

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW072122\  
 Data File : VW026874.D  
 Acq On : 21 Jul 2022 14:59  
 Operator : SY/MD  
 Sample : N3809-02MS  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Jul 22 05:56:37 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR071122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jul 22 05:53:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min)  |
|-------------------------------|--------|-------|----------|----------|--------|-----------|
| -----                         |        |       |          |          |        |           |
| Internal Standards            |        |       |          |          |        |           |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 212417   | 5.000    | ug/L   | 0.00      |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 218018   | 5.000    | ug/L   | 0.00      |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 120963   | 5.000    | ug/L   | 0.00      |
| System Monitoring Compounds   |        |       |          |          |        |           |
| 4) Vinyl Chloride-d3          | 1.301  | 65    | 60888    | 3.142    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 62.800%   |
| 7) Chloroethane-d5            | 1.565  | 69    | 64004    | 3.823    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 76.400%   |
| 11) 1,1-Dichloroethene-d2     | 2.105  | 63    | 131849   | 3.544    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 70.800%   |
| 20) 2-Butanone-d5             | 3.886  | 46    | 202759   | 67.039   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 134.080%# |
| 24) Chloroform-d              | 4.346  | 84    | 171619   | 5.065    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 101.200%  |
| 26) 1,2-Dichloroethane-d4     | 5.031  | 65    | 76530    | 5.170    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 103.400%  |
| 32) Benzene-d6                | 5.047  | 84    | 282953   | 4.271    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.400%   |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 95774    | 4.822    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 96.400%   |
| 41) Toluene-d8                | 7.313  | 98    | 242302   | 4.120    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 82.400%   |
| 43) trans-1,3-Dichloroprop... | 7.622  | 79    | 30339    | 4.668    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 93.400%   |
| 46) 2-Hexanone-d5             | 8.088  | 63    | 170158   | 60.476   | ug/L   | 0.00      |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 120.960%  |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 89231    | 5.767    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 115.400%  |
| 66) 1,2-Dichlorobenzene-d4    | 11.625 | 152   | 100318   | 4.760    | ug/L   | 0.00      |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 95.200%   |
| Target Compounds              |        |       |          |          |        |           |
|                               |        |       |          |          | Qvalue |           |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 140662   | 5.209    | ug/L   | 99        |
| 3) Chloromethane              | 1.240  | 50    | 120242   | 4.640    | ug/L   | 98        |
| 5) Vinyl chloride             | 1.307  | 62    | 130252   | 4.936    | ug/L   | 99        |
| 6) Bromomethane               | 1.516  | 94    | 73016    | 4.623    | ug/L   | 97        |
| 8) Chloroethane               | 1.581  | 64    | 77956    | 5.014    | ug/L   | 97        |
| 9) Trichlorofluoromethane     | 1.748  | 101   | 181850   | 5.423    | ug/L   | 100       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.111  | 101   | 104903   | 5.461    | ug/L   | 99        |
| 12) 1,1-Dichloroethene        | 2.114  | 96    | 97345    | 5.227    | ug/L   | 85        |
| 13) Acetone                   | 2.175  | 43    | 124960   | 49.106   | ug/L # | 26        |
| 14) Carbon disulfide          | 2.288  | 76    | 276973   | 5.047    | ug/L   | 98        |
| 15) Methyl Acetate            | 2.436  | 43    | 28941    | 5.623    | ug/L   | 93        |
| 16) Methylene chloride        | 2.500  | 84    | 124468   | 5.610    | ug/L   | 97        |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 174364   | 5.434    | ug/L   | 99        |
| 18) trans-1,2-Dichloroethene  | 2.754  | 96    | 98714    | 5.767    | ug/L   | 94        |
| 19) 1,1-Dichloroethane        | 3.185  | 63    | 187613   | 6.002    | ug/L   | 98        |
| 21) 2-Butanone                | 3.970  | 43    | 182258   | 61.414   | ug/L   | 99        |
| 22) cis-1,2-Dichloroethene    | 3.908  | 96    | 103775   | 6.011    | ug/L   | 97        |
| 23) Bromochloromethane        | 4.246  | 128   | 49307    | 6.199    | ug/L   | 92        |
| 25) Chloroform                | 4.371  | 83    | 222665   | 6.801    | ug/L   | 99        |

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 ALS Vial : 13 Sample Multiplier: 1

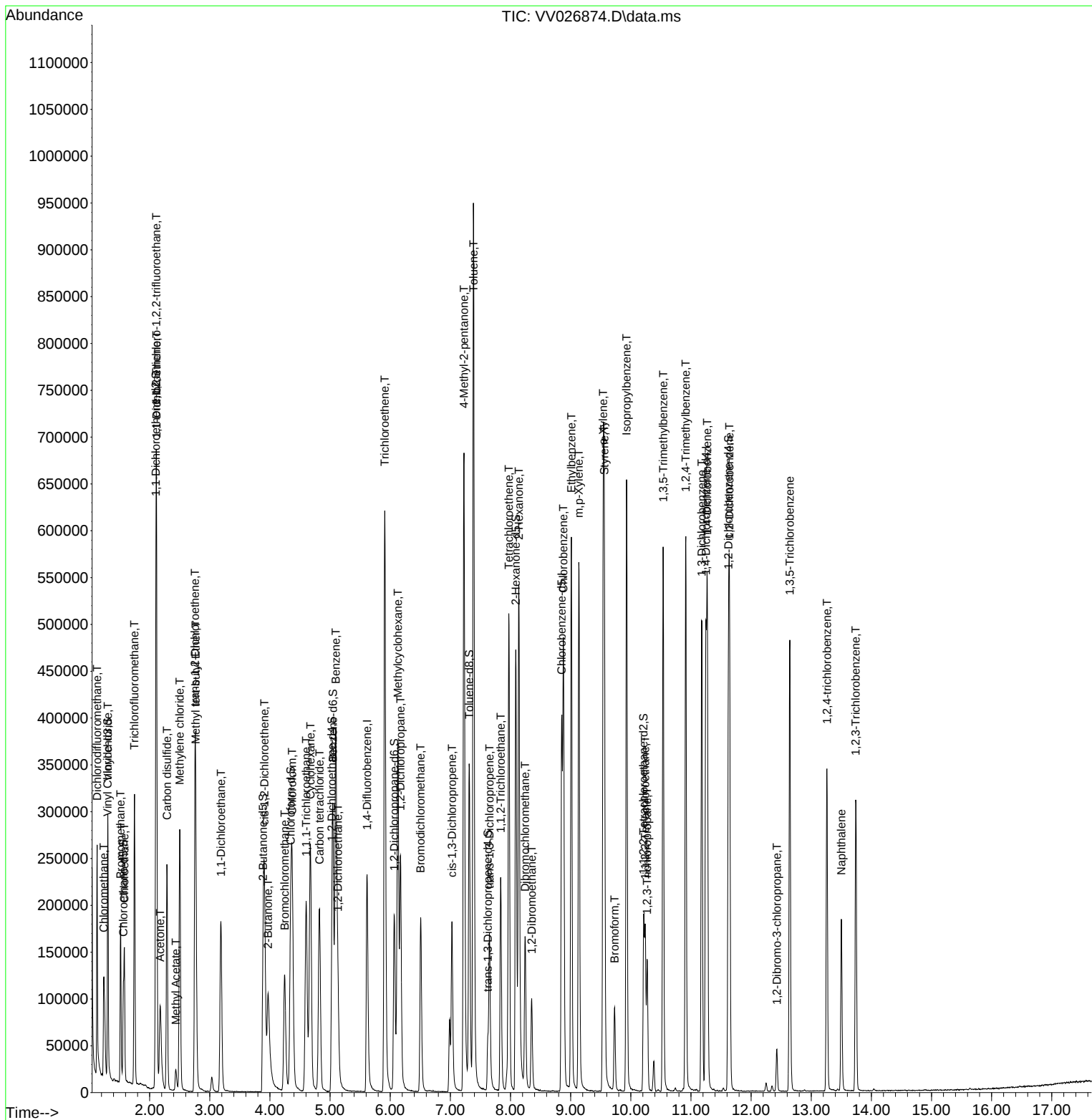
Instrument :  
 MSVOA\_V  
 ClientSampleId :

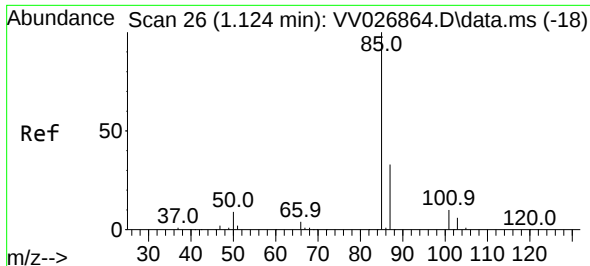
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR071122WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Fri Jul 22 05:53:14 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 100676   | 5.707  | ug/L  | 96       |
| 29) 1,1,1-Trichloroethane     | 4.603  | 97   | 169750   | 5.778  | ug/L  | 98       |
| 30) Cyclohexane               | 4.674  | 56   | 126299   | 5.045  | ug/L  | 99       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 155273   | 5.984  | ug/L  | 99       |
| 33) Benzene                   | 5.095  | 78   | 408864   | 5.610  | ug/L  | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 231229   | 12.908 | ug/L  | 97       |
| 35) Methylcyclohexane         | 6.127  | 83   | 146409   | 5.355  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 103809   | 5.956  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.506  | 83   | 131541   | 5.789  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 118315   | 5.462  | ug/L  | 96       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 441634   | 54.855 | ug/L  | 99       |
| 42) Toluene                   | 7.384  | 91   | 718318   | 9.758  | ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 104660   | 5.885  | ug/L  | 99       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 75384    | 5.917  | ug/L  | 99       |
| 47) Tetrachloroethene         | 7.973  | 164  | 115904   | 8.249  | ug/L  | 99       |
| 48) 2-Hexanone                | 8.140  | 43   | 336351   | 57.724 | ug/L  | 100      |
| 49) Dibromochloromethane      | 8.243  | 129  | 84149    | 5.731  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 66537    | 5.902  | ug/L  | 93       |
| 51) Chlorobenzene             | 8.879  | 112  | 270859   | 5.820  | ug/L  | 98       |
| 52) Ethylbenzene              | 9.011  | 91   | 404267   | 5.549  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.137  | 106  | 161255   | 5.692  | ug/L  | 99       |
| 54) o-Xylene                  | 9.542  | 106  | 151334   | 5.621  | ug/L  | 94       |
| 55) Styrene                   | 9.561  | 104  | 262109   | 5.555  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 84587    | 5.608  | ug/L  | 97       |
| 59) Bromoform                 | 9.731  | 173  | 40638    | 5.236  | ug/L  | 96       |
| 60) Isopropylbenzene          | 9.931  | 105  | 404491   | 5.361  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 58672    | 5.259  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 307413   | 5.121  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 313818   | 5.148  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.181 | 146  | 211826   | 5.731  | ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 211396   | 5.624  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 191617   | 5.551  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.429 | 75   | 12072    | 5.105  | ug/L  | 88       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 144333   | 5.524  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.262 | 180  | 106821   | 5.376  | ug/L  | 99       |
| 71) Naphthalene               | 13.503 | 128  | 147050   | 4.467  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 95048    | 5.141  | ug/L  | 99       |

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

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QLast Update : Fri Jul 22 05:53:14 2022  
Response via : Initial Calibration

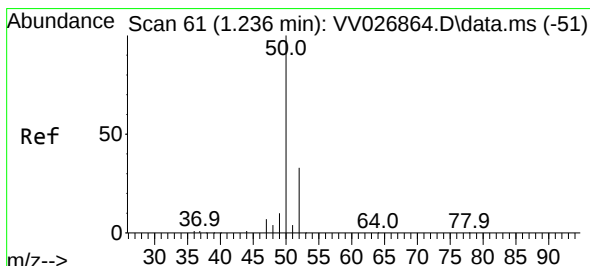
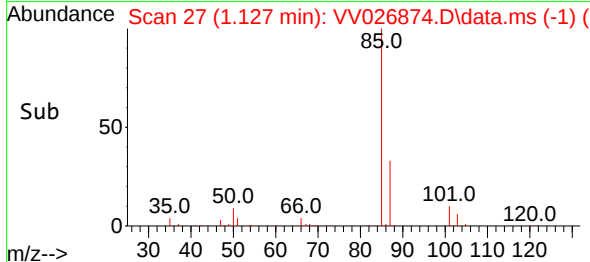
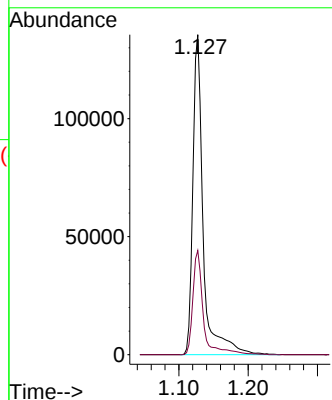
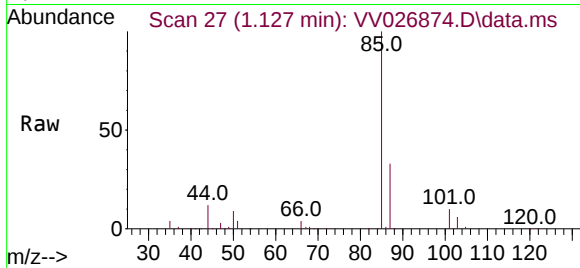




#2  
 Dichlorodifluoromethane  
 Concen: 5.209 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. 0.003 min  
 Lab File: VV026874.D  
 Acq: 21 Jul 2022 14:59

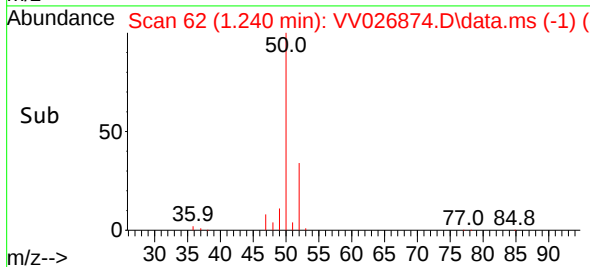
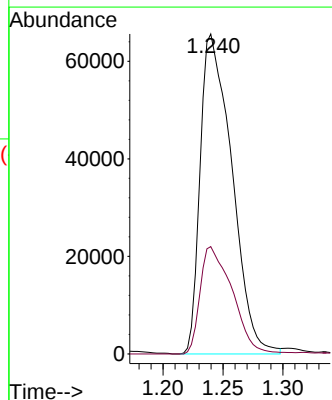
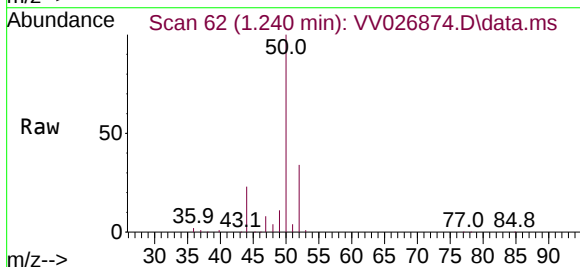
Instrument :  
 MSVOA\_V  
 ClientSampleId :

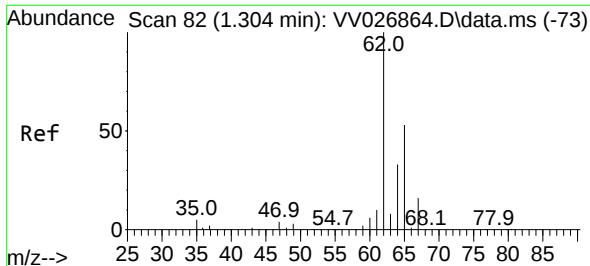
Tgt Ion: 85 Resp: 140662  
 Ion Ratio Lower Upper  
 85 100  
 87 33.1 25.8 38.8



#3  
 Chloromethane  
 Concen: 4.640 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.003 min  
 Lab File: VV026874.D  
 Acq: 21 Jul 2022 14:59

Tgt Ion: 50 Resp: 120242  
 Ion Ratio Lower Upper  
 50 100  
 52 33.6 22.8 42.4

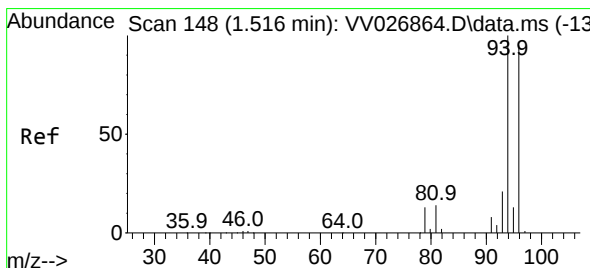
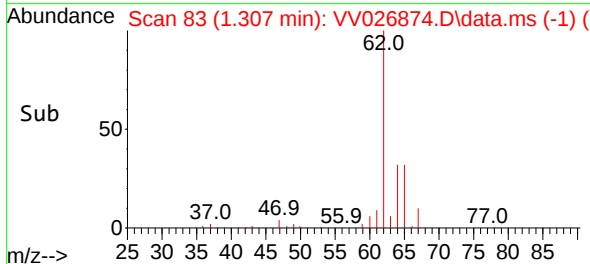
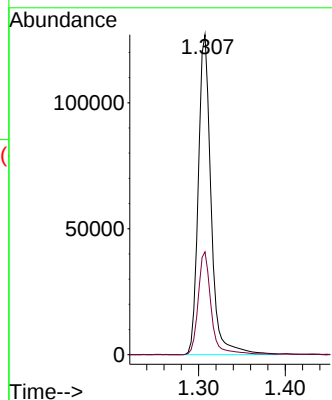
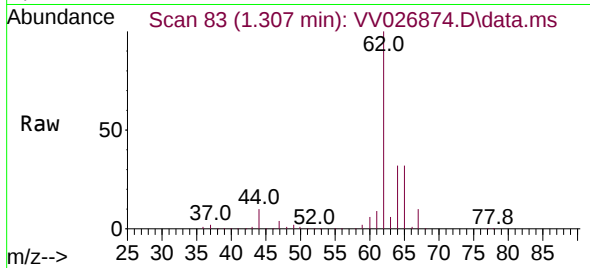




