

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV083022\  
 Data File : VV027602.D  
 Acq On : 30 Aug 2022 21:47  
 Operator : SY/MD  
 Sample : N4404-03MSD  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 31 04:52:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Aug 31 04:45:39 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.616  | 114   | 157715   | 5.000    | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117   | 154906   | 5.000    | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152   | 78737    | 5.000    | ug/L   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 4) Vinyl Chloride-d3          | 1.304  | 65    | 49721    | 4.430    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =      | 88.600%  |
| 7) Chloroethane-d5            | 1.565  | 69    | 41198    | 5.015    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =      | 100.400% |
| 11) 1,1-Dichloroethene-d2     | 2.108  | 63    | 99432    | 3.799    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =      | 76.000%  |
| 20) 2-Butanone-d5             | 3.892  | 46    | 57646    | 41.267   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =      | 82.540%  |
| 24) Chloroform-d              | 4.346  | 84    | 104799   | 4.669    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 93.400%  |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65    | 47377    | 4.879    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 97.600%  |
| 32) Benzene-d6                | 5.050  | 84    | 184222   | 4.294    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =      | 85.800%  |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67    | 58814    | 4.715    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =      | 94.200%  |
| 41) Toluene-d8                | 7.314  | 98    | 171945   | 4.438    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =      | 88.800%  |
| 43) trans-1,3-Dichloroprop... | 7.625  | 79    | 16247    | 3.804    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =      | 76.000%  |
| 46) 2-Hexanone-d5             | 8.092  | 63    | 77114    | 54.847   | ug/L   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =      | 109.700% |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214 | 84    | 43561    | 5.484    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =      | 109.600% |
| 66) 1,2-Dichlorobenzene-d4    | 11.622 | 152   | 54964    | 4.709    | ug/L   | 0.00     |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =      | 94.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.127  | 85    | 68220    | 4.076    | ug/L   | 100      |
| 3) Chloromethane              | 1.240  | 50    | 71748    | 4.910    | ug/L   | 99       |
| 5) Vinyl chloride             | 1.311  | 62    | 79545    | 5.407    | ug/L   | 96       |
| 6) Bromomethane               | 1.520  | 94    | 28848    | 3.966    | ug/L   | 99       |
| 8) Chloroethane               | 1.584  | 64    | 46663    | 5.428    | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 1.751  | 101   | 98694    | 4.223    | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.114  | 101   | 55474    | 4.205    | ug/L   | 96       |
| 12) 1,1-Dichloroethene        | 2.118  | 96    | 49037    | 4.109    | ug/L   | 97       |
| 13) Acetone                   | 2.172  | 43    | 56990    | 42.720   | ug/L   | 96       |
| 14) Carbon disulfide          | 2.291  | 76    | 124911   | 3.814    | ug/L   | 100      |
| 15) Methyl Acetate            | 2.433  | 43    | 13485    | 3.650    | ug/L   | 94       |
| 16) Methylene chloride        | 2.503  | 84    | 63468    | 3.528    | ug/L   | 97       |
| 17) Methyl tert-butyl Ether   | 2.767  | 73    | 119248   | 4.830    | ug/L   | 96       |
| 18) trans-1,2-Dichloroethene  | 2.757  | 96    | 56243    | 4.575    | ug/L   | 97       |
| 19) 1,1-Dichloroethane        | 3.188  | 63    | 123079   | 4.836    | ug/L   | 98       |
| 21) 2-Butanone                | 3.976  | 43    | 95224    | 53.636   | ug/L   | 100      |
| 22) cis-1,2-Dichloroethene    | 3.909  | 96    | 74448    | 5.682    | ug/L   | 99       |
| 23) Bromochloromethane        | 4.246  | 128   | 26102    | 4.518    | ug/L   | 95       |
| 25) Chloroform                | 4.375  | 83    | 129474   | 4.679    | ug/L   | 98       |

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 ALS Vial : 26 Sample Multiplier: 1

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 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 31 04:52:57 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR081922WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Wed Aug 31 04:45:39 2022  
 Response via : Initial Calibration

