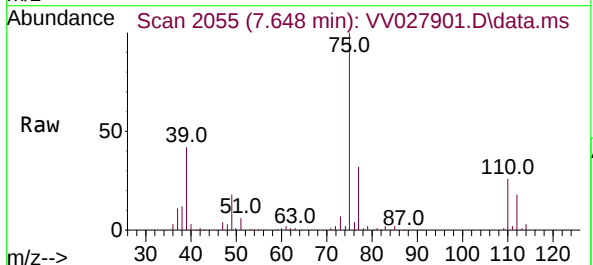
Acq: 17 Sep 2022 15:06

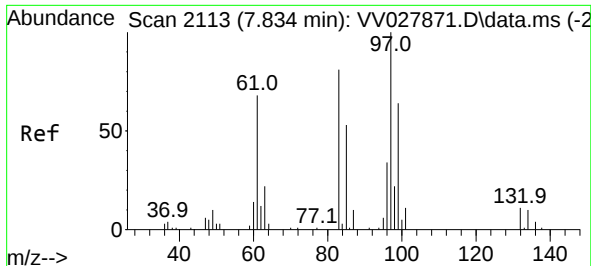
Tgt Ion: 75 Resp: 164194

Ion Ratio Lower Upper

75 100

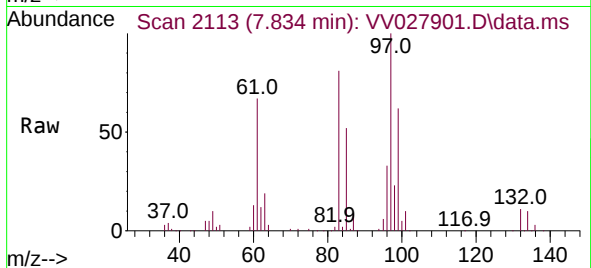
77 32.3 22.6 42.0



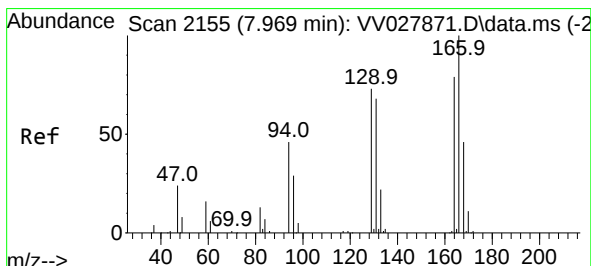
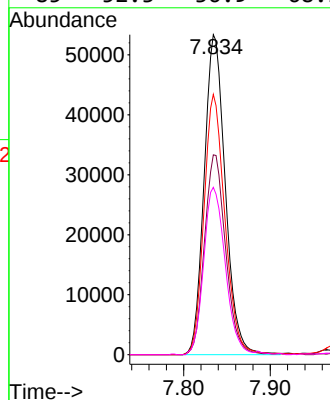
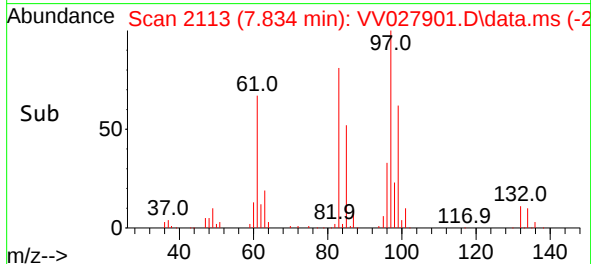


#45  
 1,1,2-Trichloroethane  
 Concen: 9.794 ug/L  
 RT: 7.834 min Scan# 2113  
 Delta R.T. -0.016 min  
 Lab File: VV027901.D  
 Acq: 17 Sep 2022 15:06

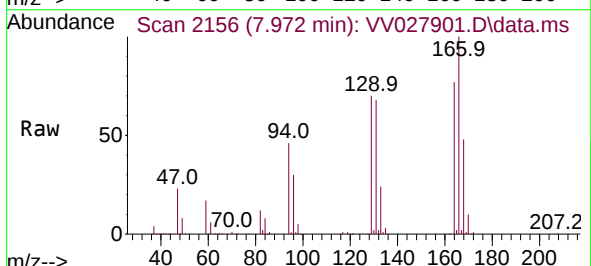
Instrument :  
 MSVOA\_V  
 ClientSampleId :



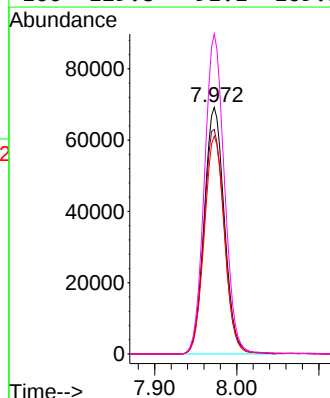
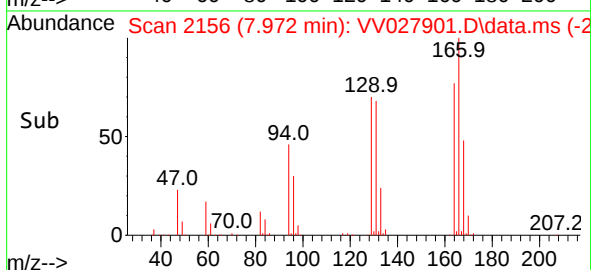
| Tgt Ion: | 97    | Resp: | 90551 |
|----------|-------|-------|-------|
| Ion      | Ratio | Lower | Upper |
| 97       | 100   |       |       |
| 99       | 62.4  | 44.2  | 82.0  |
| 83       | 81.3  | 60.3  | 112.1 |
| 85       | 52.3  | 36.9  | 68.5  |

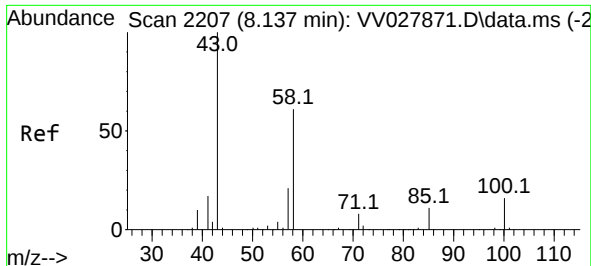


#47  
 Tetrachloroethene  
 Concen: 9.900 ug/L  
 RT: 7.972 min Scan# 2156  
 Delta R.T. -0.006 min  
 Lab File: VV027901.D  
 Acq: 17 Sep 2022 15:06



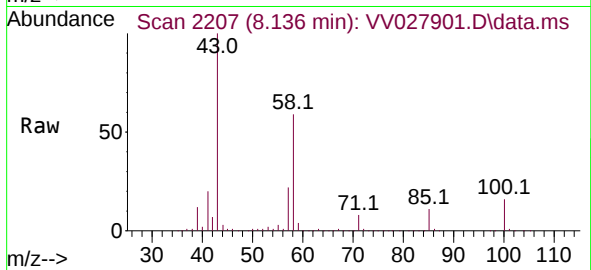
| Tgt Ion: | 164   | Resp: | 118125 |
|----------|-------|-------|--------|
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 91.0  | 67.2  | 124.8  |
| 131      | 88.4  | 61.5  | 114.3  |
| 166      | 129.8 | 91.1  | 169.3  |