#5  
 Vinyl chloride  
 Concen: 4.936 ug/L  
 RT: 1.307 min Scan# 81  
 Delta R.T. 0.003 min  
 Lab File: VV026874.D  
 Acq: 21 Jul 2022 14:59

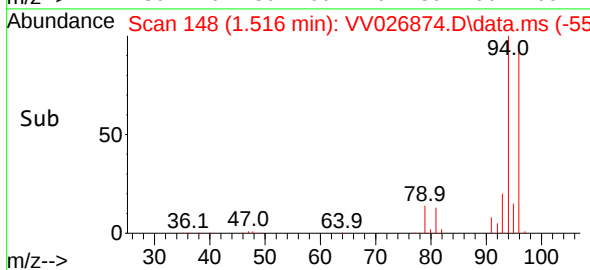
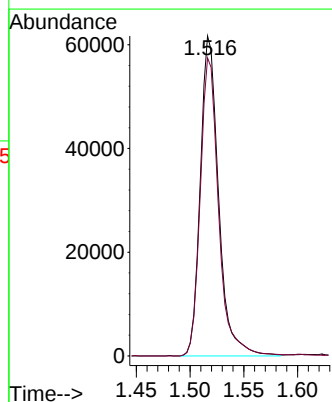
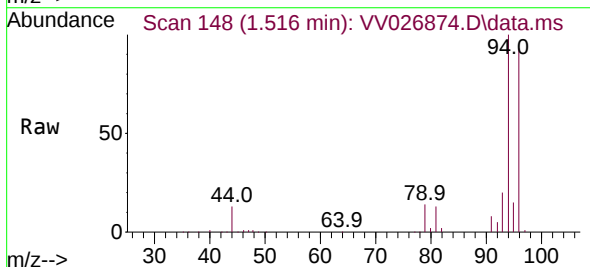
Instrument :  
 MSVOA\_V  
 ClientSampleId :

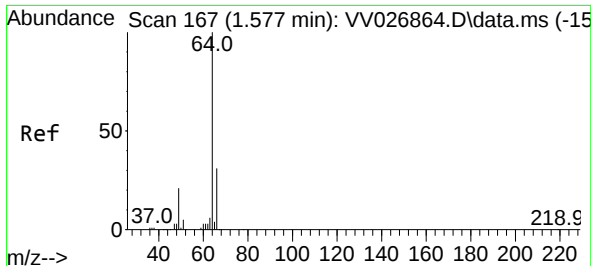
Tgt Ion: 62 Resp: 130252  
 Ion Ratio Lower Upper  
 62 100  
 64 32.2 22.9 42.5



#6  
 Bromomethane  
 Concen: 4.623 ug/L  
 RT: 1.516 min Scan# 148  
 Delta R.T. 0.000 min  
 Lab File: VV026874.D  
 Acq: 21 Jul 2022 14:59

Tgt Ion: 94 Resp: 73016  
 Ion Ratio Lower Upper  
 94 100  
 96 93.1 67.1 124.7

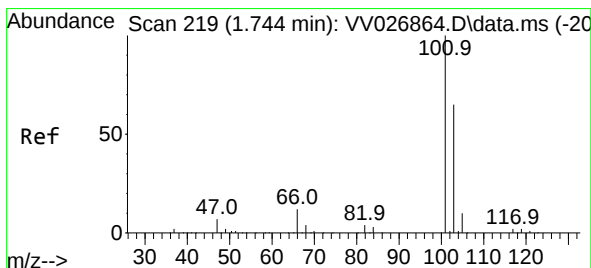
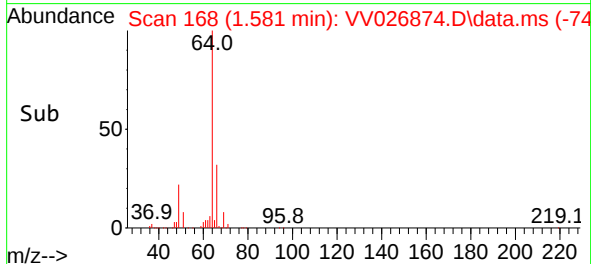
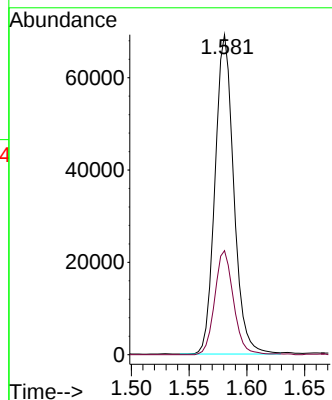
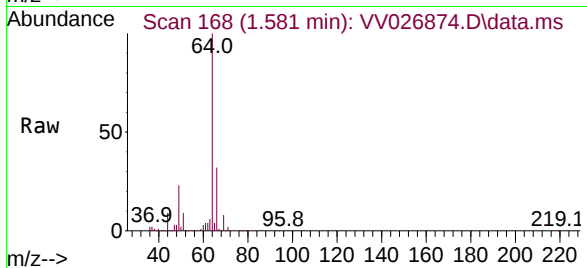




#8  
Chloroethane  
Concen: 5.014 ug/L  
RT: 1.581 min Scan# 1  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

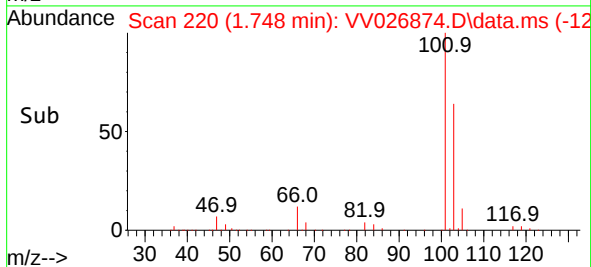
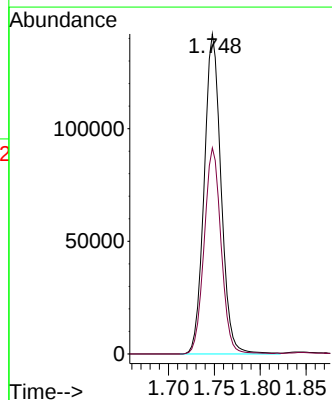
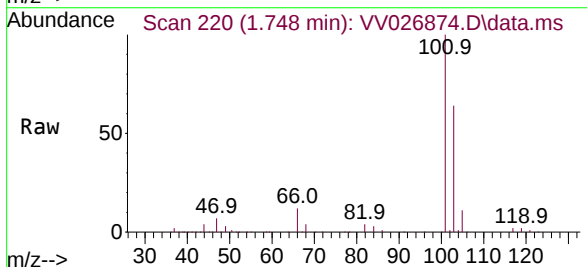
Instrument :  
MSVOA\_V  
ClientSampleId :

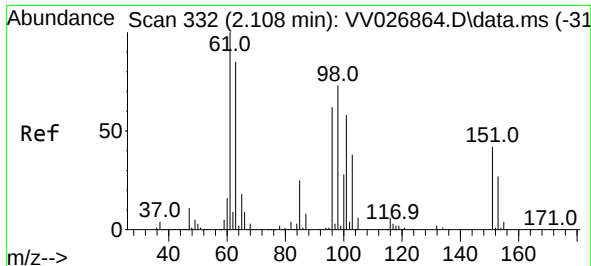
Tgt Ion: 64 Resp: 77956  
Ion Ratio Lower Upper  
64 100  
66 32.5 23.9 44.5



#9  
Trichlorofluoromethane  
Concen: 5.423 ug/L  
RT: 1.748 min Scan# 220  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion:101 Resp: 181850  
Ion Ratio Lower Upper  
101 100  
103 64.5 51.6 77.4

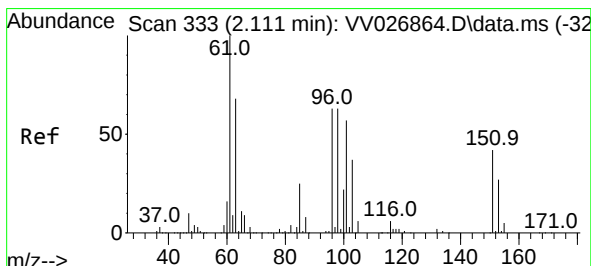
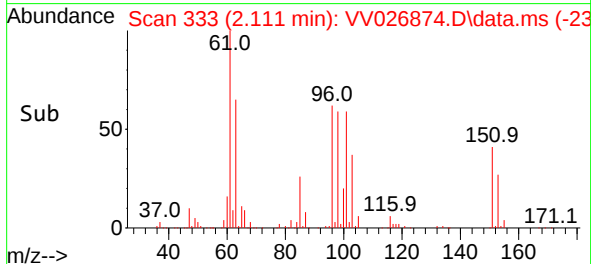
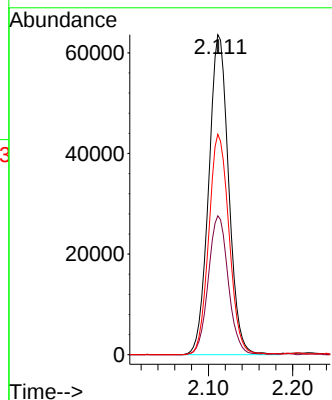
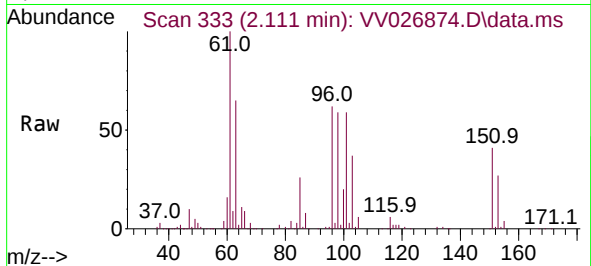




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 5.461 ug/L  
 RT: 2.111 min Scan# 331  
 Delta R.T. 0.003 min  
 Lab File: VV026874.D  
 Acq: 21 Jul 2022 14:59

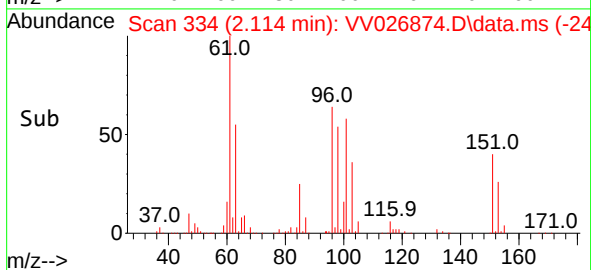
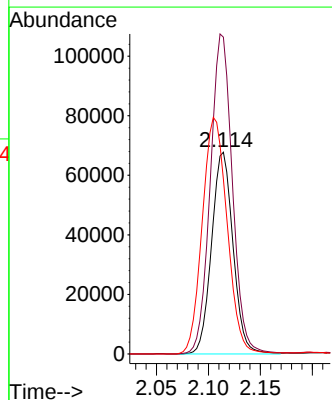
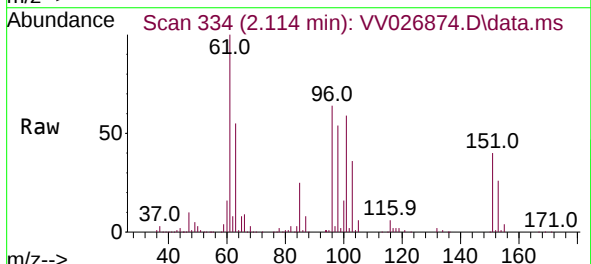
Instrument :  
 MSVOA\_V  
 ClientSampleId :

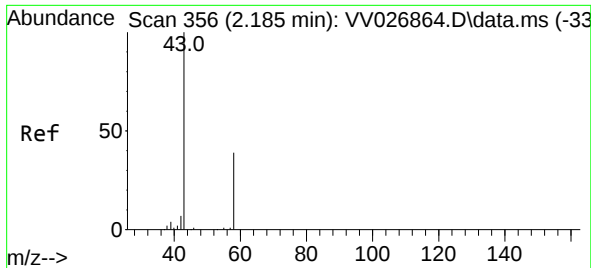
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 Ion Ratio Lower Upper  
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 151 69.8 56.7 85.1



#12  
 1,1-Dichloroethene  
 Concen: 5.227 ug/L  
 RT: 2.114 min Scan# 334  
 Delta R.T. 0.003 min  
 Lab File: VV026874.D  
 Acq: 21 Jul 2022 14:59

Tgt Ion: 96 Resp: 97345  
 Ion Ratio Lower Upper  
 96 100  
 61 157.1 118.3 219.7  
 63 86.6 79.9 148.3





#13

Acetone

Concen: 49.106 ug/L

RT: 2.175 min Scan# 3

Delta R.T. -0.009 min

Lab File: VV026874.D

Acq: 21 Jul 2022 14:59

Instrument :

MSVOA\_V

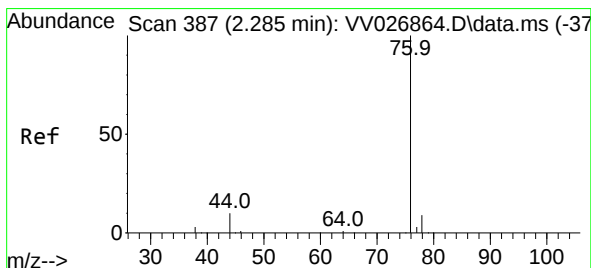
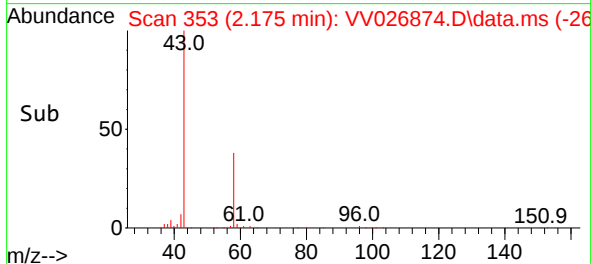
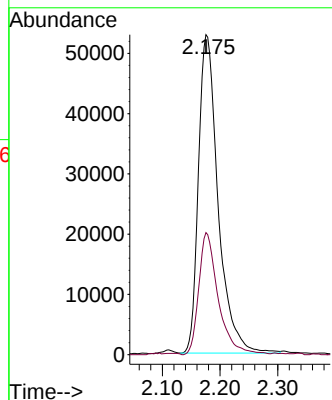
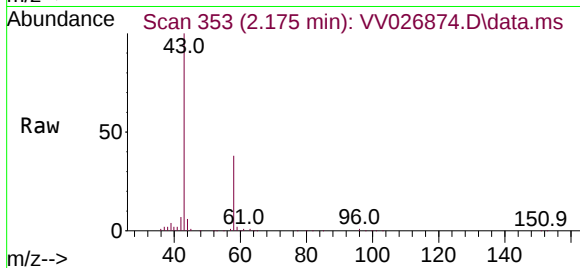
ClientSampleId :

Tgt Ion: 43 Resp: 124960

Ion Ratio Lower Upper

43 100

58 38.0 0.0 20.6#



#14

Carbon disulfide

Concen: 5.047 ug/L

RT: 2.288 min Scan# 388

Delta R.T. 0.003 min

Lab File: VV026874.D

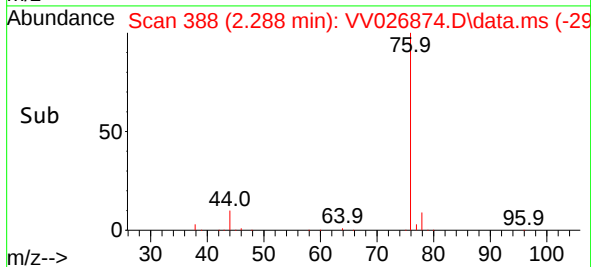
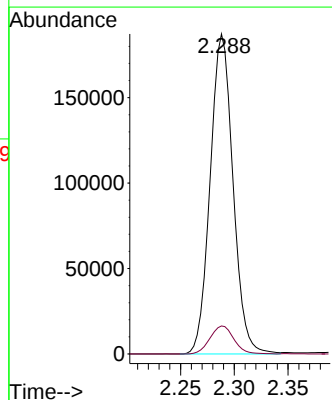
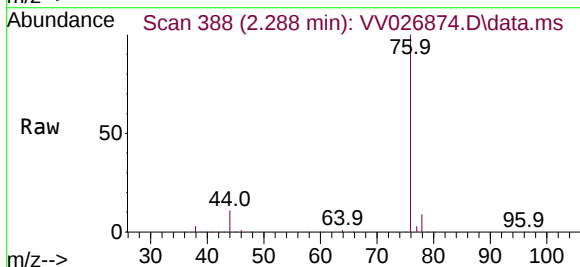
Acq: 21 Jul 2022 14:59