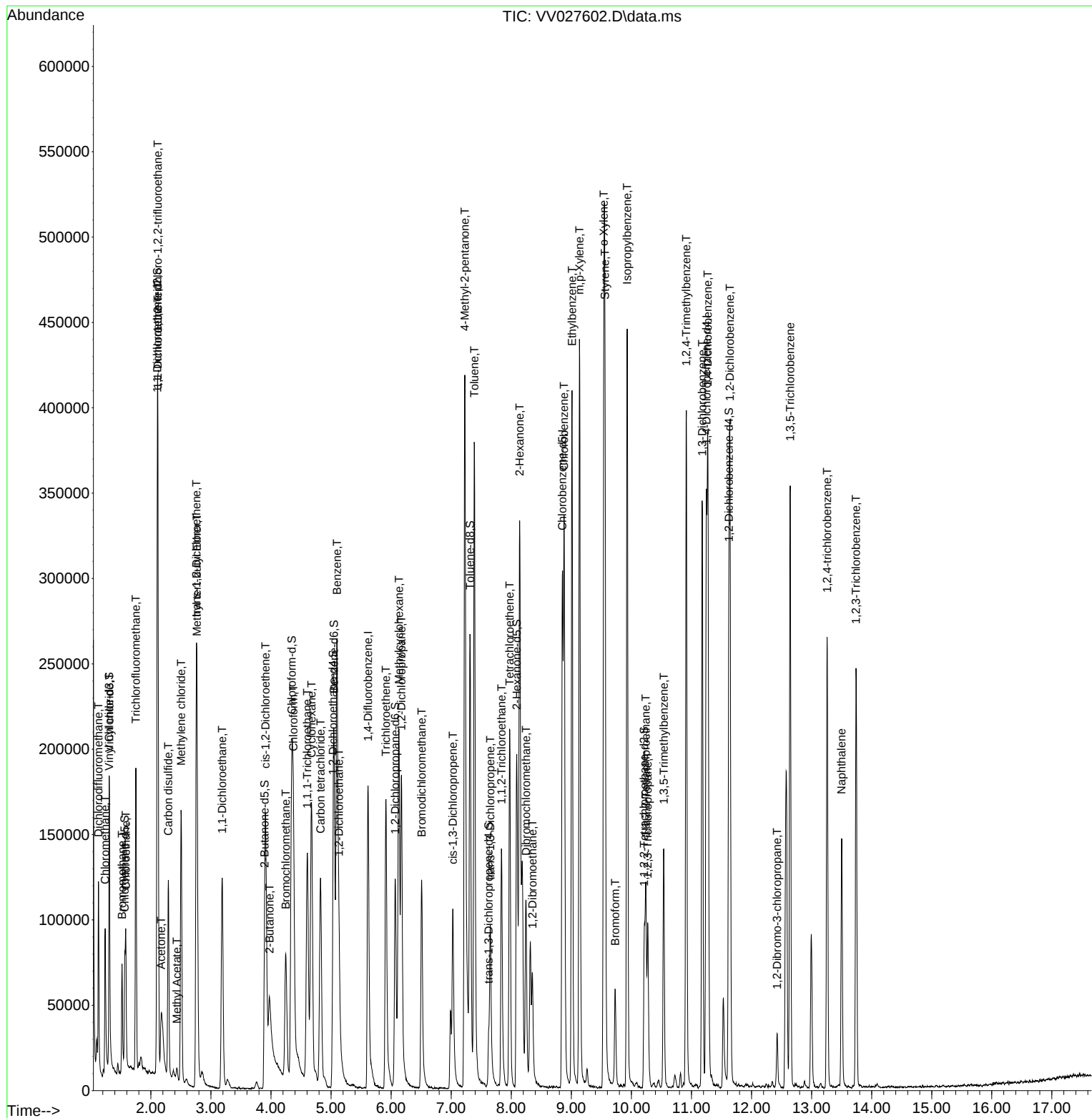
| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 72297    | 5.142  | ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 4.606  | 97   | 112272   | 4.722  | ug/L  | 98       |
| 30) Cyclohexane               | 4.674  | 56   | 82046    | 4.495  | ug/L  | 94       |
| 31) Carbon tetrachloride      | 4.825  | 117  | 92204    | 4.459  | ug/L  | 100      |
| 33) Benzene                   | 5.098  | 78   | 262177   | 5.090  | ug/L  | 100      |
| 34) Trichloroethene           | 5.912  | 95   | 65430    | 4.827  | ug/L  | 99       |
| 35) Methylcyclohexane         | 6.130  | 83   | 80662    | 4.231  | ug/L  | 97       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 70313    | 5.121  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.510  | 83   | 87465    | 5.024  | ug/L  | 98       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 67972    | 4.105  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 343743   | 56.030 | ug/L  | 99       |
| 42) Toluene                   | 7.384  | 91   | 279899   | 5.265  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 57218    | 4.088  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.838  | 97   | 46057    | 5.247  | ug/L  | 97       |
| 47) Tetrachloroethene         | 7.976  | 164  | 46996    | 4.451  | ug/L  | 98       |
| 48) 2-Hexanone                | 8.140  | 43   | 255055   | 57.696 | ug/L  | 99       |
| 49) Dibromochloromethane      | 8.246  | 129  | 53946    | 4.997  | ug/L  | 99       |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 43464    | 5.673  | ug/L  | 95       |
| 51) Chlorobenzene             | 8.879  | 112  | 171711   | 4.991  | ug/L  | 97       |
| 52) Ethylbenzene              | 9.011  | 91   | 275930   | 5.085  | ug/L  | 99       |
| 53) m,p-Xylene                | 9.137  | 106  | 118899   | 5.726  | ug/L  | 99       |
| 54) o-Xylene                  | 9.542  | 106  | 102940   | 5.111  | ug/L  | 98       |
| 55) Styrene                   | 9.561  | 104  | 180415   | 5.265  | ug/L  | 99       |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 55846    | 5.648  | ug/L  | 98       |
| 59) Bromoform                 | 9.731  | 173  | 26061    | 4.939  | ug/L  | 98       |
| 60) Isopropylbenzene          | 9.931  | 105  | 271021   | 5.231  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.272 | 75   | 37793    | 5.471  | ug/L  | 97       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 70745    | 4.925  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 207902   | 5.137  | ug/L  | 100      |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 133623   | 5.235  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.272 | 146  | 134138   | 5.271  | ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 127260   | 5.499  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 7770     | 5.063  | ug/L  | 97       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 99420    | 5.218  | ug/L  | 96       |
| 70) 1,2,4-trichlorobenzene    | 13.259 | 180  | 75051    | 5.420  | ug/L  | 98       |
| 71) Naphthalene               | 13.500 | 128  | 112739   | 5.898  | ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 69143    | 5.623  | ug/L  | 97       |