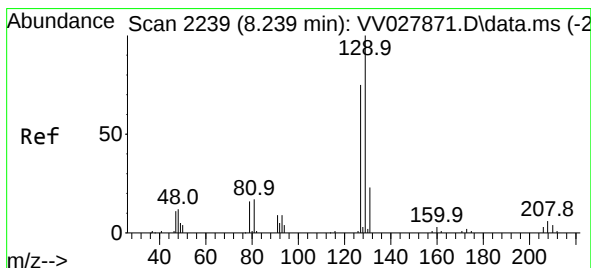
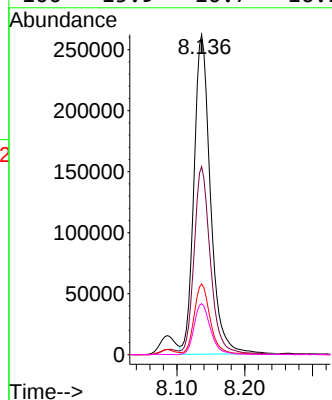
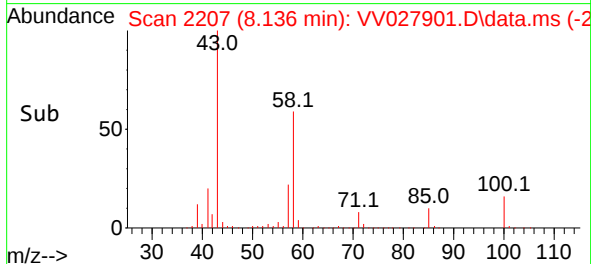


#48  
2-Hexanone  
Concen: 107.000 ug/L  
RT: 8.136 min Scan# 21  
Delta R.T. -0.029 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

Instrument :  
MSVOA\_V  
ClientSampleId :

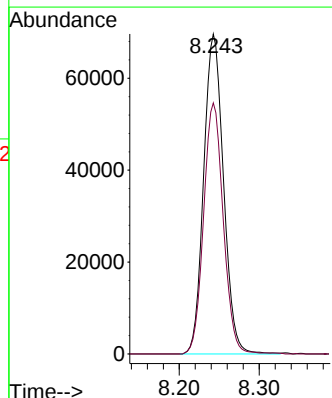
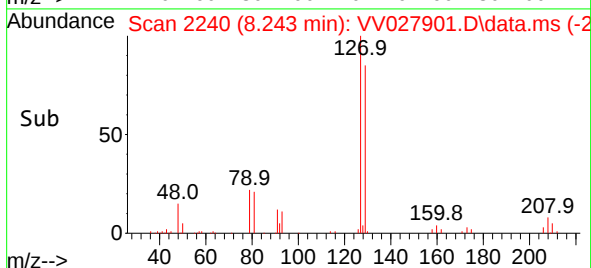
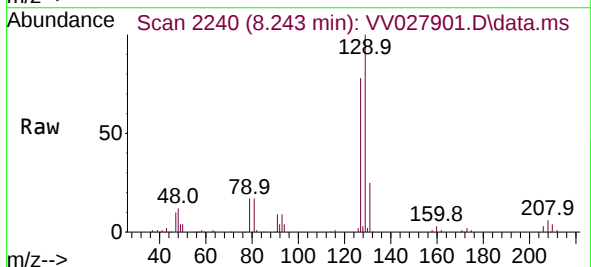


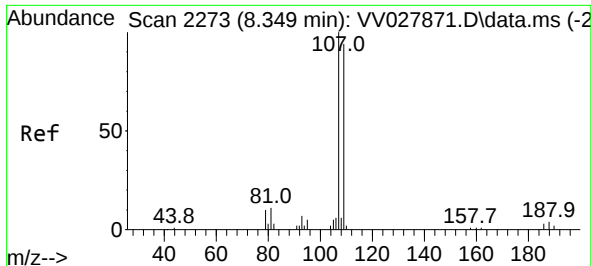
Tgt Ion: 43 Resp: 444147  
Ion Ratio Lower Upper  
43 100  
58 58.1 43.2 64.8  
57 21.7 15.6 23.4  
100 15.9 10.7 16.1



#49  
Dibromochloromethane  
Concen: 9.908 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. -0.013 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

Tgt Ion:129 Resp: 120162  
Ion Ratio Lower Upper  
129 100  
127 78.5 55.2 102.6

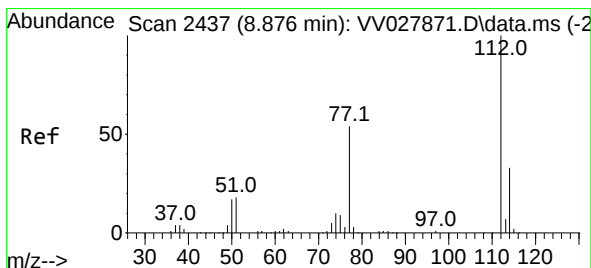
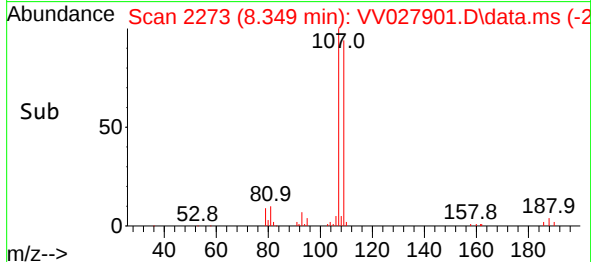
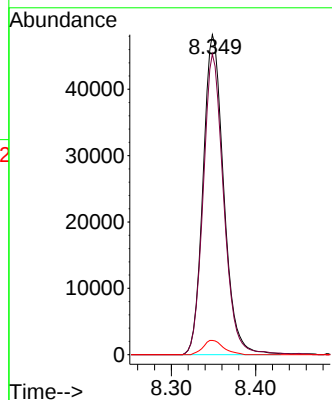
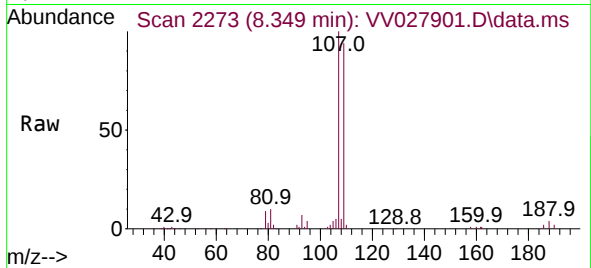




#50  
1,2-Dibromoethane  
Concen: 9.910 ug/L  
RT: 8.349 min Scan# 21  
Delta R.T. -0.013 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