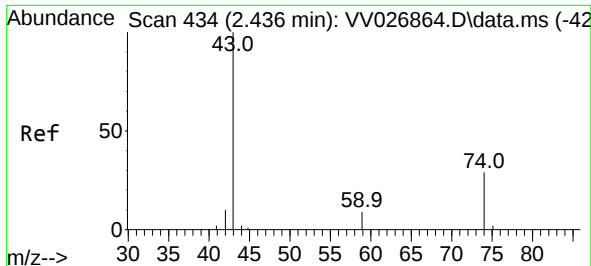
Tgt Ion: 76 Resp: 276973

Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5

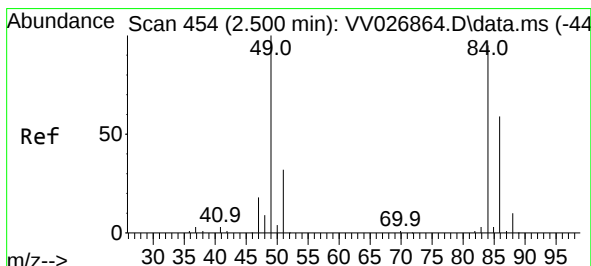
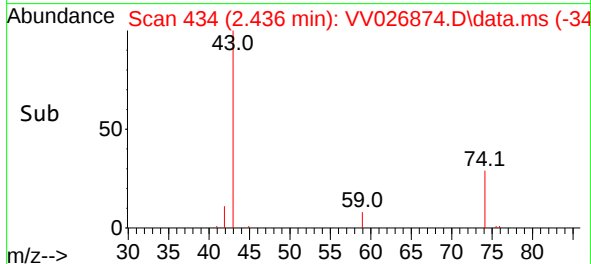
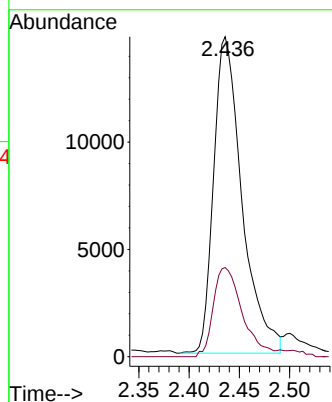
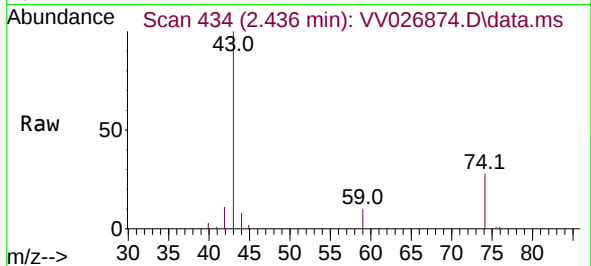




#15  
Methyl Acetate  
Concen: 5.623 ug/L  
RT: 2.436 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

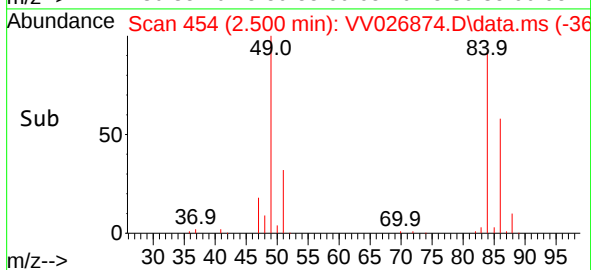
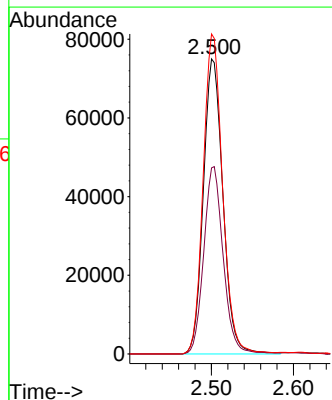
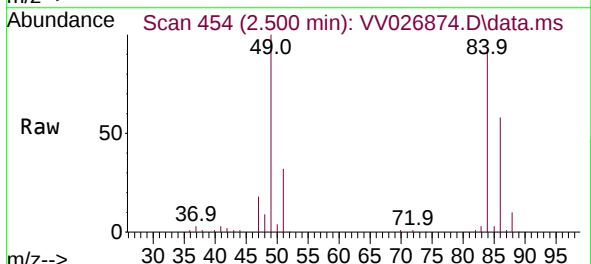
Instrument :  
MSVOA\_V  
ClientSampleId :

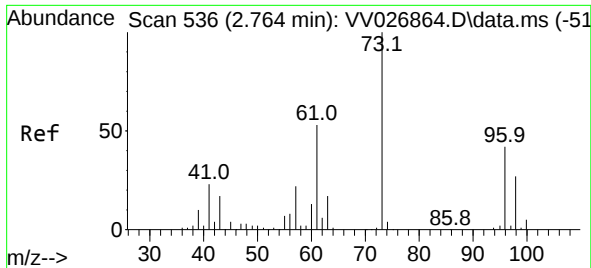
Tgt Ion: 43 Resp: 28941  
Ion Ratio Lower Upper  
43 100  
74 28.9 20.1 30.1



#16  
Methylene chloride  
Concen: 5.610 ug/L  
RT: 2.500 min Scan# 454  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion: 84 Resp: 124468  
Ion Ratio Lower Upper  
84 100  
86 63.1 44.8 83.2  
49 108.5 78.7 146.1

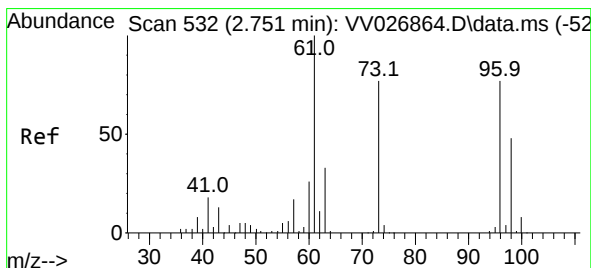
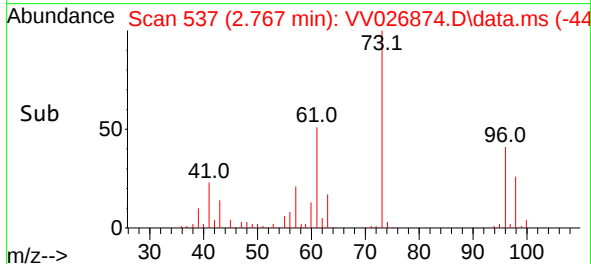
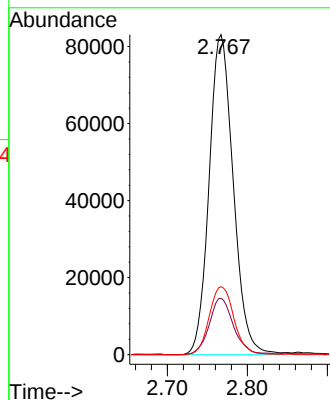
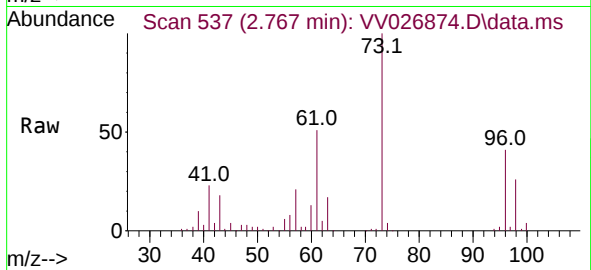




#17  
Methyl tert-butyl Ether  
Concen: 5.434 ug/L  
RT: 2.767 min Scan# 51  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

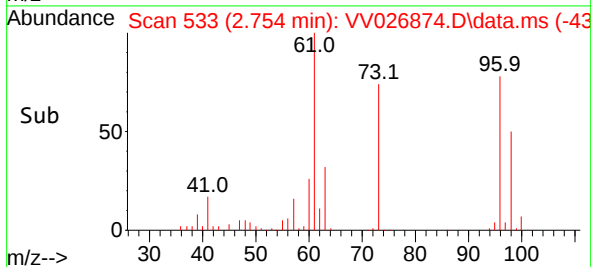
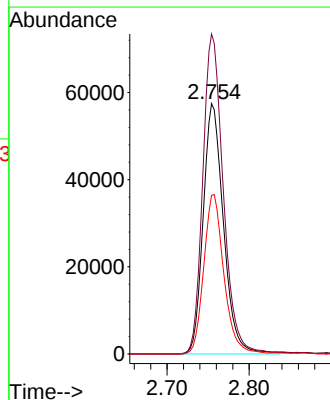
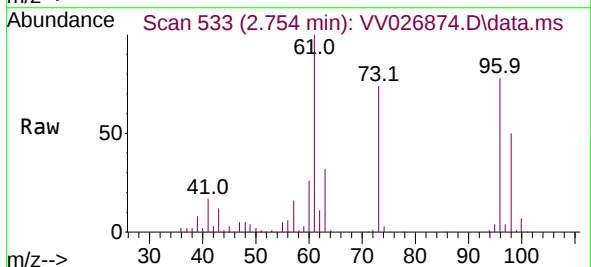
Instrument :  
MSVOA\_V  
ClientSampleId :

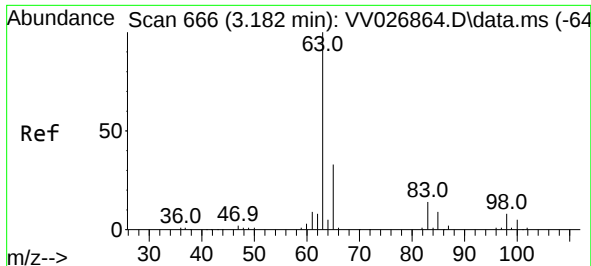
Tgt Ion: 73 Resp: 174364  
Ion Ratio Lower Upper  
73 100  
43 18.0 14.0 21.0  
57 21.7 17.6 26.4



#18  
trans-1,2-Dichloroethene  
Concen: 5.767 ug/L  
RT: 2.754 min Scan# 533  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion: 96 Resp: 98714  
Ion Ratio Lower Upper  
96 100  
61 127.8 94.7 175.9  
98 63.3 47.4 88.0





#19

1,1-Dichloroethane

Concen: 6.002 ug/L

RT: 3.185 min Scan# 6

Delta R.T. 0.003 min

Lab File: VV026874.D

Acq: 21 Jul 2022 14:59

Instrument :

MSVOA\_V

ClientSampleId :

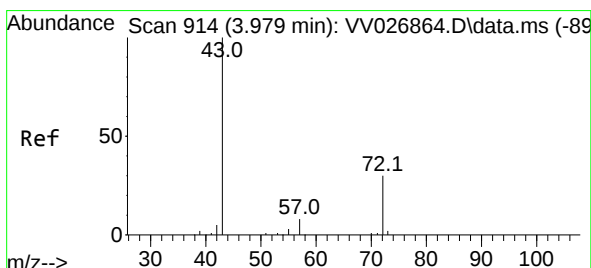
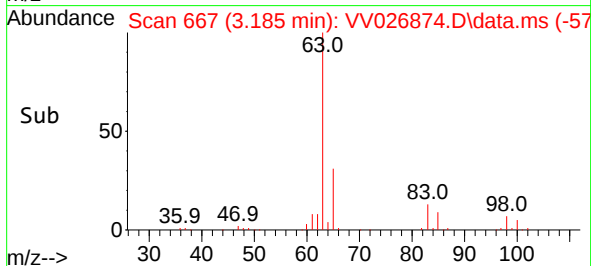
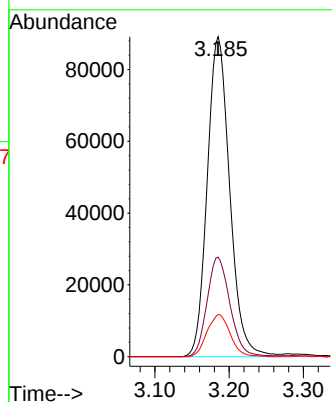
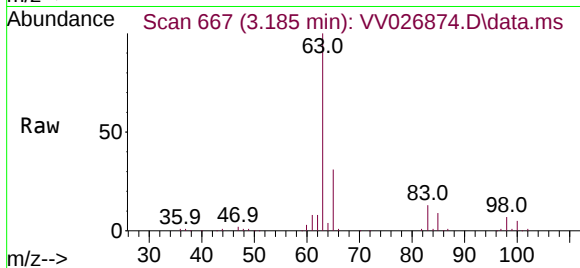
Tgt Ion: 63 Resp: 187613

Ion Ratio Lower Upper

63 100

65 31.1 22.3 41.3

83 13.2 9.9 18.5



#21

2-Butanone

Concen: 61.414 ug/L

RT: 3.970 min Scan# 911

Delta R.T. -0.009 min

Lab File: VV026874.D

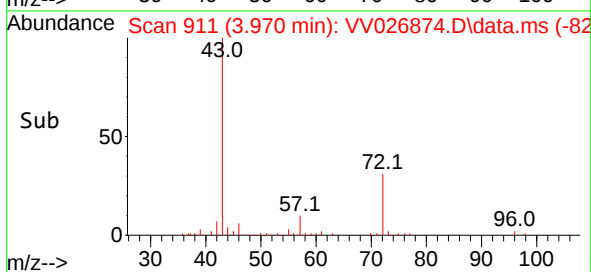
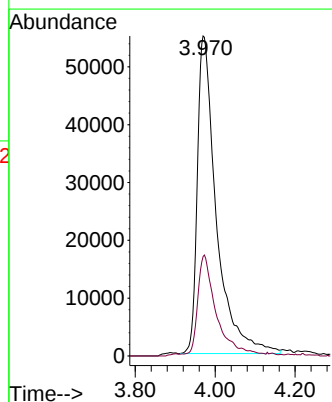
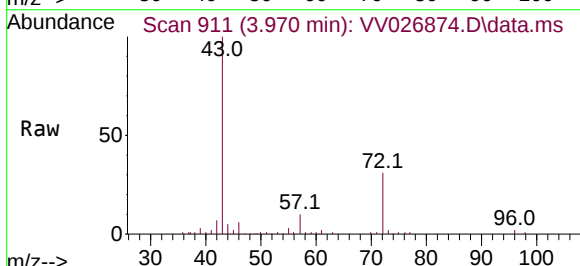
Acq: 21 Jul 2022 14:59

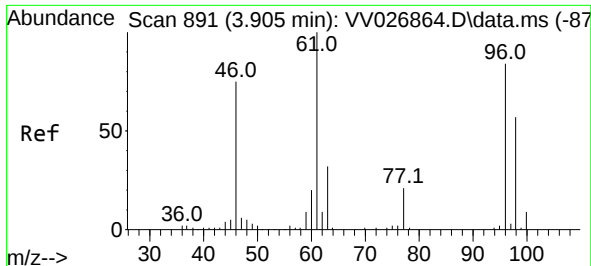
Tgt Ion: 43 Resp: 182258

Ion Ratio Lower Upper

43 100

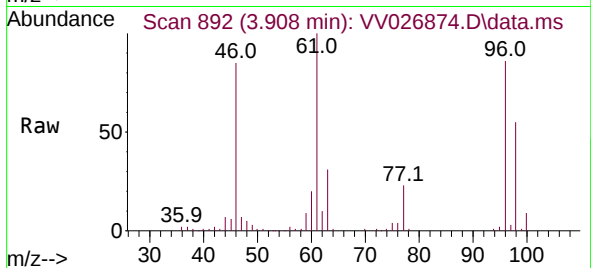
72 28.2 13.9 41.7



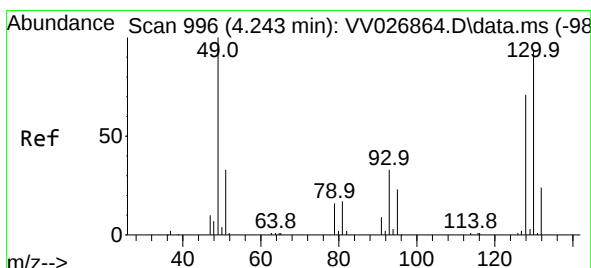
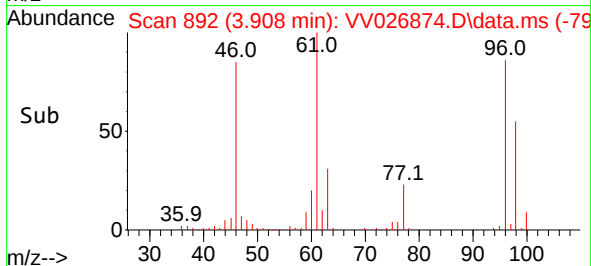
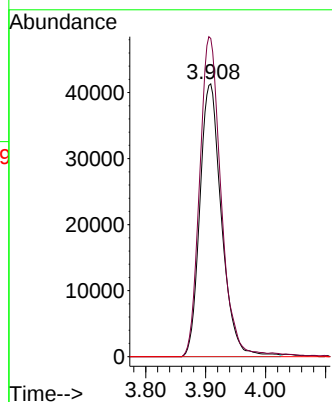


#22  
 cis-1,2-Dichloroethene  
 Concen: 6.011 ug/L  
 RT: 3.908 min Scan# 891  
 Delta R.T. 0.003 min  
 Lab File: VV026874.D  
 Acq: 21 Jul 2022 14:59

Instrument :  
 MSVOA\_V  
 ClientSampleId :

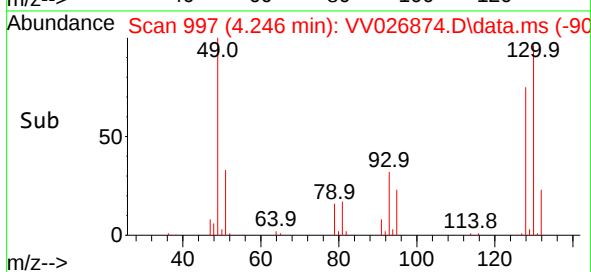
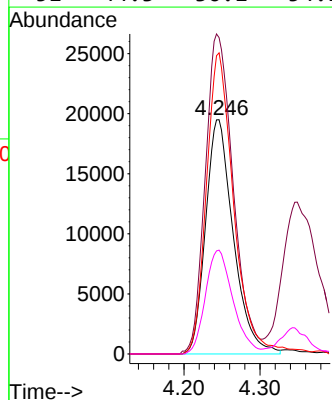
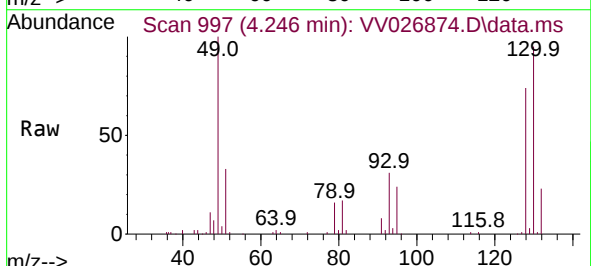