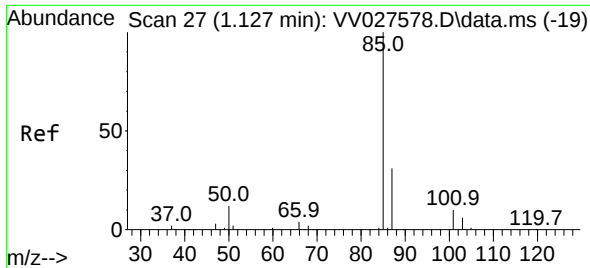
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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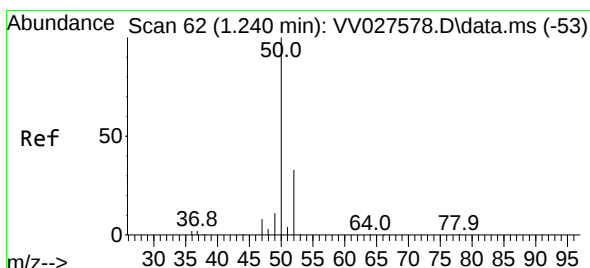
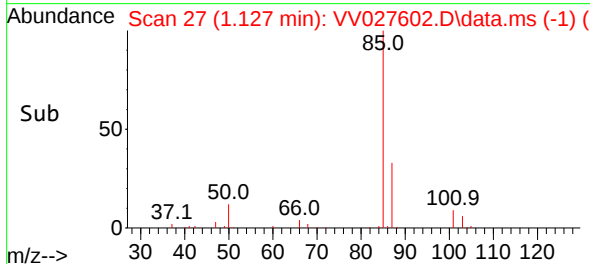
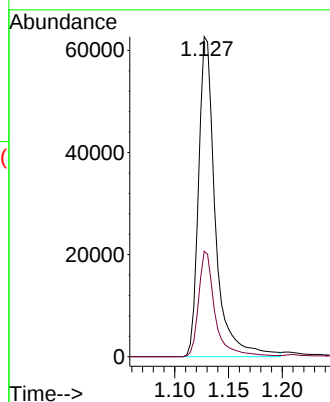
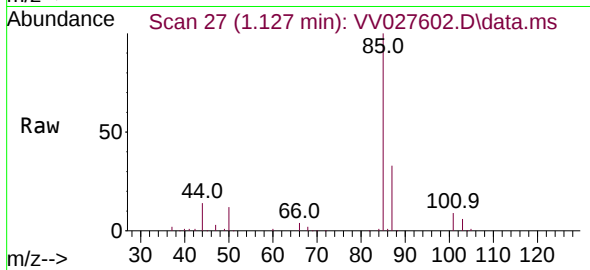