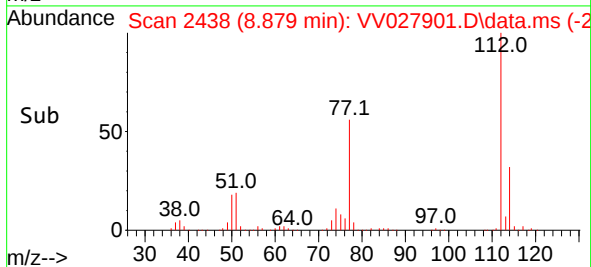
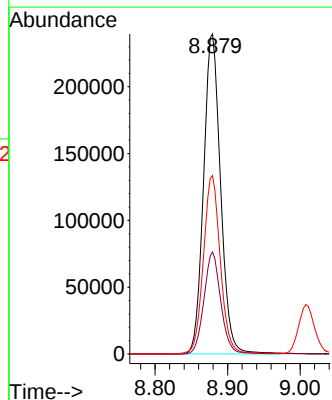
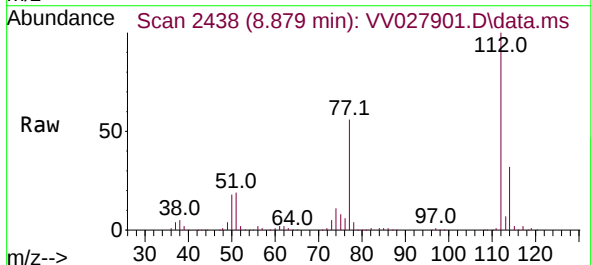
Instrument :  
MSVOA\_V  
ClientSampleId :

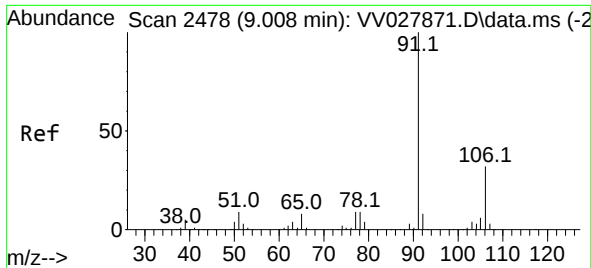
Tgt Ion:107 Resp: 82153  
Ion Ratio Lower Upper  
107 100  
109 94.0 65.9 122.5  
188 4.4 3.1 4.7



#51  
Chlorobenzene  
Concen: 9.830 ug/L  
RT: 8.879 min Scan# 2438  
Delta R.T. -0.006 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

Tgt Ion:112 Resp: 390523  
Ion Ratio Lower Upper  
112 100  
114 31.9 21.7 40.3  
77 55.8 45.3 67.9

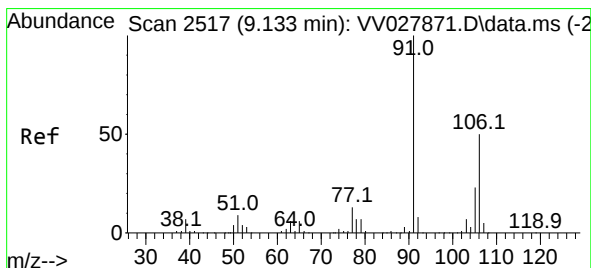
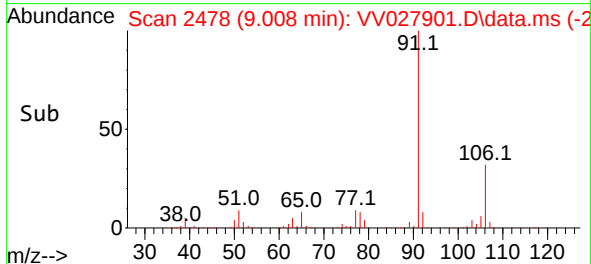
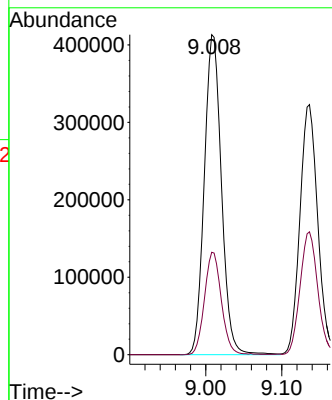
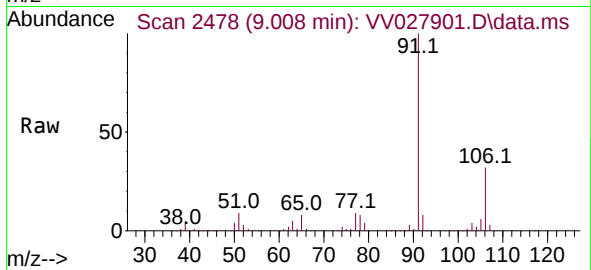




#52  
Ethylbenzene  
Concen: 10.250 ug/L  
RT: 9.008 min Scan# 2478  
Delta R.T. -0.006 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

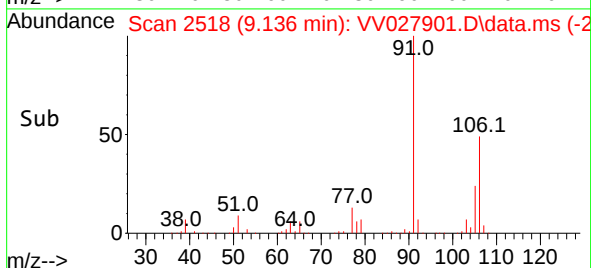
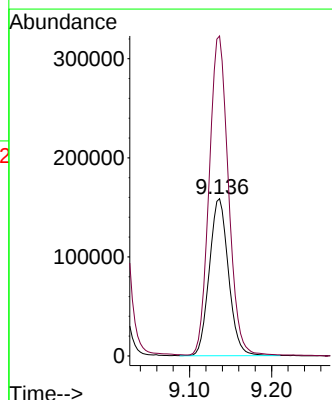
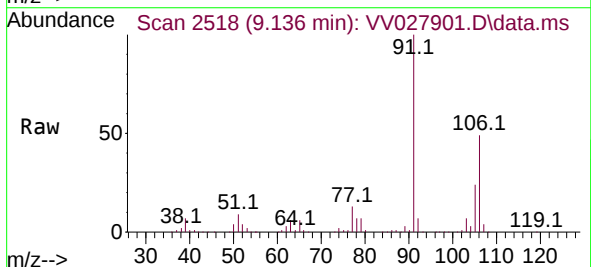
Instrument :  
MSVOA\_V  
ClientSampleId :

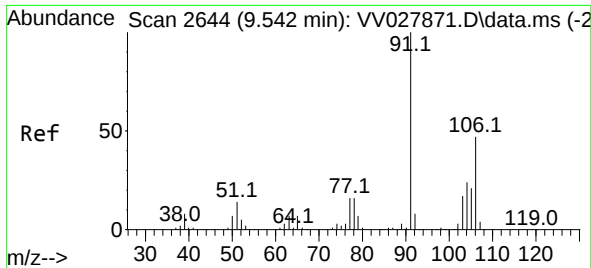
Tgt Ion: 91 Resp: 647537  
Ion Ratio Lower Upper  
91 100  
106 32.0 22.0 40.8



#53  
m,p-Xylene  
Concen: 10.269 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. -0.006 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

Tgt Ion: 106 Resp: 257002  
Ion Ratio Lower Upper  
106 100  
91 203.5 142.4 264.4