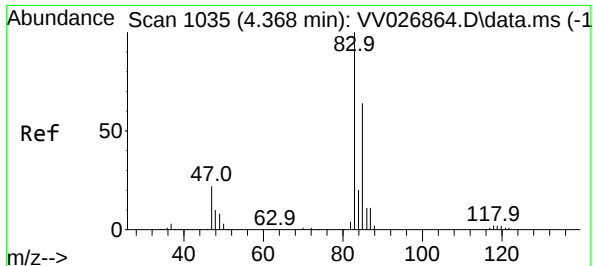
Tgt Ion: 96 Resp: 103775  
 Ion Ratio Lower Upper  
 96 100  
 61 116.7 83.9 155.9  
 68 0.0 0.0 0.0



#23  
 Bromochloromethane  
 Concen: 6.199 ug/L  
 RT: 4.246 min Scan# 997  
 Delta R.T. 0.003 min  
 Lab File: VV026874.D  
 Acq: 21 Jul 2022 14:59

Tgt Ion: 128 Resp: 49307  
 Ion Ratio Lower Upper  
 128 100  
 49 135.0 107.2 199.2  
 130 128.5 87.1 161.7  
 51 44.3 36.1 54.1

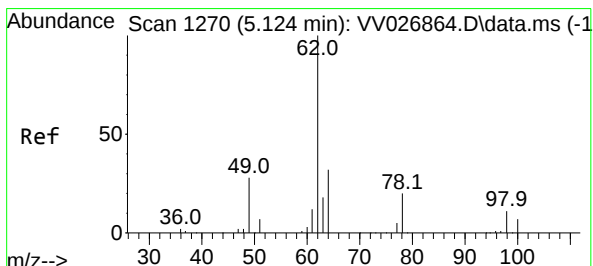
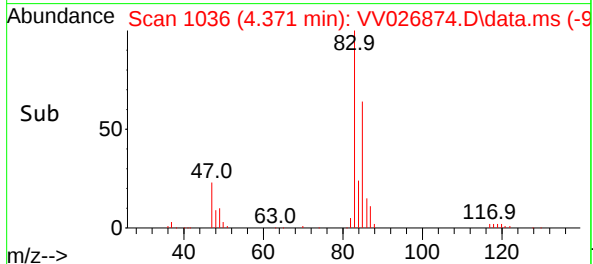
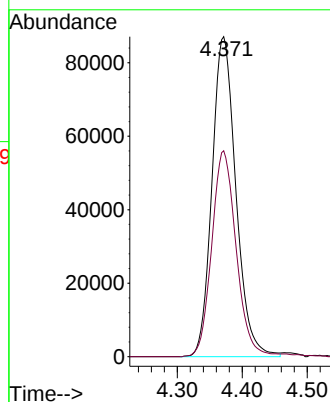
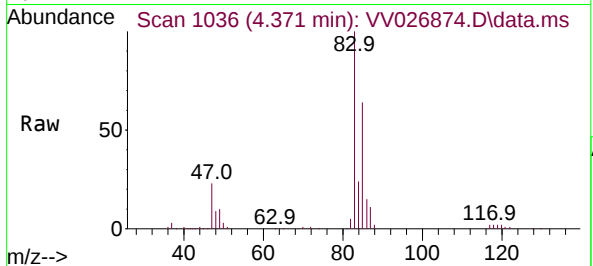




#25  
Chloroform  
Concen: 6.801 ug/L  
RT: 4.371 min Scan# 1036  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

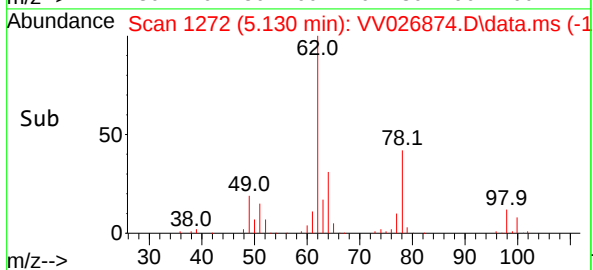
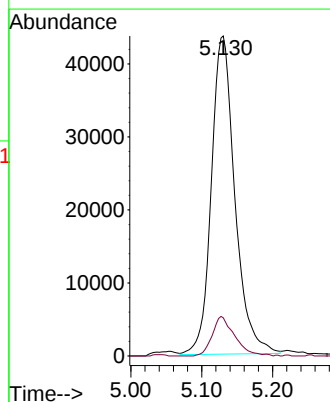
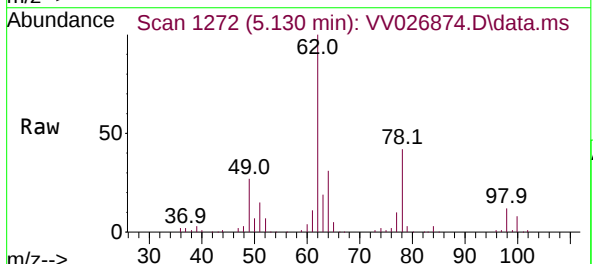
Instrument :  
MSVOA\_V  
ClientSampleId :

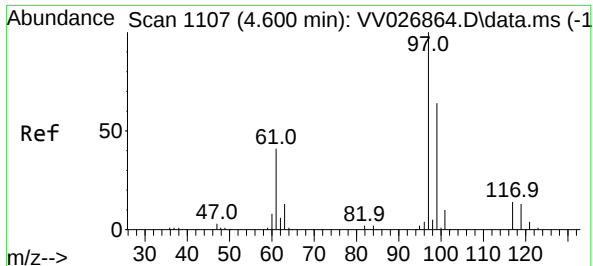
Tgt Ion: 83 Resp: 222665  
Ion Ratio Lower Upper  
83 100  
85 64.4 45.7 84.9



#27  
1,2-Dichloroethane  
Concen: 5.707 ug/L  
RT: 5.130 min Scan# 1272  
Delta R.T. 0.007 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion: 62 Resp: 100676  
Ion Ratio Lower Upper  
62 100  
98 11.9 8.3 12.5





#29

1,1,1-Trichloroethane

Concen: 5.778 ug/L

RT: 4.603 min Scan# 1107

Delta R.T. 0.003 min

Lab File: VV026874.D

Acq: 21 Jul 2022 14:59

Instrument :

MSVOA\_V

ClientSampleId :

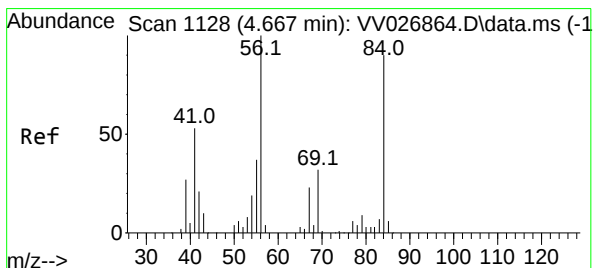
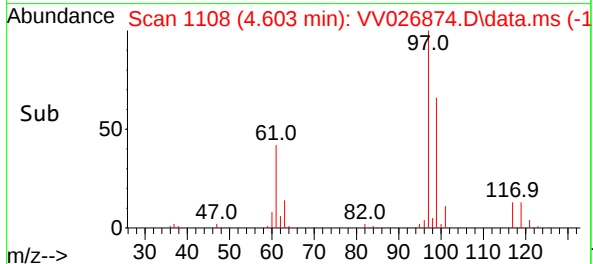
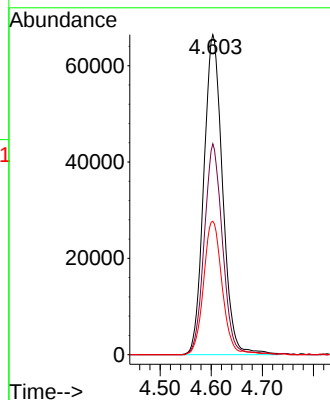
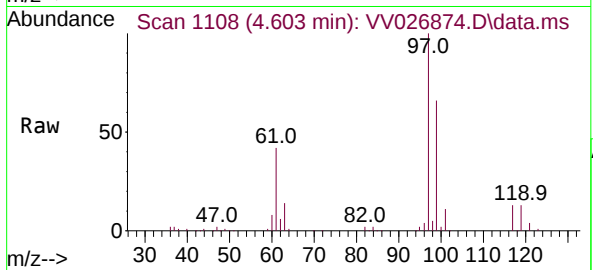
Tgt Ion: 97 Resp: 169750

Ion Ratio Lower Upper

97 100

99 63.7 51.3 76.9

61 40.4 35.1 52.7



#30

Cyclohexane

Concen: 5.045 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.007 min

Lab File: VV026874.D

Acq: 21 Jul 2022 14:59

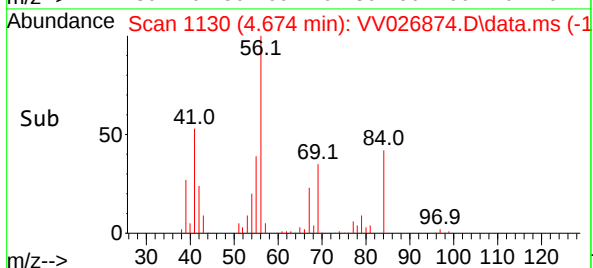
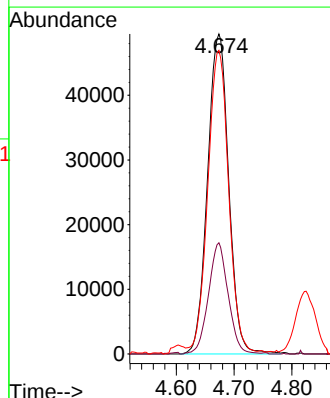
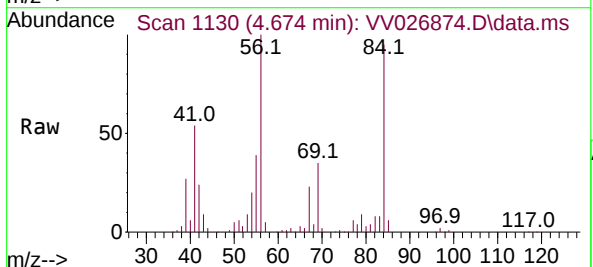
Tgt Ion: 56 Resp: 126299

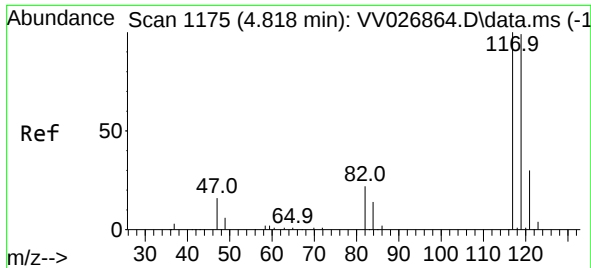
Ion Ratio Lower Upper

56 100

69 32.2 25.1 37.7

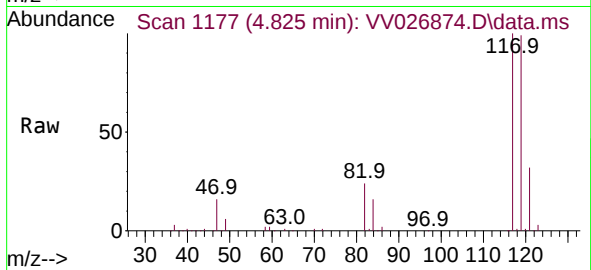
84 92.2 74.0 111.0



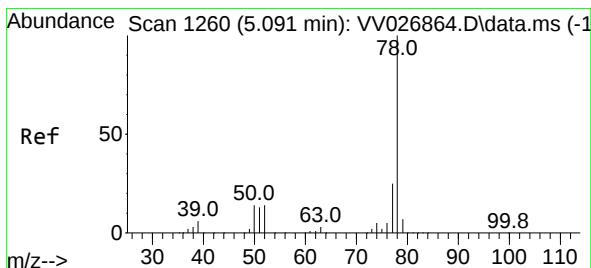
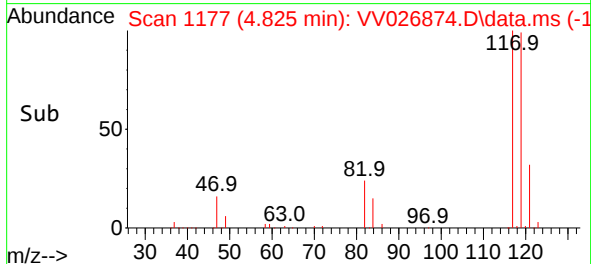
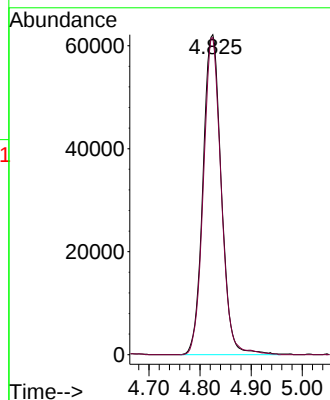


#31  
Carbon tetrachloride  
Concen: 5.984 ug/L  
RT: 4.825 min Scan# 1175  
Delta R.T. 0.007 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Instrument :  
MSVOA\_V  
ClientSampleId :

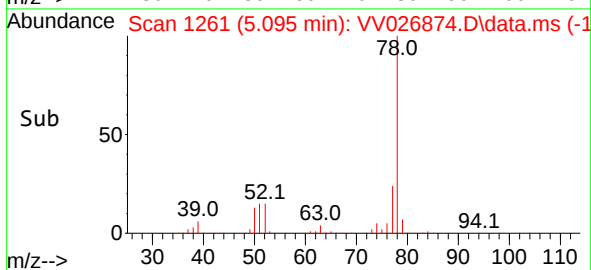
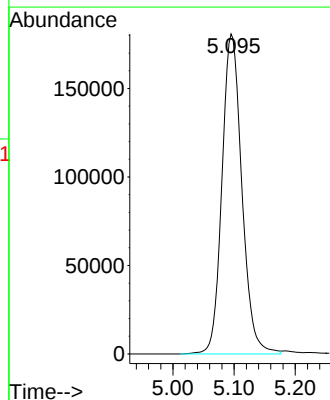
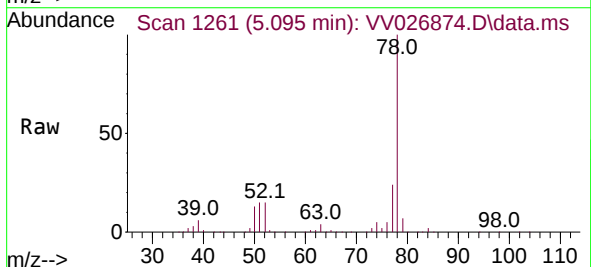


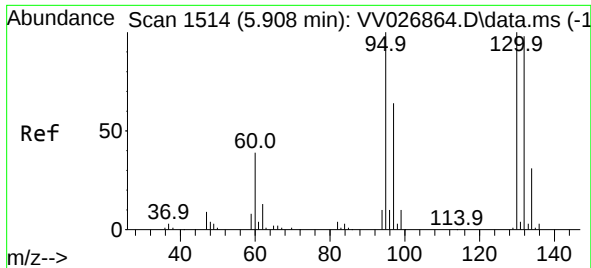
Tgt Ion:117 Resp: 155273  
Ion Ratio Lower Upper  
117 100  
119 95.1 75.1 112.7



#33  
Benzene  
Concen: 5.610 ug/L  
RT: 5.095 min Scan# 1261  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion: 78 Resp: 408864

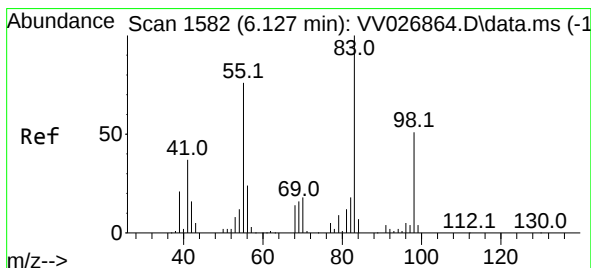
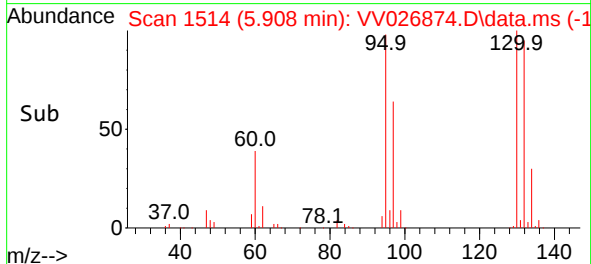
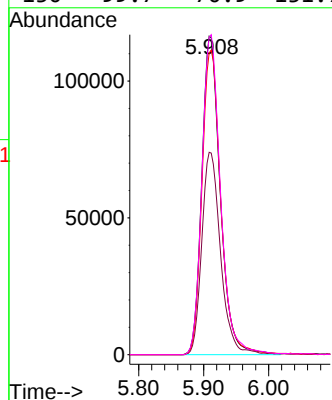
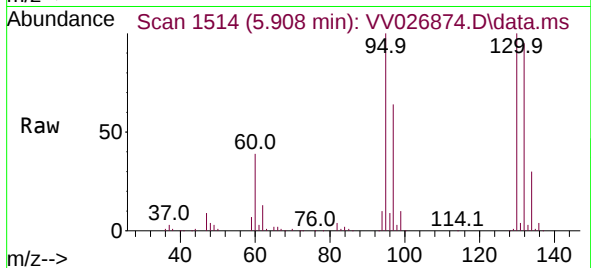




#34  
Trichloroethene  
Concen: 12.908 ug/L  
RT: 5.908 min Scan# 1514  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

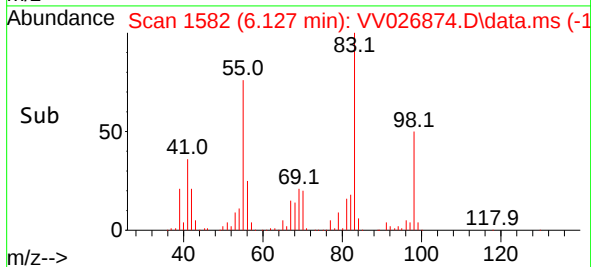
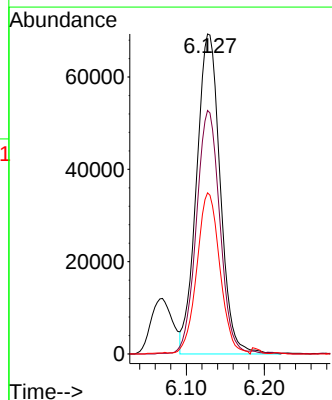
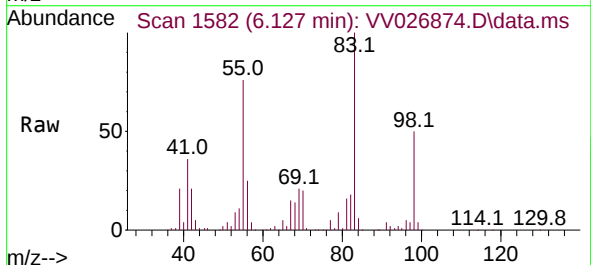
Instrument :  
MSVOA\_V  
ClientSampleId :

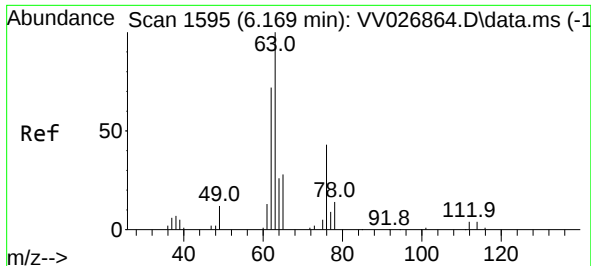
Tgt Ion: 95 Resp: 231229  
Ion Ratio Lower Upper  
95 100  
97 63.5 44.6 82.8  
132 94.7 70.2 130.4  
130 99.7 70.9 131.7



#35  
Methylcyclohexane  
Concen: 5.355 ug/L  
RT: 6.127 min Scan# 1582  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion: 83 Resp: 146409  
Ion Ratio Lower Upper  
83 100  
55 75.5 59.5 89.3  
98 49.0 38.3 57.5





#37

1,2-Dichloropropane

Concen: 5.956 ug/L

RT: 6.172 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV026874.D

Acq: 21 Jul 2022 14:59

Instrument :

MSVOA\_V

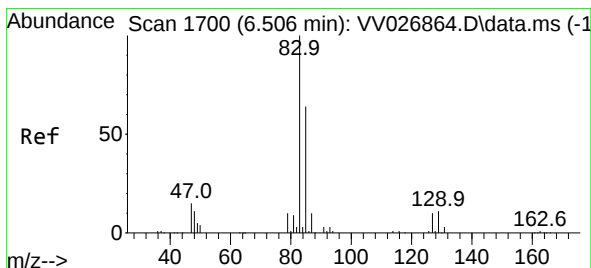
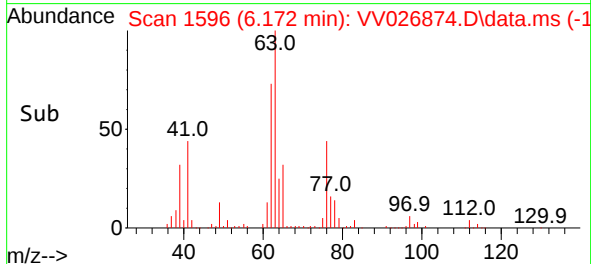
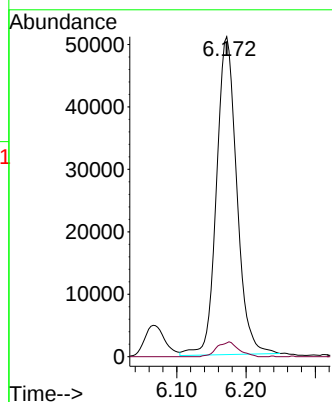
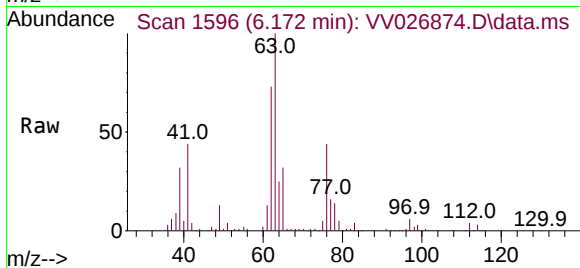
ClientSampleId :

Tgt Ion: 63 Resp: 103809

Ion Ratio Lower Upper

63 100

112 5.0 4.2 6.2



#38

Bromodichloromethane

Concen: 5.789 ug/L

RT: 6.506 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VV026874.D

Acq: 21 Jul 2022 14:59

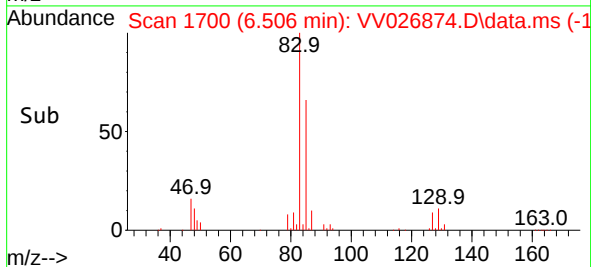
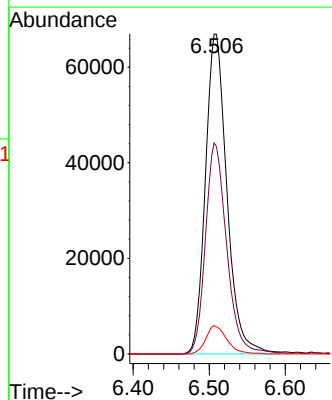
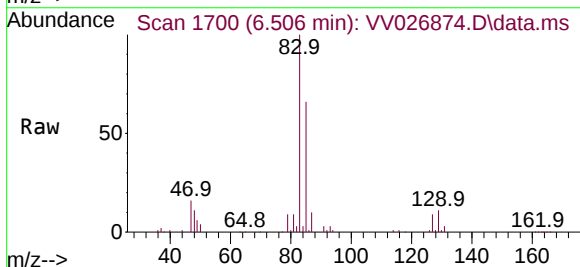
Tgt Ion: 83 Resp: 131541

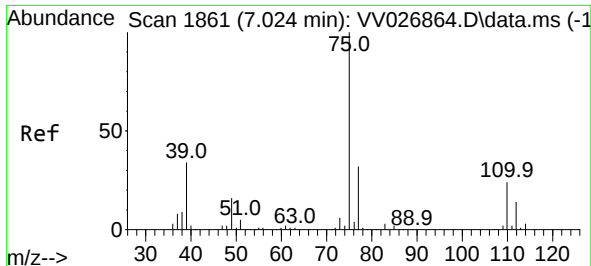
Ion Ratio Lower Upper

83 100

85 65.9 45.4 84.4

127 8.8 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 5.462 ug/L

RT: 7.027 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV026874.D

Acq: 21 Jul 2022 14:59

Instrument :

MSVOA\_V

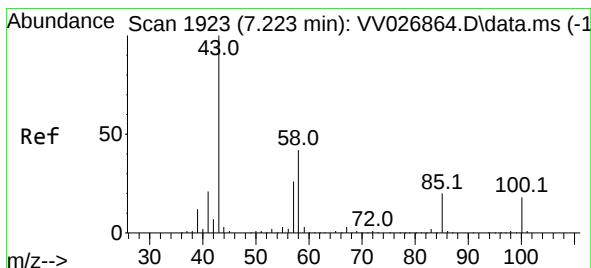
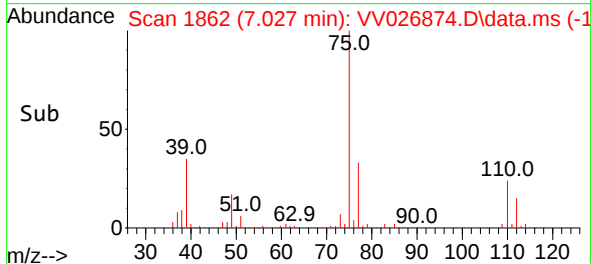
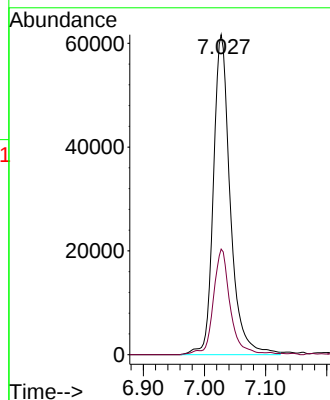
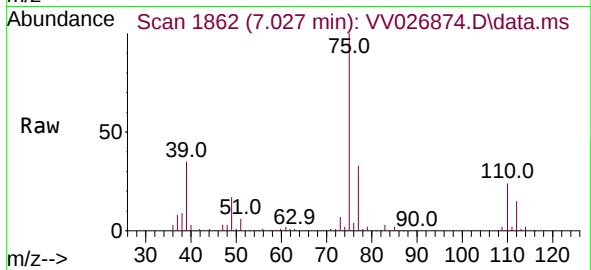
ClientSampleId :

Tgt Ion: 75 Resp: 118315

Ion Ratio Lower Upper

75 100

77 33.0 21.4 39.8



#40

4-Methyl-2-pentanone

Concen: 54.855 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV026874.D

Acq: 21 Jul 2022 14:59

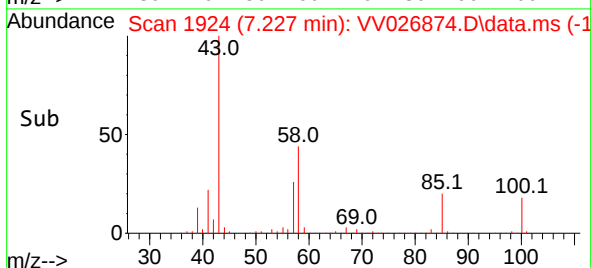
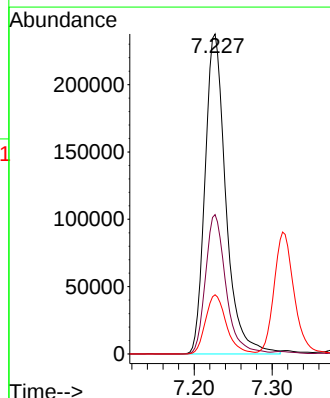
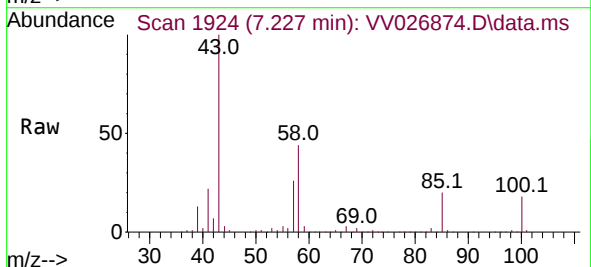
Tgt Ion: 43 Resp: 441634

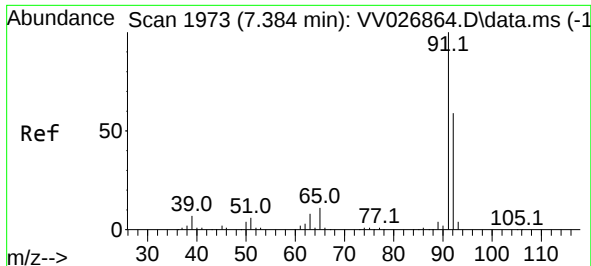
Ion Ratio Lower Upper

43 100

58 42.8 34.6 51.8

100 18.5 13.6 20.4

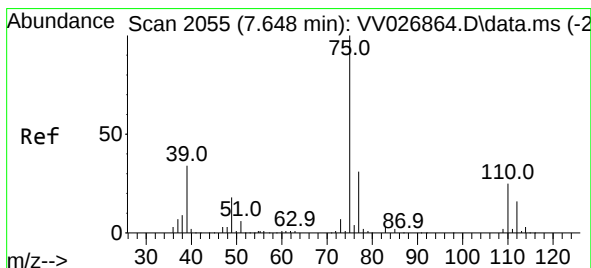
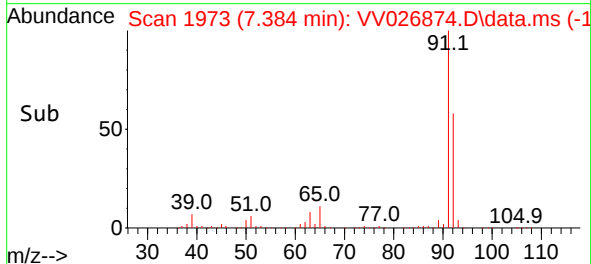
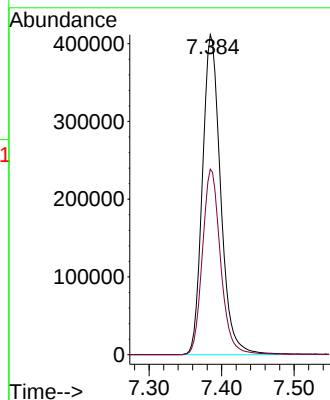
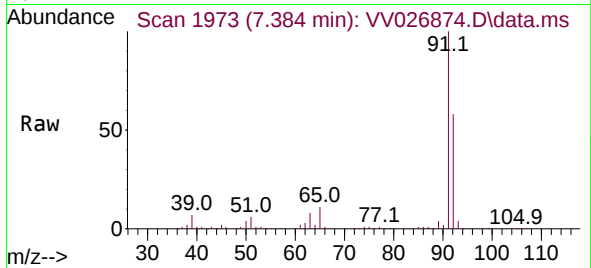




#42  
Toluene  
Concen: 9.758 ug/L  
RT: 7.384 min Scan# 1973  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

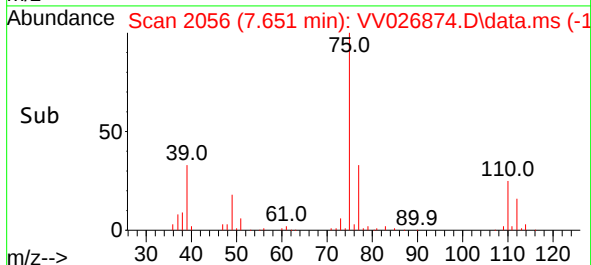
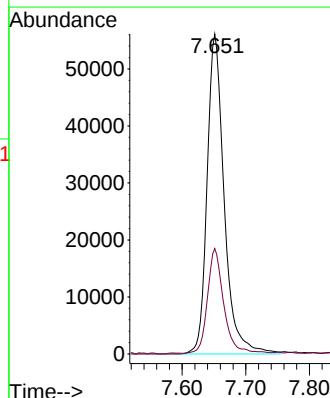
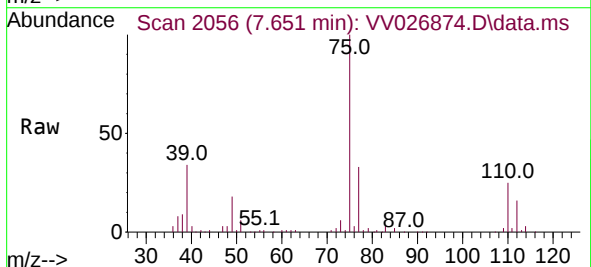
Instrument :  
MSVOA\_V  
ClientSampleId :

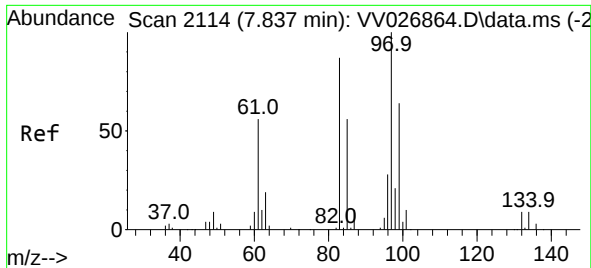
Tgt Ion: 91 Resp: 718318  
Ion Ratio Lower Upper  
91 100  
92 58.0 40.2 74.6



#44  
trans-1,3-Dichloropropene  
Concen: 5.885 ug/L  
RT: 7.651 min Scan# 2056  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion: 75 Resp: 104660  
Ion Ratio Lower Upper  
75 100  
77 32.9 22.7 42.3

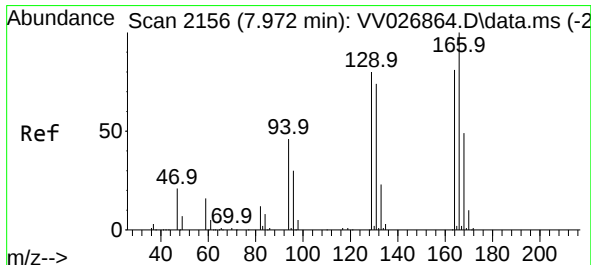
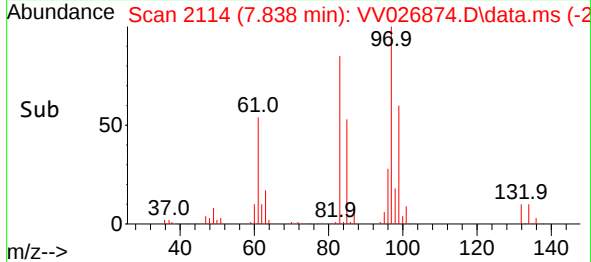
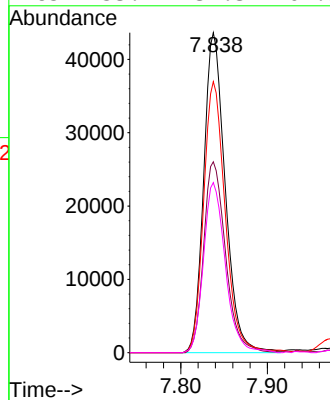
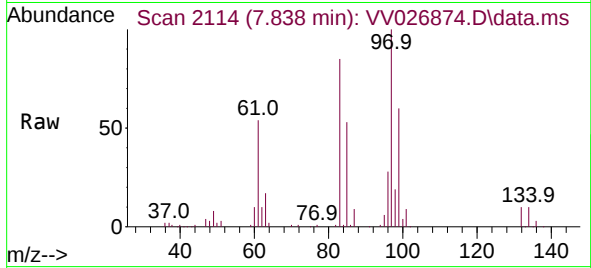