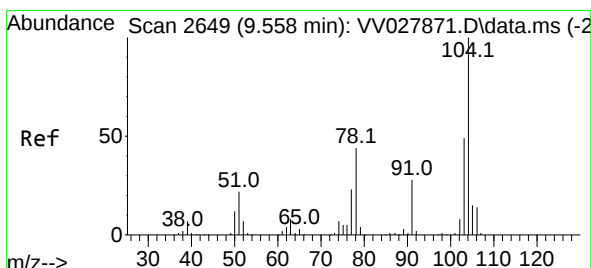
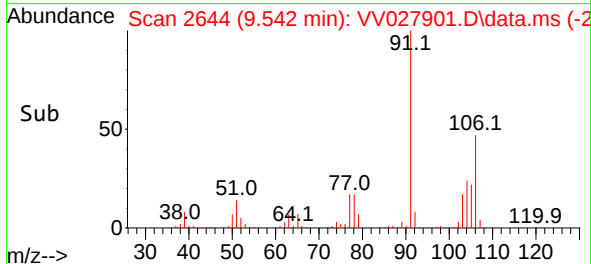
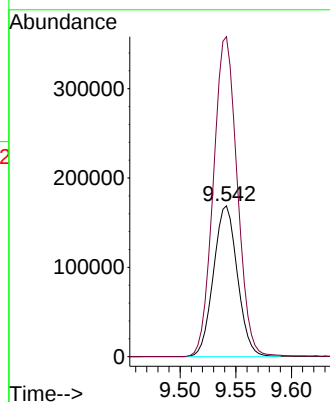
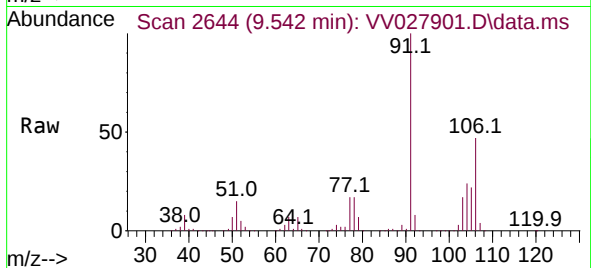




#54  
o-Xylene  
Concen: 10.396 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.003 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

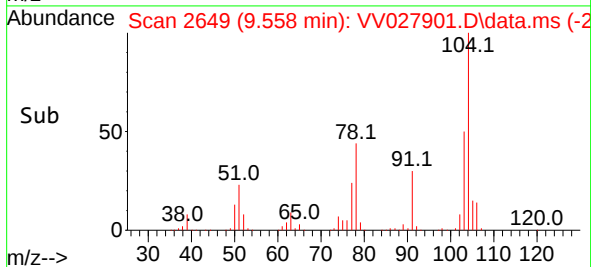
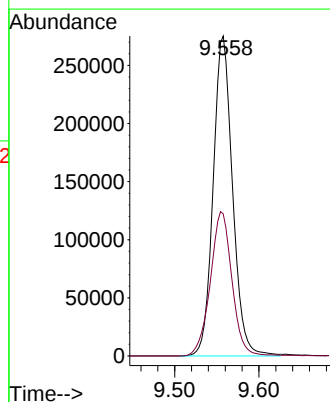
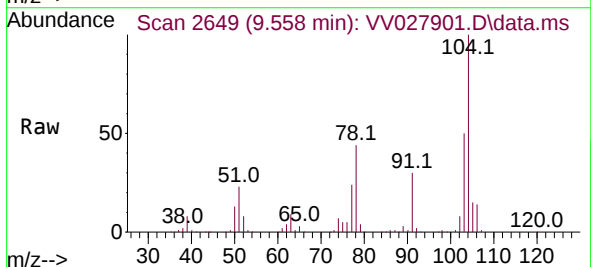
Instrument :  
MSVOA\_V  
ClientSampleId :

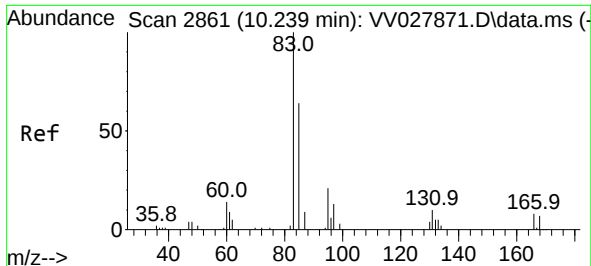
Tgt Ion:106 Resp: 252767  
Ion Ratio Lower Upper  
106 100  
91 212.2 147.5 273.9



#55  
Styrene  
Concen: 10.472 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.006 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

Tgt Ion:104 Resp: 440034  
Ion Ratio Lower Upper  
104 100  
78 44.4 31.7 58.9





#57

1,1,2,2-Tetrachloroethane

Concen: 9.739 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. -0.007 min

Lab File: VV027901.D

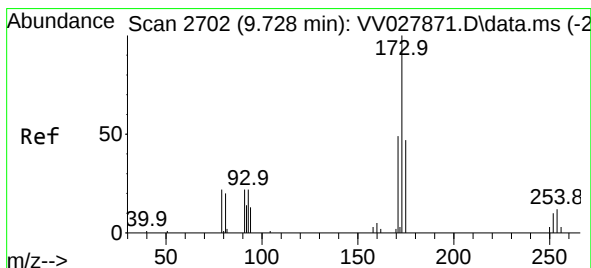
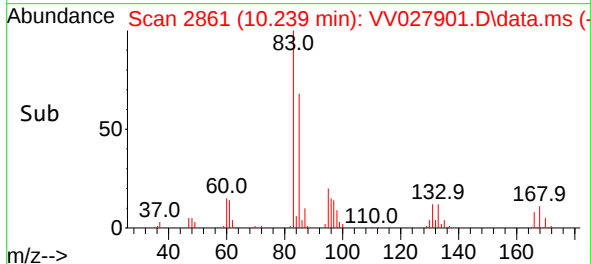
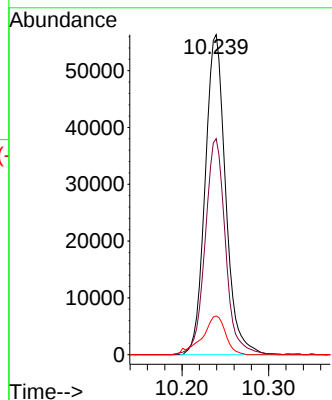
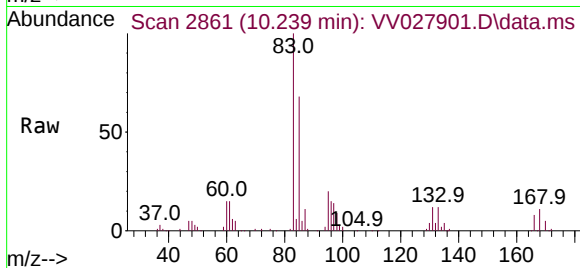
Acq: 17 Sep 2022 15:06

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 92418 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 67.5  | 44.7  | 83.1  |
| 131      | 12.1  | 8.5   | 12.7  |



#59

Bromoform

Concen: 9.135 ug/L

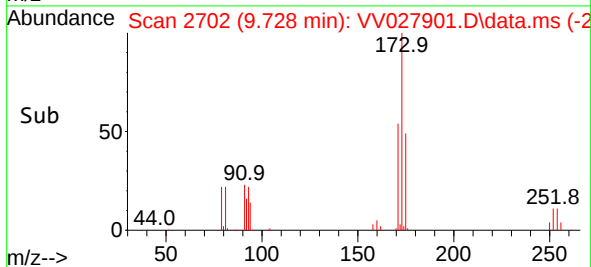
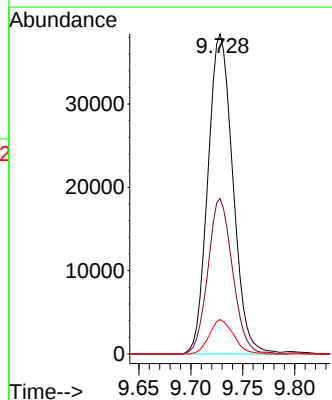
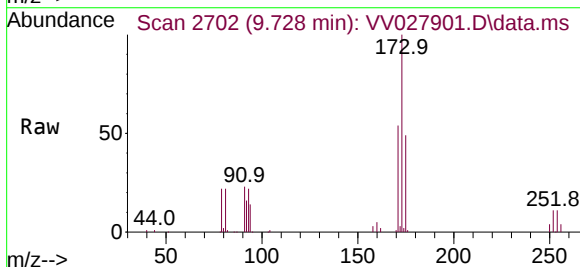
RT: 9.728 min Scan# 2702

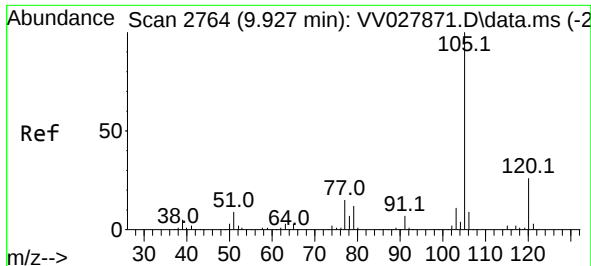
Delta R.T. -0.006 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 64218 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 47.9  | 38.4  | 57.6  |
| 254      | 10.4  | 6.8   | 10.2  |

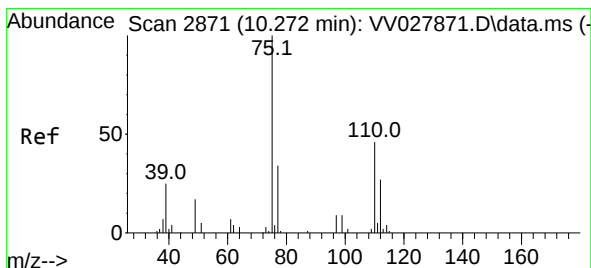
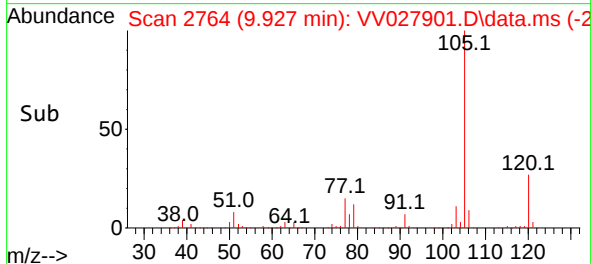
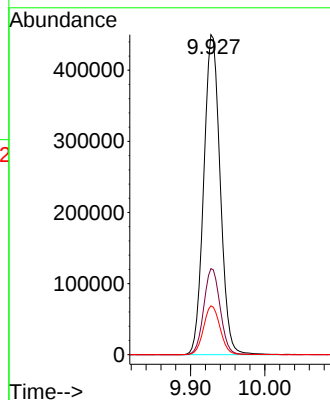
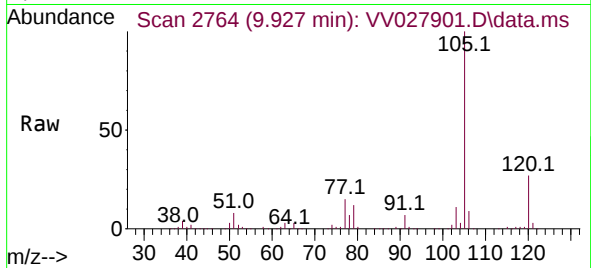




#60  
Isopropylbenzene  
Concen: 9.971 ug/L  
RT: 9.927 min Scan# 21  
Delta R.T. -0.006 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

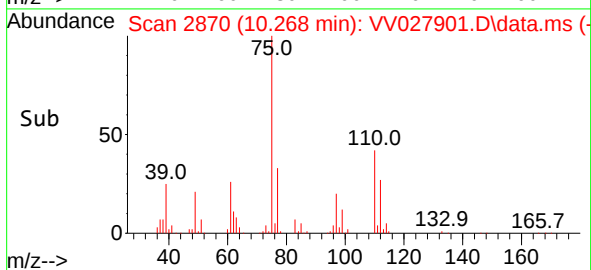
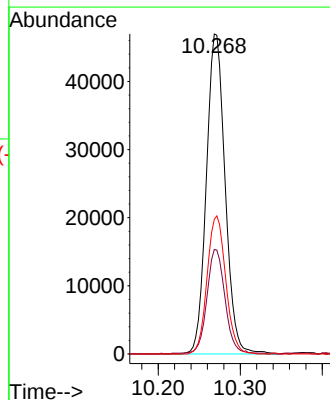
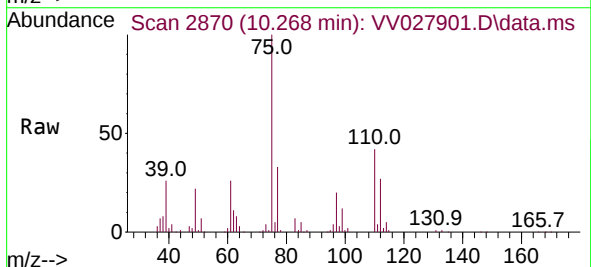
Instrument :  
MSVOA\_V  
ClientSampleId :

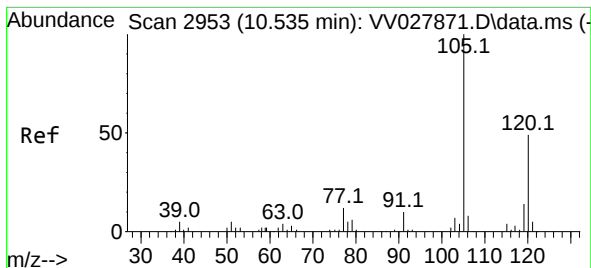
Tgt Ion:105 Resp: 690624  
Ion Ratio Lower Upper  
105 100  
120 26.8 21.3 31.9  
77 15.4 12.6 18.8



#61  
1,2,3-Trichloropropane  
Concen: 9.167 ug/L  
RT: 10.268 min Scan# 2870  
Delta R.T. -0.006 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

Tgt Ion: 75 Resp: 74696  
Ion Ratio Lower Upper  
75 100  
77 31.9 27.6 41.4  
110 42.8 35.6 53.4





#62

1,3,5-Trimethylbenzene

Concen: 9.742 ug/L

RT: 10.535 min Scan# 2953

Delta R.T. -0.003 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Instrument :