#45  
1,1,2-Trichloroethane  
Concen: 5.917 ug/L  
RT: 7.838 min Scan# 2114  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

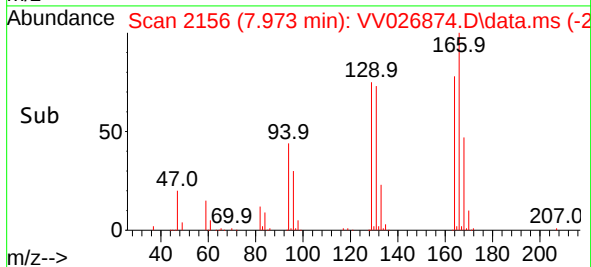
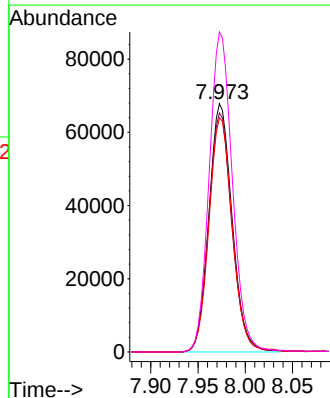
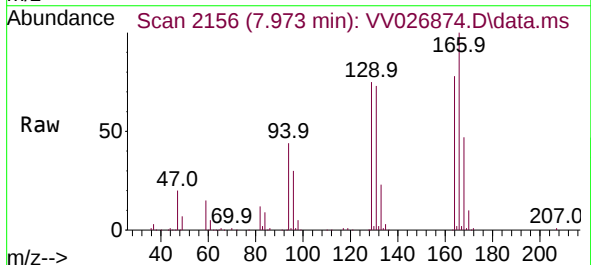
Instrument :  
MSVOA\_V  
ClientSampleId :

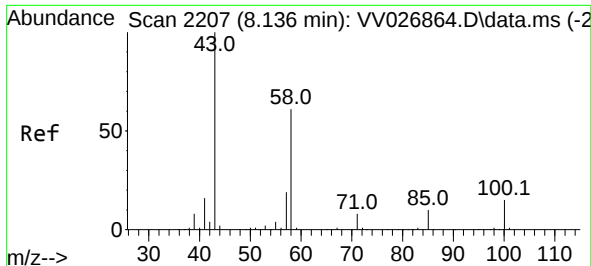
|             |             |
|-------------|-------------|
| Tgt Ion: 97 | Resp: 75384 |
| Ion Ratio   | Lower Upper |
| 97 100      |             |
| 99 59.7     | 41.9 77.9   |
| 83 84.7     | 58.1 107.9  |
| 85 53.2     | 37.3 69.3   |



#47  
Tetrachloroethene  
Concen: 8.249 ug/L  
RT: 7.973 min Scan# 2156  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

|     |         |       |        |
|-----|---------|-------|--------|
| Tgt | Ion:164 | Resp: | 115904 |
| Ion | Ratio   | Lower | Upper  |
| 164 | 100     |       |        |
| 129 | 96.2    | 67.8  | 125.8  |
| 131 | 94.3    | 65.9  | 122.5  |
| 166 | 128.8   | 88.8  | 164.8  |

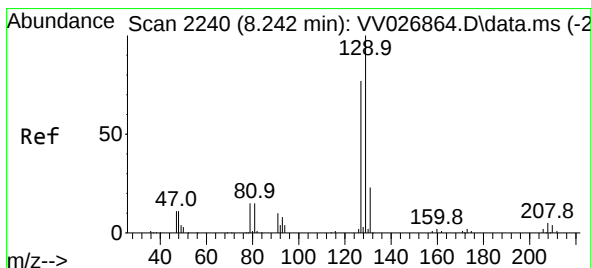
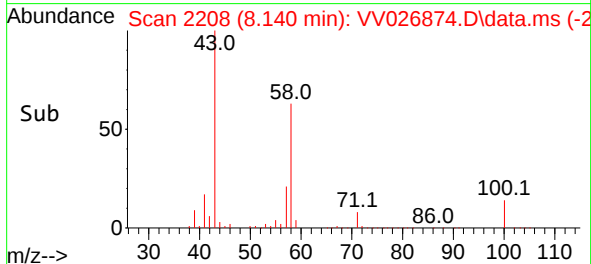
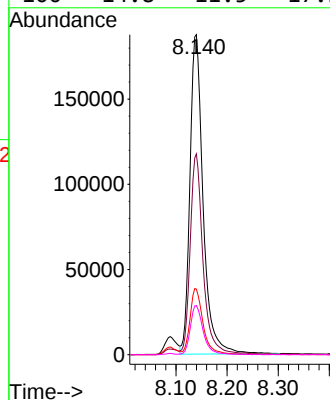
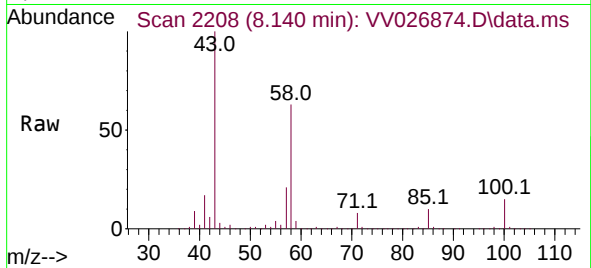




#48  
2-Hexanone  
Concen: 57.724 ug/L  
RT: 8.140 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

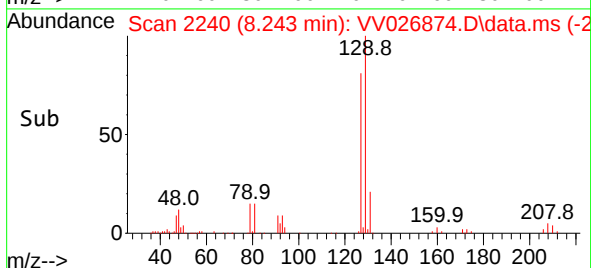
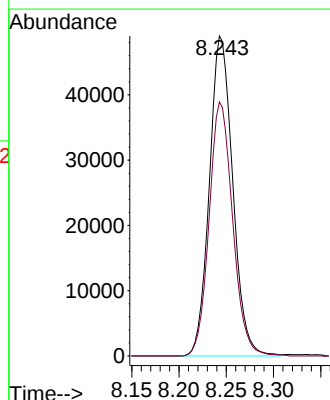
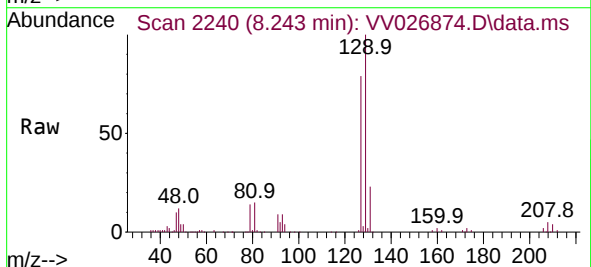
Instrument :  
MSVOA\_V  
ClientSampleId :

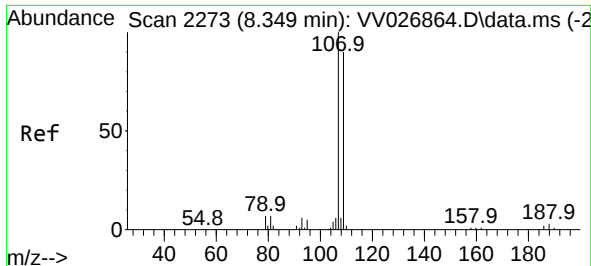
Tgt Ion: 43 Resp: 336351  
Ion Ratio Lower Upper  
43 100  
58 59.6 47.9 71.9  
57 20.2 16.3 24.5  
100 14.8 11.5 17.3



#49  
Dibromochloromethane  
Concen: 5.731 ug/L  
RT: 8.243 min Scan# 2240  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion: 129 Resp: 84149  
Ion Ratio Lower Upper  
129 100  
127 79.4 55.7 103.5





#50

1,2-Dibromoethane

Concen: 5.902 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV026874.D

Acq: 21 Jul 2022 14:59

Instrument :

MSVOA\_V

ClientSampleId :

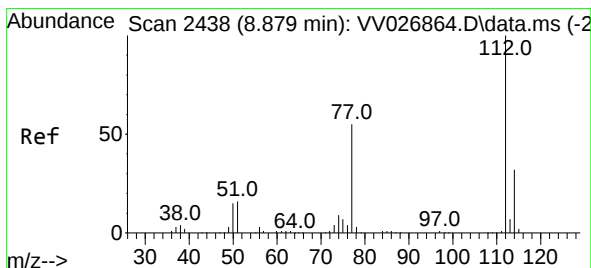
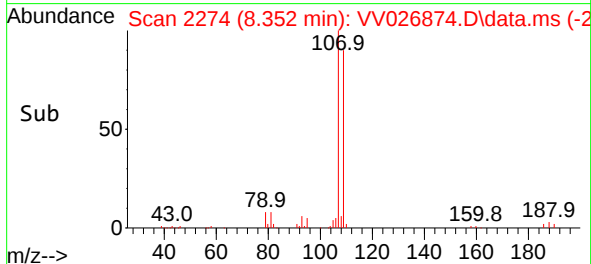
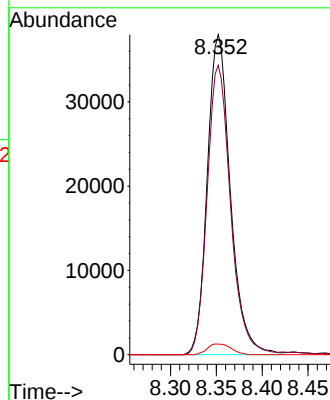
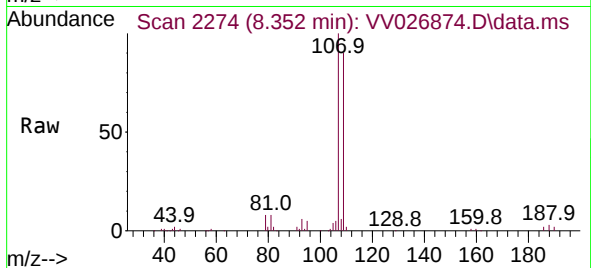
Tgt Ion:107 Resp: 66537

Ion Ratio Lower Upper

107 100

109 90.5 68.0 126.4

188 3.3 2.8 4.2



#51

Chlorobenzene

Concen: 5.820 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.000 min

Lab File: VV026874.D

Acq: 21 Jul 2022 14:59

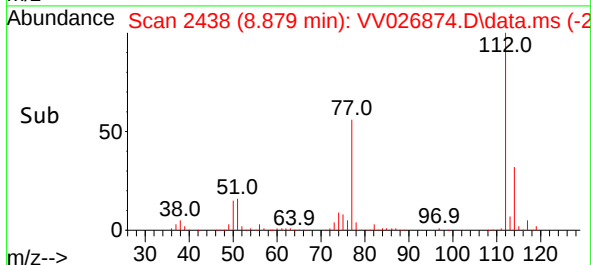
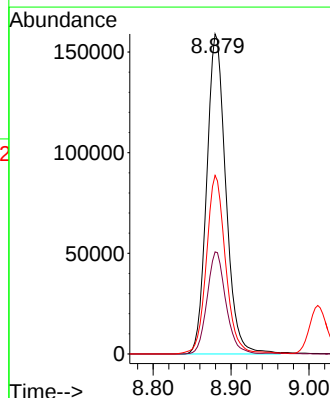
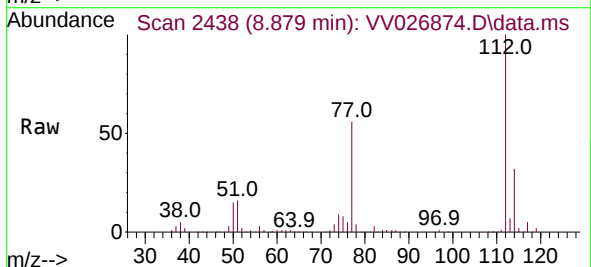
Tgt Ion:112 Resp: 270859

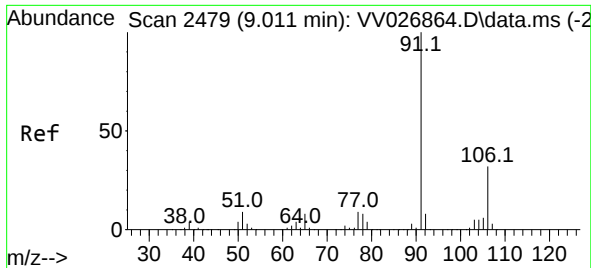
Ion Ratio Lower Upper

112 100

114 31.9 22.7 42.1

77 55.8 46.6 70.0

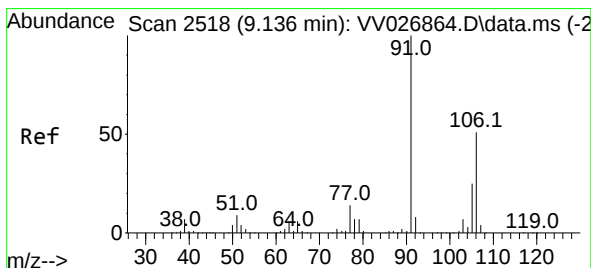
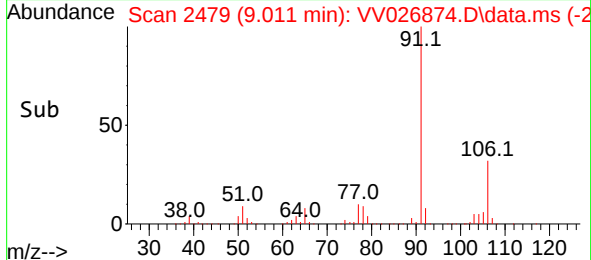
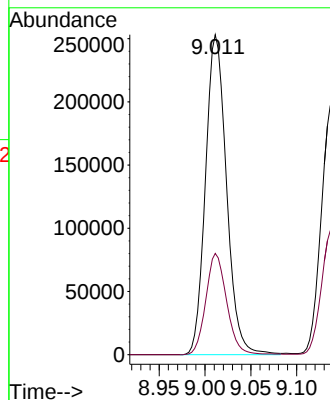
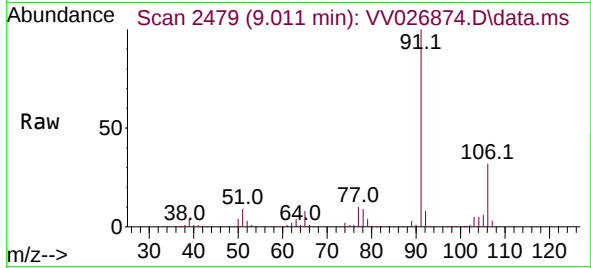




#52  
Ethylbenzene  
Concen: 5.549 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

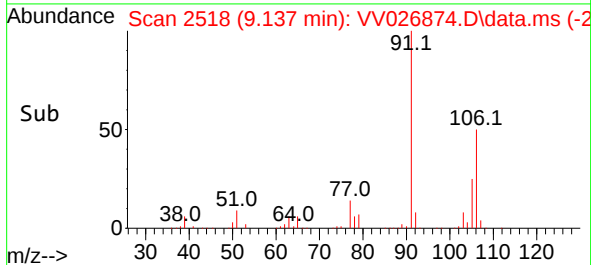
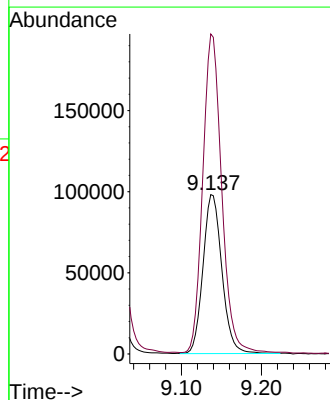
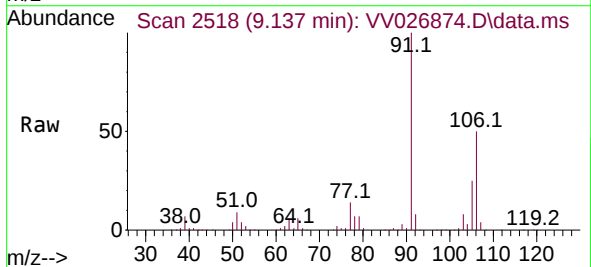
Instrument :  
MSVOA\_V  
ClientSampleId :

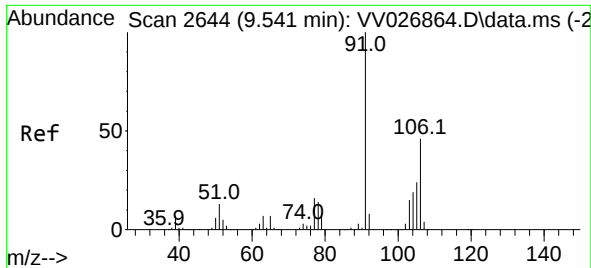
Tgt Ion: 91 Resp: 404267  
Ion Ratio Lower Upper  
91 100  
106 31.7 21.6 40.2



#53  
m,p-Xylene  
Concen: 5.692 ug/L  
RT: 9.137 min Scan# 2518  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion: 106 Resp: 161255  
Ion Ratio Lower Upper  
106 100  
91 200.8 139.3 258.7