MSVOA\_V

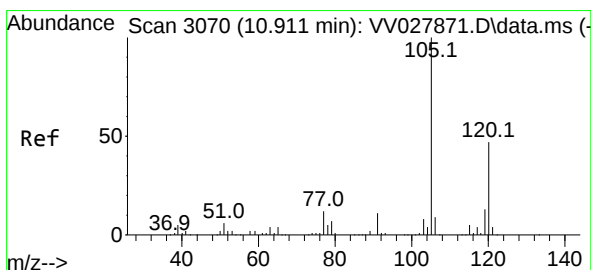
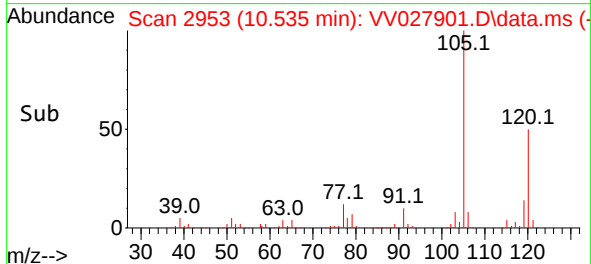
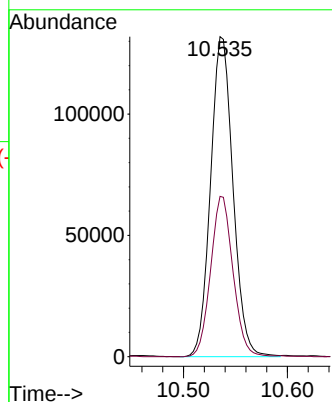
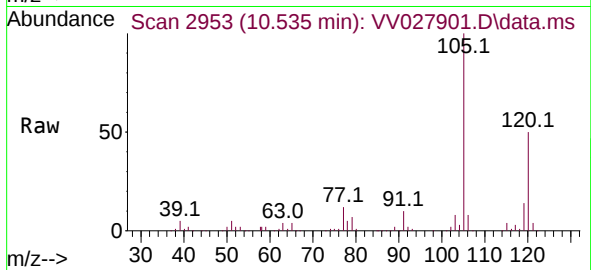
ClientSampleId :

Tgt Ion:105 Resp: 197616

Ion Ratio Lower Upper

105 100

120 49.9 39.6 59.4



#63

1,2,4-Trimethylbenzene

Concen: 10.329 ug/L

RT: 10.911 min Scan# 3070

Delta R.T. -0.003 min

Lab File: VV027901.D

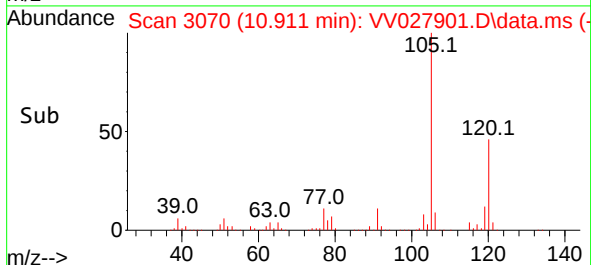
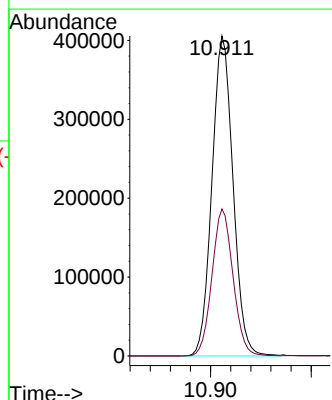
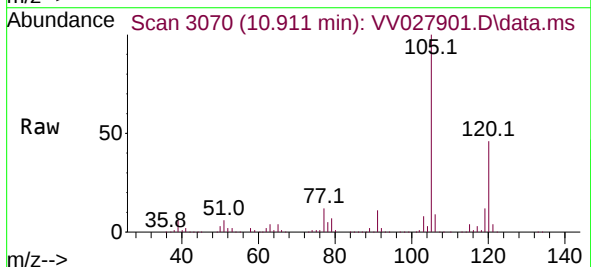
Acq: 17 Sep 2022 15:06

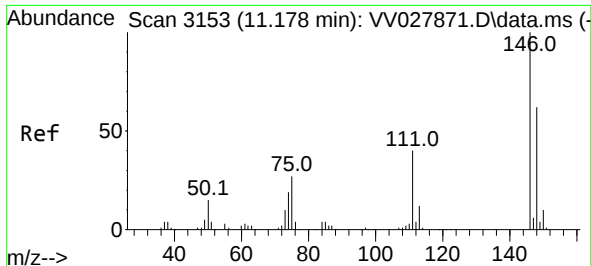
Tgt Ion:105 Resp: 589024

Ion Ratio Lower Upper

105 100

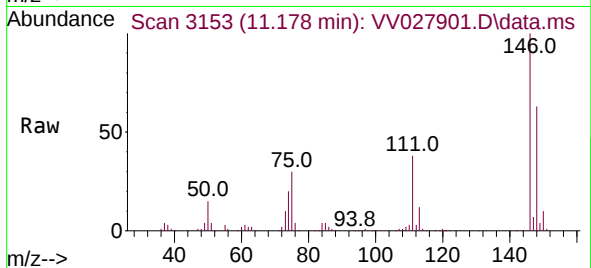
120 46.0 37.4 56.0



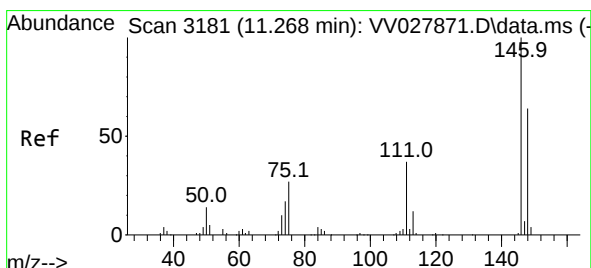
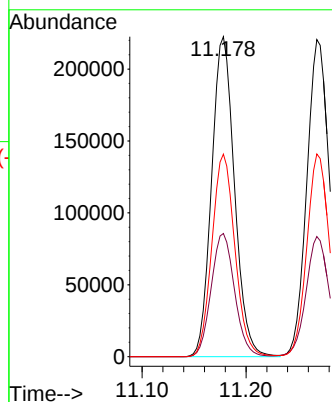
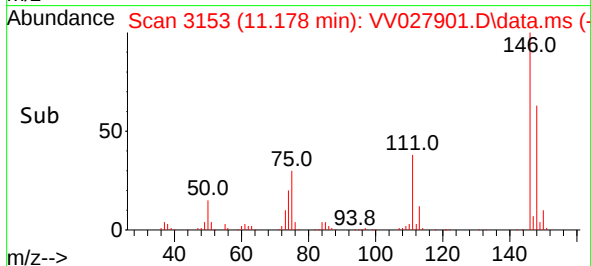


#64  
1,3-Dichlorobenzene  
Concen: 9.662 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. -0.003 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06

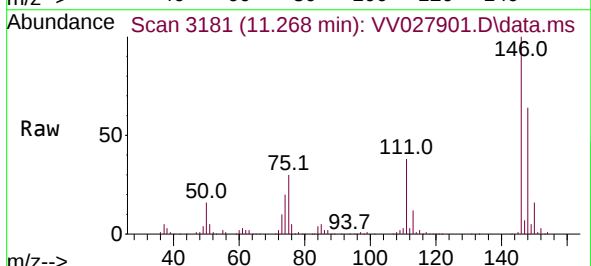
Instrument :  
MSVOA\_V  
ClientSampleId :



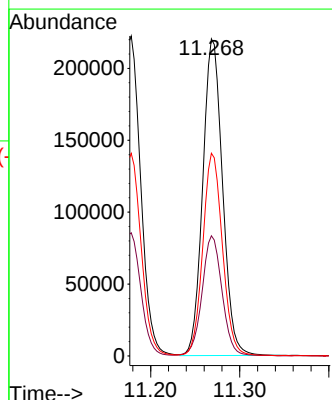
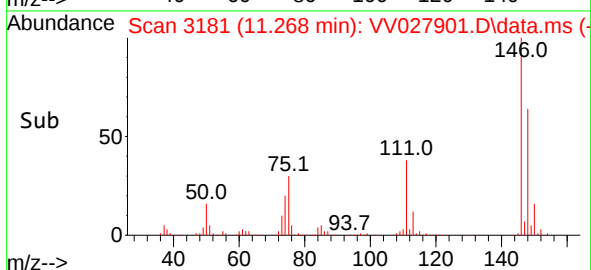
Tgt Ion:146 Resp: 339786  
Ion Ratio Lower Upper  
146 100  
111 38.5 27.9 51.9  
148 63.3 46.0 85.4

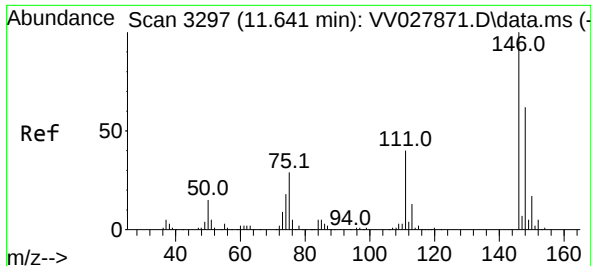


#65  
1,4-Dichlorobenzene  
Concen: 9.532 ug/L  
RT: 11.268 min Scan# 3181  
Delta R.T. -0.003 min  
Lab File: VV027901.D  
Acq: 17 Sep 2022 15:06



Tgt Ion:146 Resp: 339696  
Ion Ratio Lower Upper  
146 100  
111 37.9 26.5 49.3  
148 63.9 42.8 79.4





#67

1,2-Dichlorobenzene

Concen: 9.532 ug/L

RT: 11.641 min Scan# 3297

Delta R.T. 0.000 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Instrument :

MSVOA\_V

ClientSampleId :

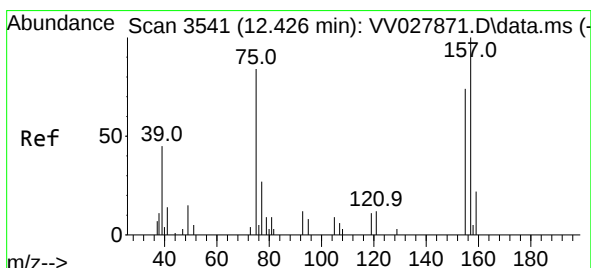
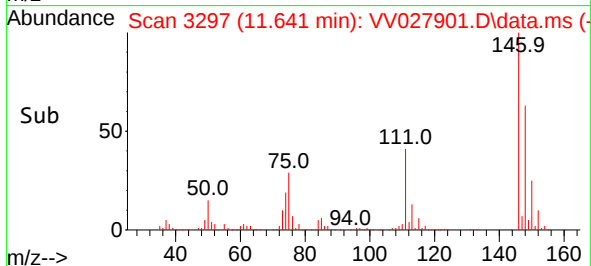
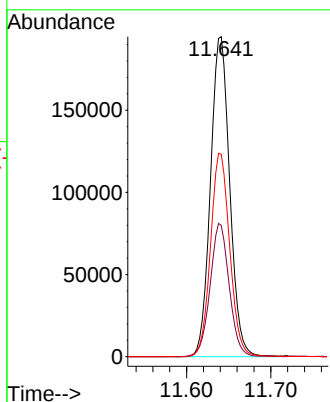
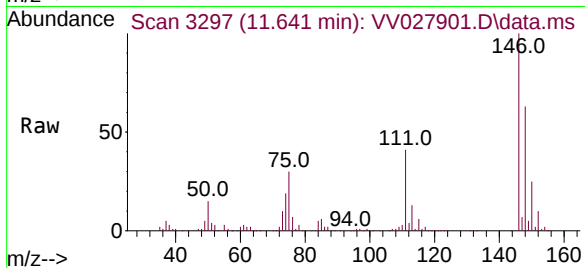
Tgt Ion:146 Resp: 308653

Ion Ratio Lower Upper

146 100

111 41.0 33.1 49.7

148 63.3 49.8 74.6



#68

1,2-Dibromo-3-chloropropane

Concen: 9.719 ug/L

RT: 12.426 min Scan# 3541

Delta R.T. -0.000 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

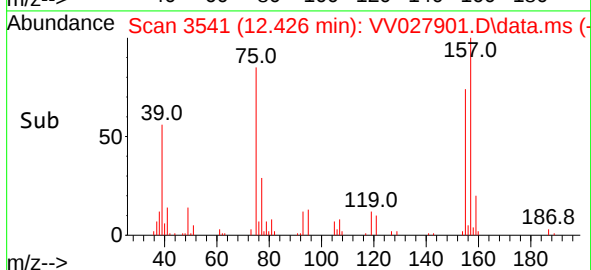
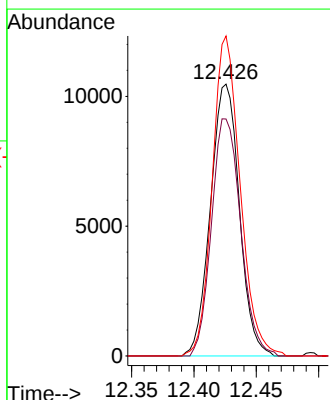
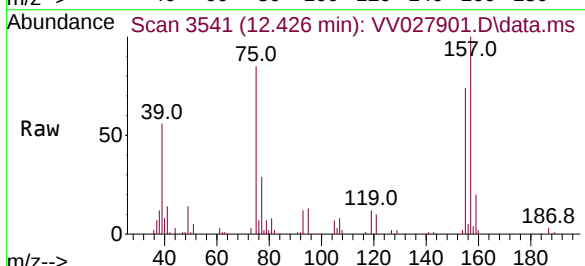
Tgt Ion: 75 Resp: 16891