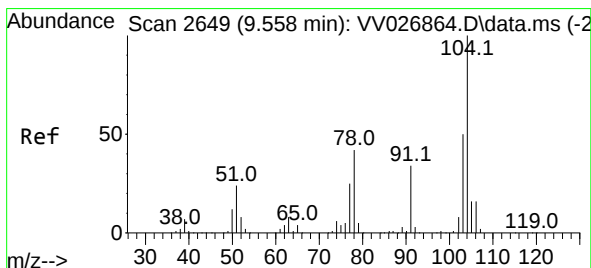
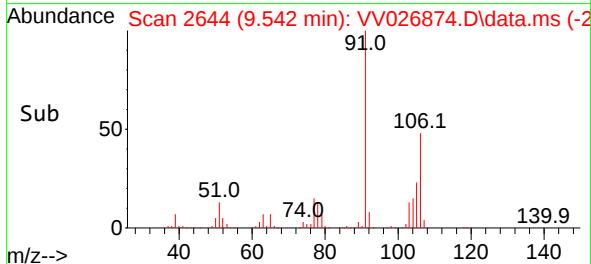
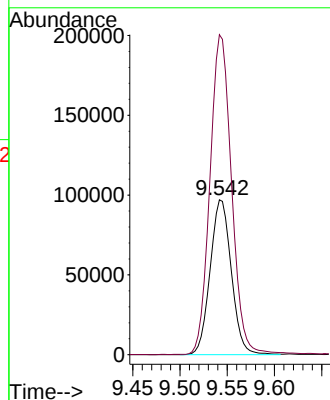
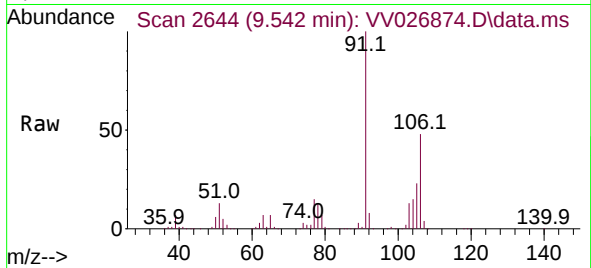




#54  
o-Xylene  
Concen: 5.621 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

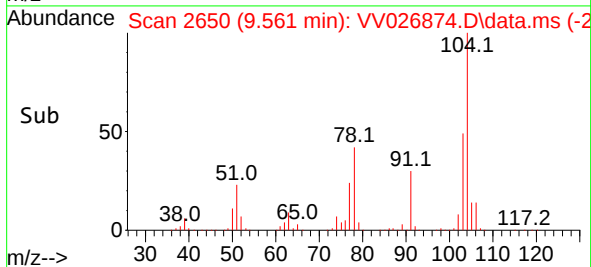
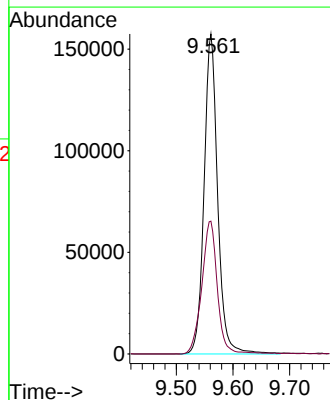
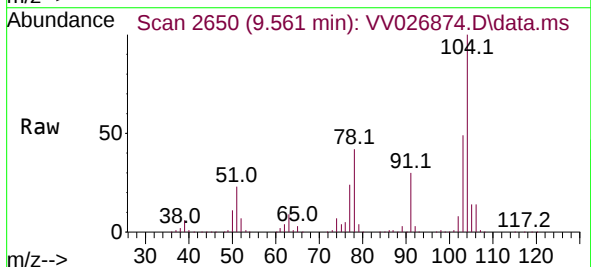
Instrument :  
MSVOA\_V  
ClientSampleId :

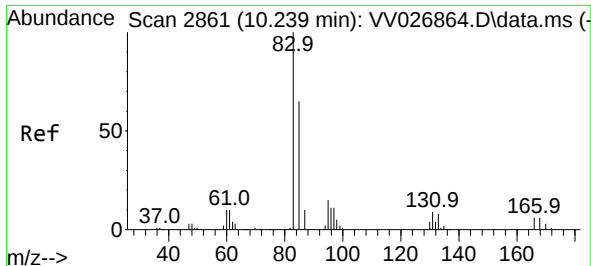
Tgt Ion:106 Resp: 151334  
Ion Ratio Lower Upper  
106 100  
91 206.6 151.1 280.7



#55  
Styrene  
Concen: 5.555 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion:104 Resp: 262109  
Ion Ratio Lower Upper  
104 100  
78 41.5 29.5 54.9

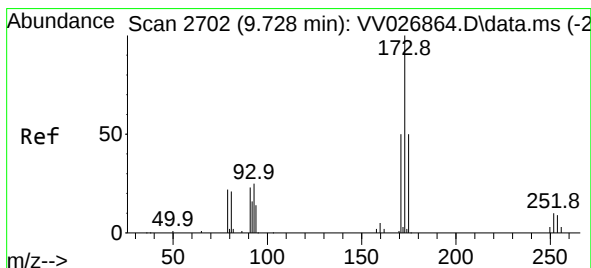
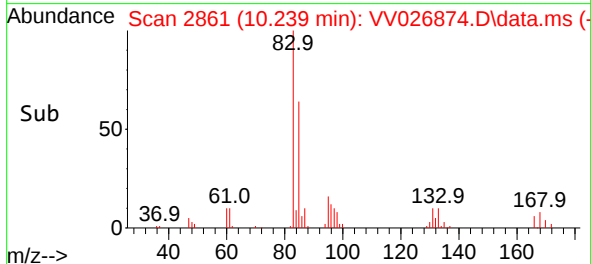
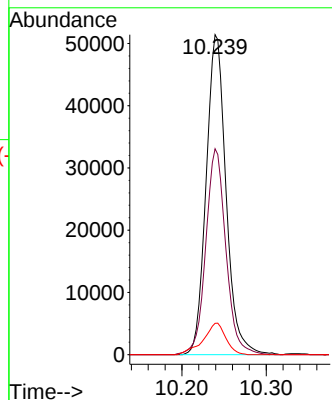
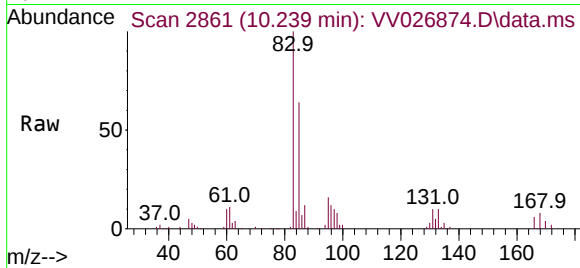




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 5.608 ug/L  
 RT: 10.239 min Scan# 2861  
 Delta R.T. 0.000 min  
 Lab File: VV026874.D  
 Acq: 21 Jul 2022 14:59

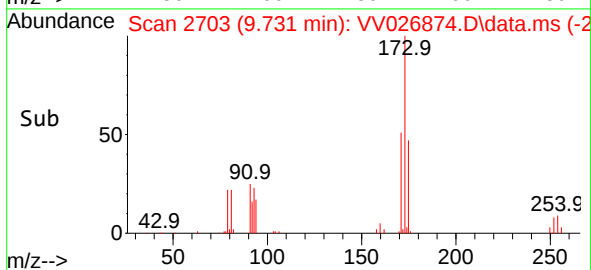
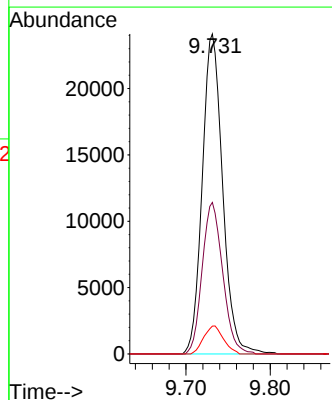
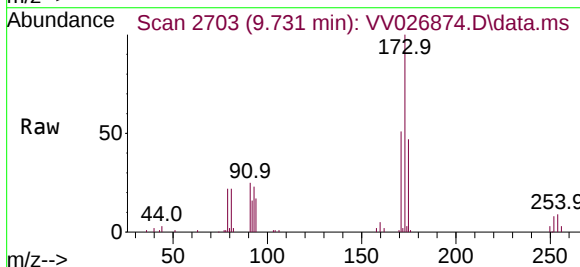
Instrument :  
 MSVOA\_V  
 ClientSampleId :

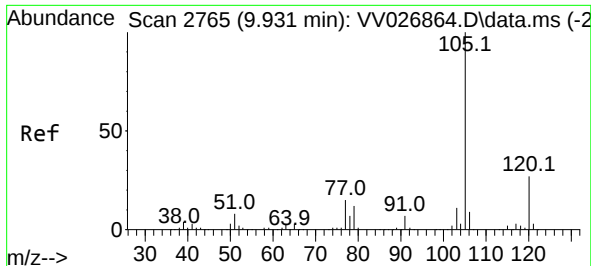
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 84587 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.4  | 43.6  | 81.0  |
| 131      | 9.8   | 7.4   | 11.2  |



#59  
 Bromoform  
 Concen: 5.236 ug/L  
 RT: 9.731 min Scan# 2703  
 Delta R.T. 0.003 min  
 Lab File: VV026874.D  
 Acq: 21 Jul 2022 14:59

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 40638 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 47.6  | 40.7  | 61.1  |
| 254      | 8.5   | 6.5   | 9.7   |

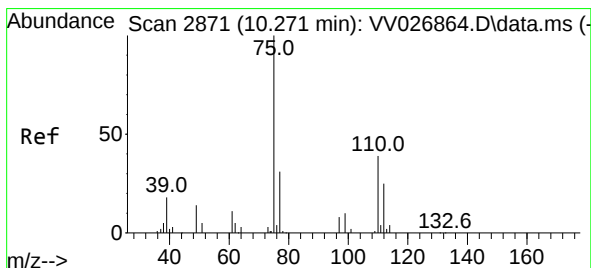
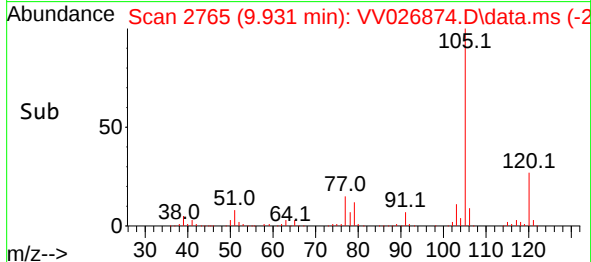
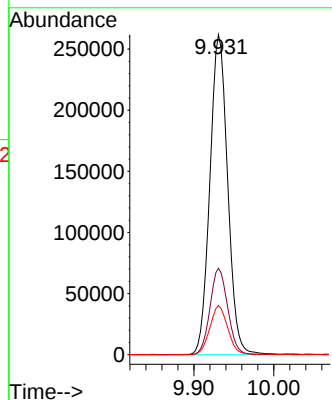
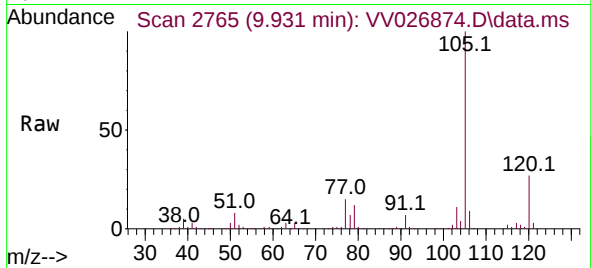




#60  
Isopropylbenzene  
Concen: 5.361 ug/L  
RT: 9.931 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

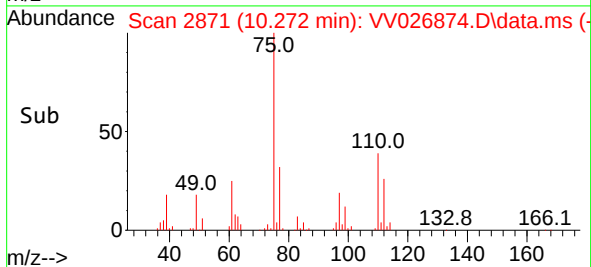
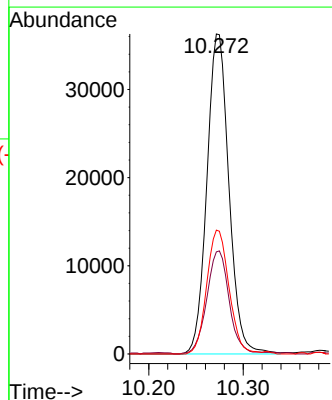
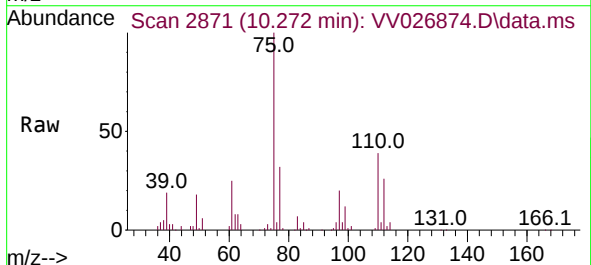
Instrument :  
MSVOA\_V  
ClientSampleId :

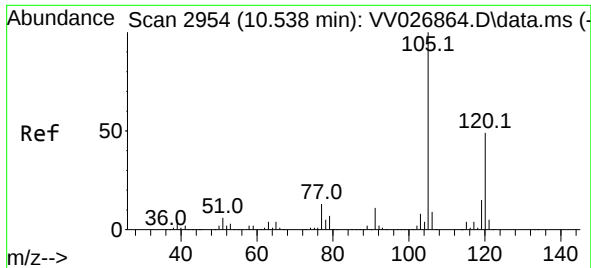
Tgt Ion:105 Resp: 404491  
Ion Ratio Lower Upper  
105 100  
120 26.8 20.7 31.1  
77 15.3 12.5 18.7



#61  
1,2,3-Trichloropropane  
Concen: 5.259 ug/L  
RT: 10.272 min Scan# 2871  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion: 75 Resp: 58672  
Ion Ratio Lower Upper  
75 100  
77 32.9 25.4 38.0  
110 39.2 31.8 47.6

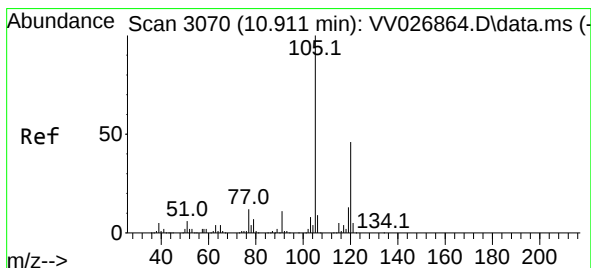
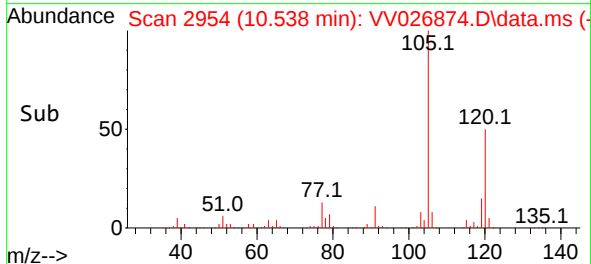
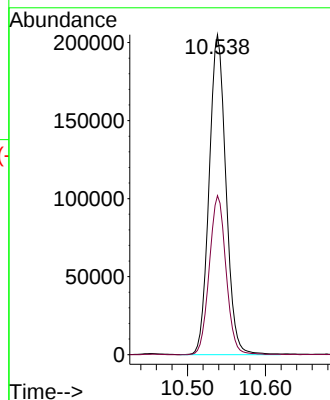
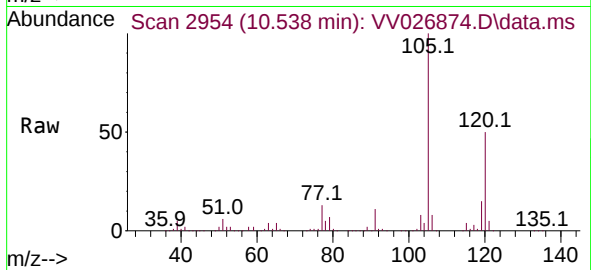




#62  
1,3,5-Trimethylbenzene  
Concen: 5.121 ug/L  
RT: 10.538 min Scan# 2954  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

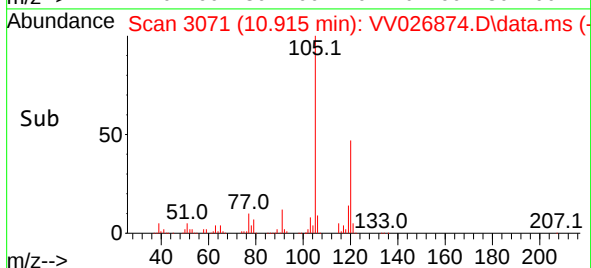
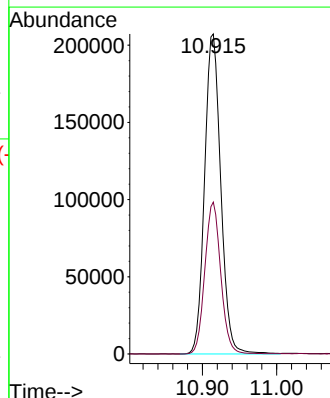
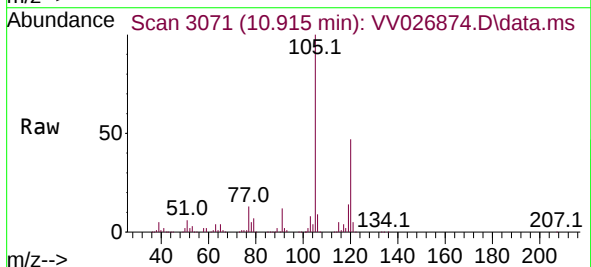
Instrument :  
MSVOA\_V  
ClientSampleId :