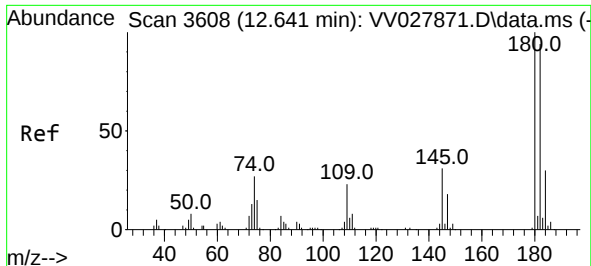
Ion Ratio Lower Upper

75 100

155 87.1 71.9 107.9

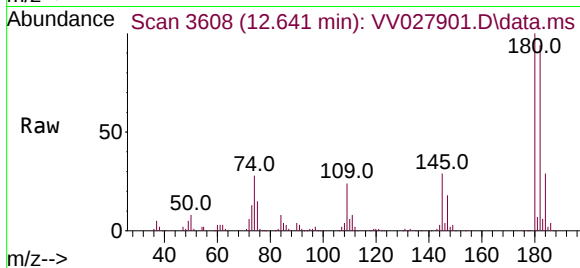
157 117.7 95.1 142.7



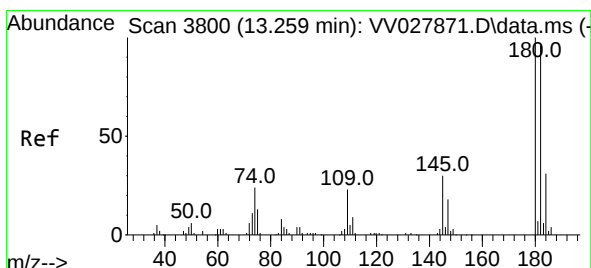
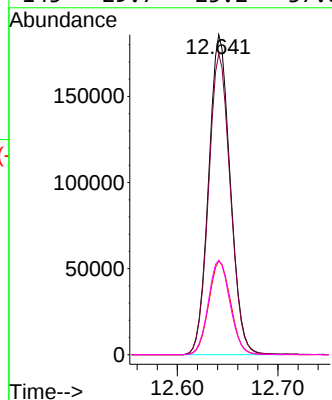
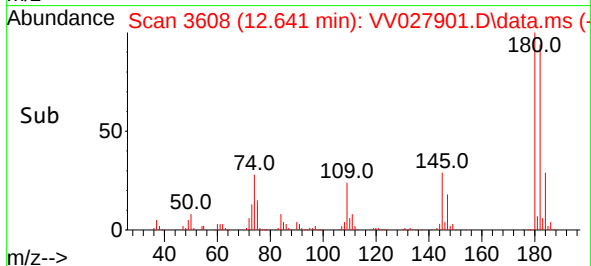


#69  
 1,3,5-Trichlorobenzene  
 Concen: 9.717 ug/L  
 RT: 12.641 min Scan# 3608  
 Delta R.T. -0.003 min  
 Lab File: VV027901.D  
 Acq: 17 Sep 2022 15:06

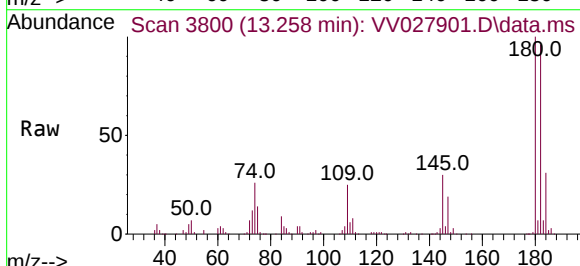
Instrument :  
 MSVOA\_V  
 ClientSampleId :



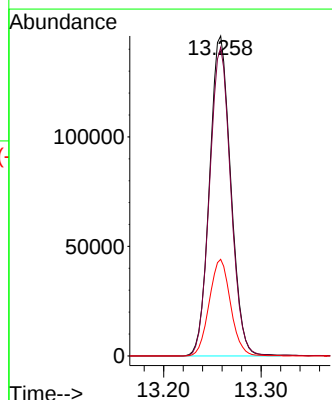
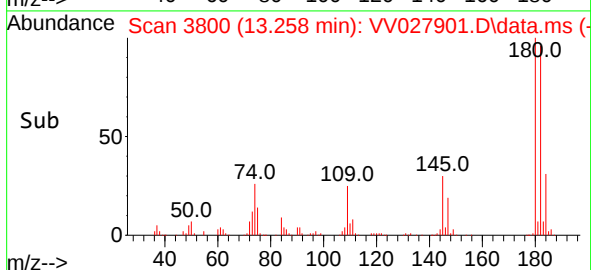
Tgt Ion:180 Resp: 276892  
 Ion Ratio Lower Upper  
 180 100  
 182 95.1 75.8 113.8  
 184 29.6 23.8 35.6  
 145 29.7 25.2 37.8

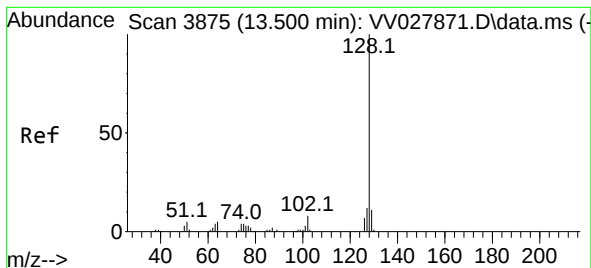


#70  
 1,2,4-trichlorobenzene  
 Concen: 9.855 ug/L  
 RT: 13.258 min Scan# 3800  
 Delta R.T. 0.000 min  
 Lab File: VV027901.D  
 Acq: 17 Sep 2022 15:06



Tgt Ion:180 Resp: 221111  
 Ion Ratio Lower Upper  
 180 100  
 182 96.2 76.6 114.8  
 145 30.3 24.6 37.0





#71

Naphthalene

Concen: 9.677 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. 0.000 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Instrument :

MSVOA\_V

ClientSampleId :

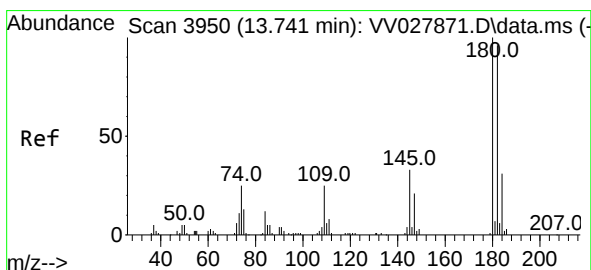
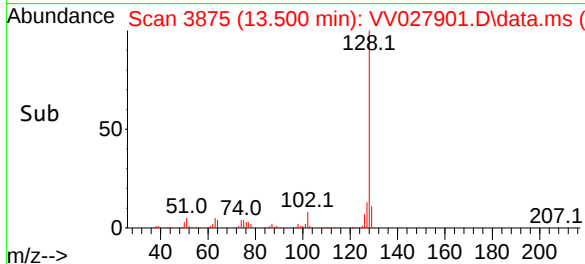
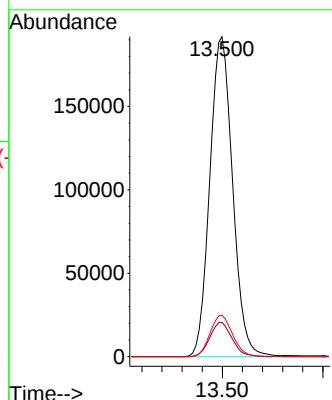
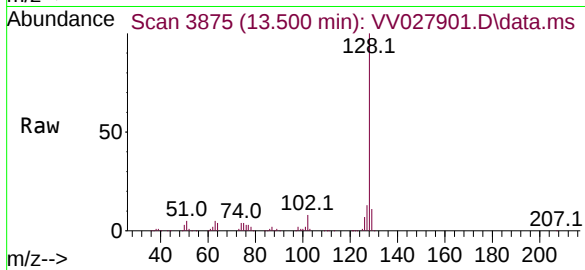
Tgt Ion:128 Resp: 301795

Ion Ratio Lower Upper

128 100

129 10.5 9.2 13.8

127 12.8 10.6 16.0



#72

1,2,3-Trichlorobenzene

Concen: 10.134 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. 0.000 min

Lab File: VV027901.D

Acq: 17 Sep 2022 15:06

Tgt Ion:180 Resp: 193564

Ion Ratio Lower Upper

180 100

182 94.3 76.5 114.7

145 32.2 26.5 39.7