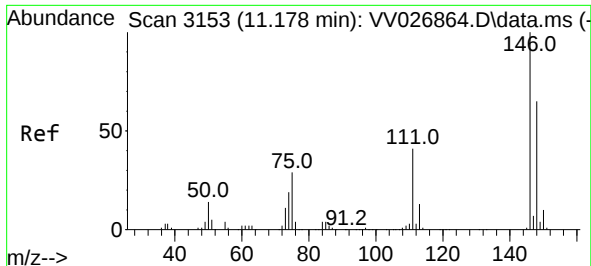
Tgt Ion:105 Resp: 307413  
Ion Ratio Lower Upper  
105 100  
120 49.5 39.6 59.4



#63  
1,2,4-Trimethylbenzene  
Concen: 5.148 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion:105 Resp: 313818  
Ion Ratio Lower Upper  
105 100  
120 46.6 36.8 55.2

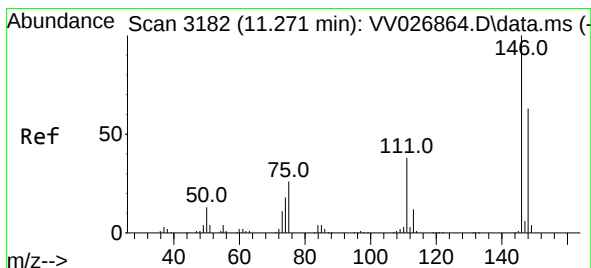
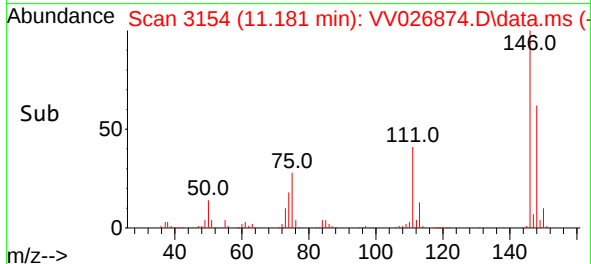
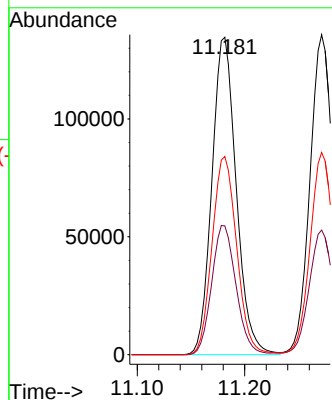
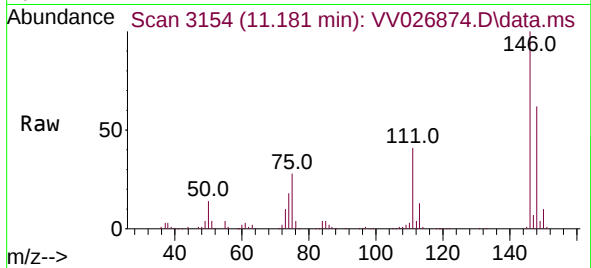




#64  
1,3-Dichlorobenzene  
Concen: 5.731 ug/L  
RT: 11.181 min Scan# 3153  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

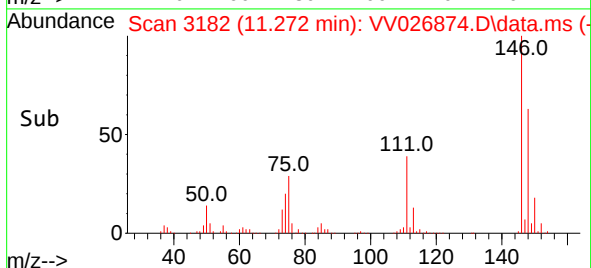
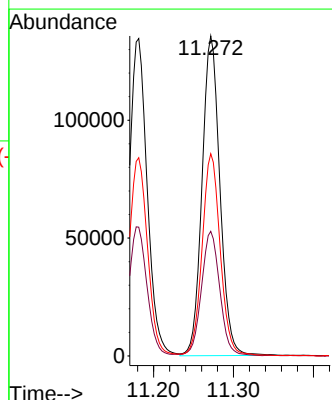
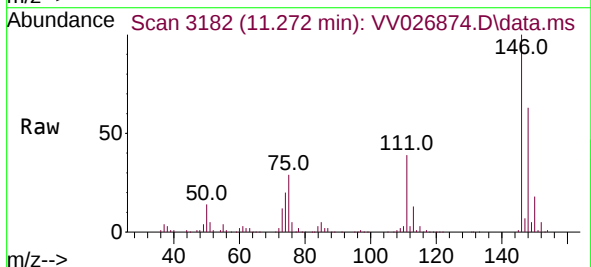
Instrument :  
MSVOA\_V  
ClientSampleId :

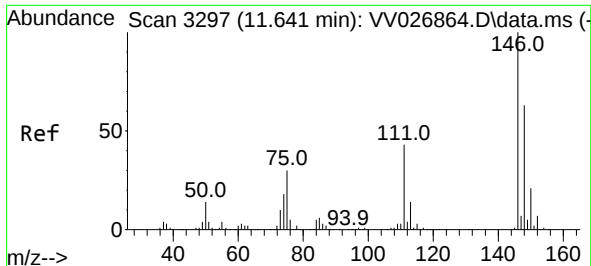
Tgt Ion:146 Resp: 211826  
Ion Ratio Lower Upper  
146 100  
111 40.6 27.9 51.7  
148 62.4 44.9 83.5



#65  
1,4-Dichlorobenzene  
Concen: 5.624 ug/L  
RT: 11.272 min Scan# 3182  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion:146 Resp: 211396  
Ion Ratio Lower Upper  
146 100  
111 39.0 26.8 49.8  
148 63.2 43.3 80.5

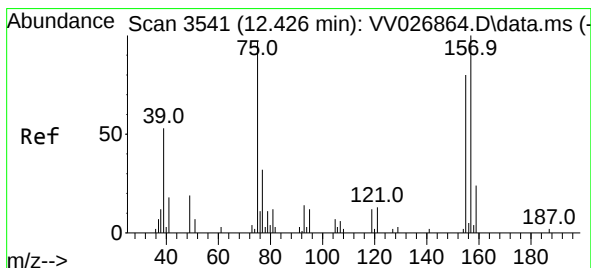
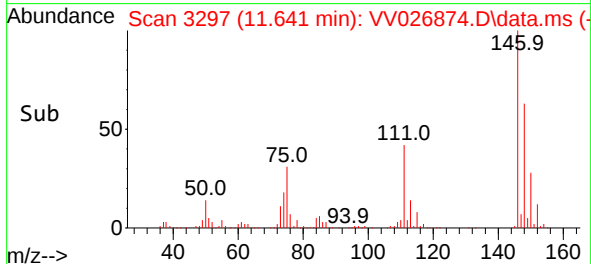
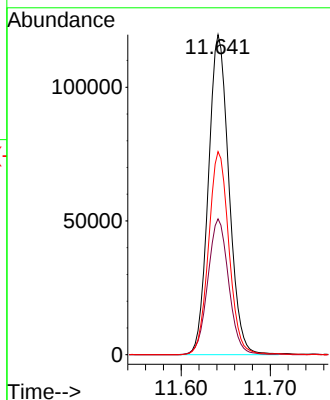
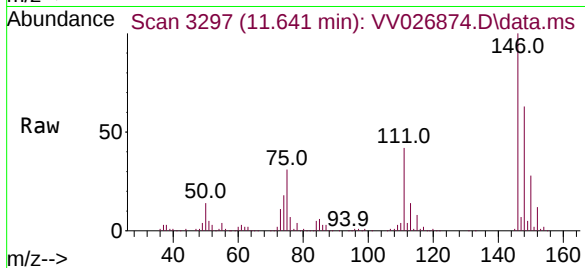




#67  
1,2-Dichlorobenzene  
Concen: 5.551 ug/L  
RT: 11.641 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

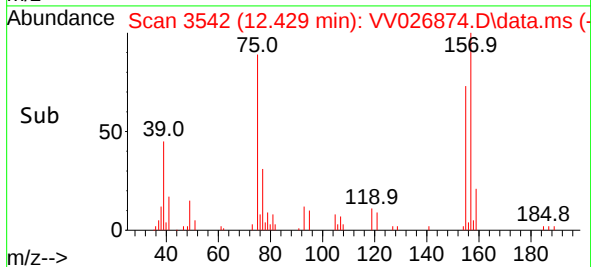
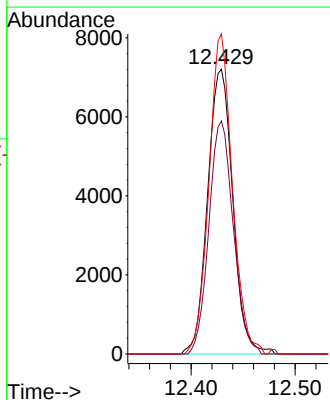
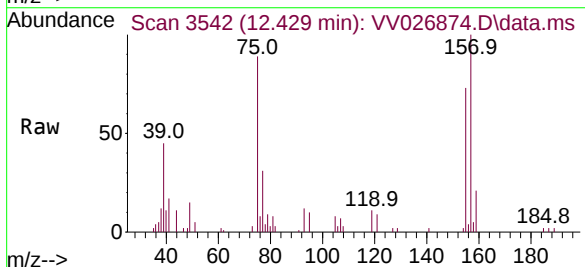
Instrument :  
MSVOA\_V  
ClientSampleId :

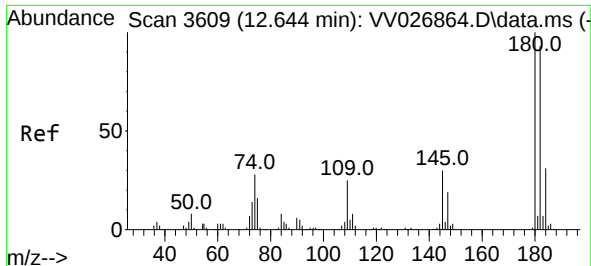
Tgt Ion:146 Resp: 191617  
Ion Ratio Lower Upper  
146 100  
111 42.4 34.6 52.0  
148 63.4 51.0 76.4



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.105 ug/L  
RT: 12.429 min Scan# 3542  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

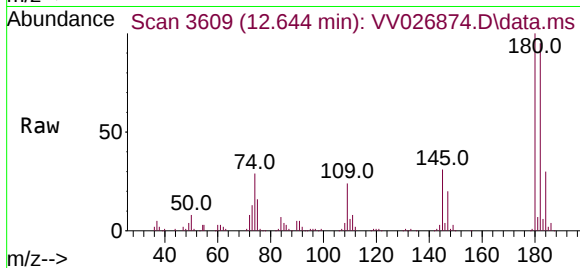
Tgt Ion: 75 Resp: 12072  
Ion Ratio Lower Upper  
75 100  
155 81.8 60.3 90.5  
157 112.3 78.2 117.4



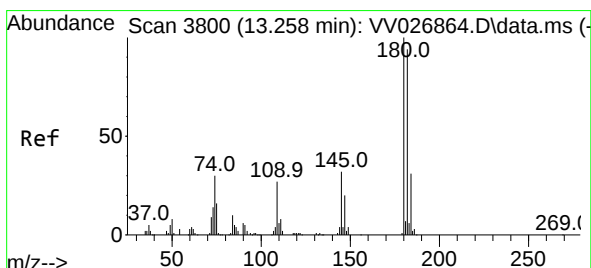
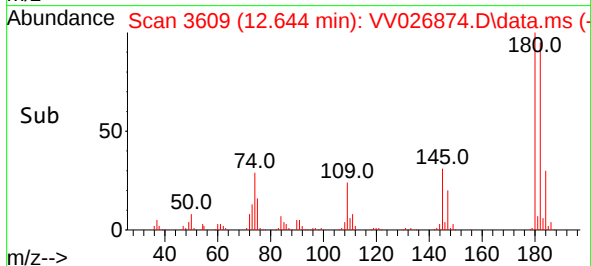
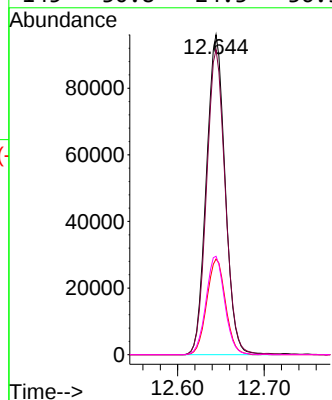


#69  
1,3,5-Trichlorobenzene  
Concen: 5.524 ug/L  
RT: 12.644 min Scan# 3609  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Instrument :  
MSVOA\_V  
ClientSampleId :

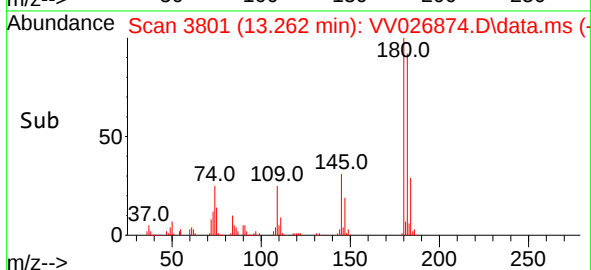
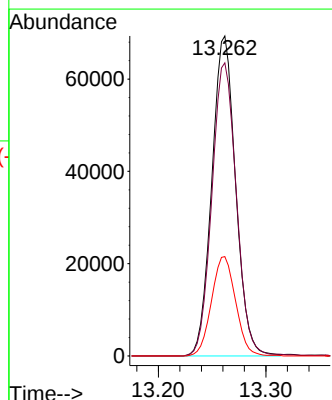
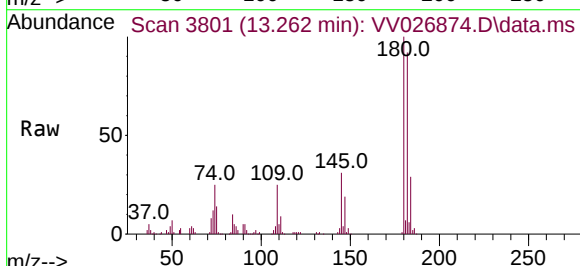


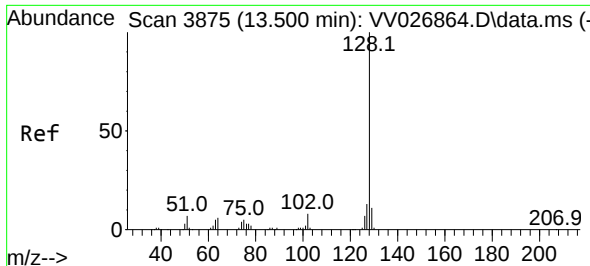
Tgt Ion:180 Resp: 144333  
Ion Ratio Lower Upper  
180 100  
182 95.1 74.0 111.0  
184 30.0 23.1 34.7  
145 30.8 24.3 36.5



#70  
1,2,4-trichlorobenzene  
Concen: 5.376 ug/L  
RT: 13.262 min Scan# 3801  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion:180 Resp: 106821  
Ion Ratio Lower Upper  
180 100  
182 94.2 74.7 112.1  
145 31.4 24.7 37.1

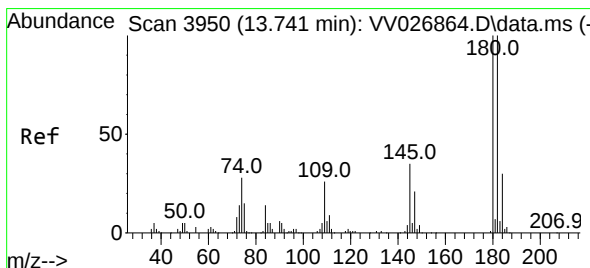
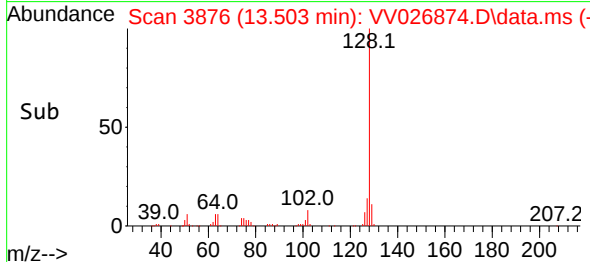
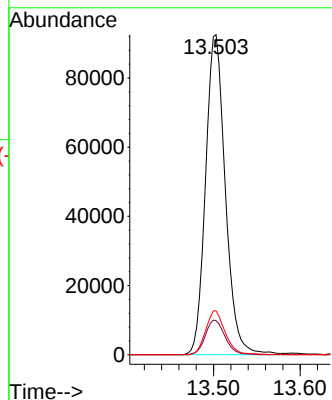
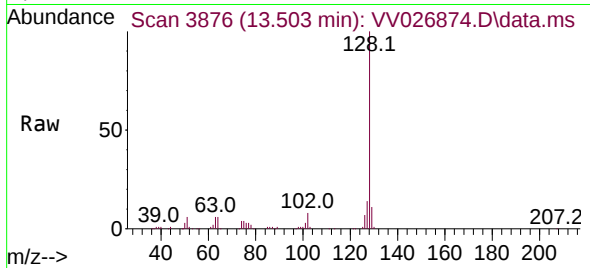




#71  
Naphthalene  
Concen: 4.467 ug/L  
RT: 13.503 min Scan# 3875  
Delta R.T. 0.003 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Instrument :  
MSVOA\_V  
ClientSampleId :

Tgt Ion:128 Resp: 147050  
Ion Ratio Lower Upper  
128 100  
129 10.7 8.4 12.6  
127 13.5 10.7 16.1



#72  
1,2,3-Trichlorobenzene  
Concen: 5.141 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. 0.000 min  
Lab File: VV026874.D  
Acq: 21 Jul 2022 14:59

Tgt Ion:180 Resp: 95048  
Ion Ratio Lower Upper  
180 100  
182 94.0 75.0 112.4  
145 33.7 26.0 39.0