#2  
 Dichlorodifluoromethane  
 Concen: 4.076 ug/L  
 RT: 1.127 min Scan# 21  
 Delta R.T. 0.000 min  
 Lab File: VV027602.D  
 Acq: 30 Aug 2022 21:47

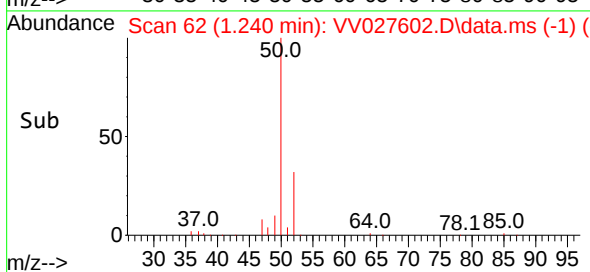
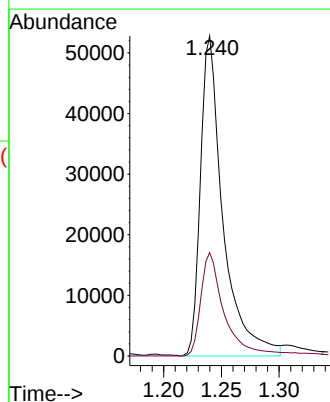
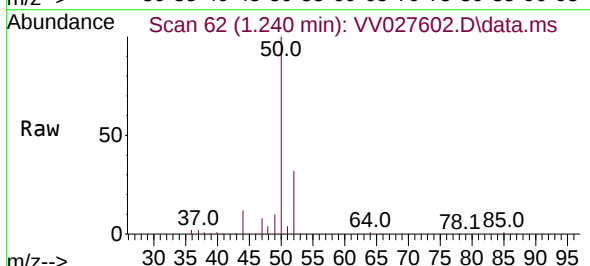
Instrument :  
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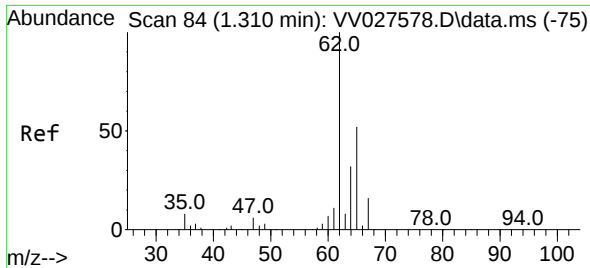
Tgt Ion: 85 Resp: 68220  
 Ion Ratio Lower Upper  
 85 100  
 87 32.3 26.0 39.0



#3  
 Chloromethane  
 Concen: 4.910 ug/L  
 RT: 1.240 min Scan# 62  
 Delta R.T. 0.000 min  
 Lab File: VV027602.D  
 Acq: 30 Aug 2022 21:47

Tgt Ion: 50 Resp: 71748  
 Ion Ratio Lower Upper  
 50 100  
 52 32.3 22.8 42.4

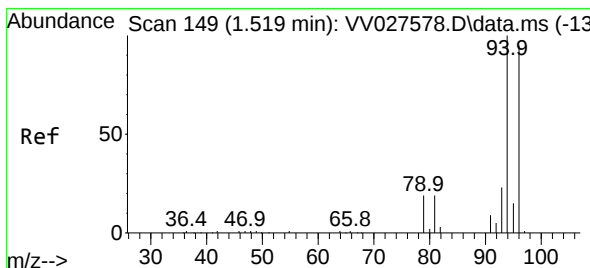
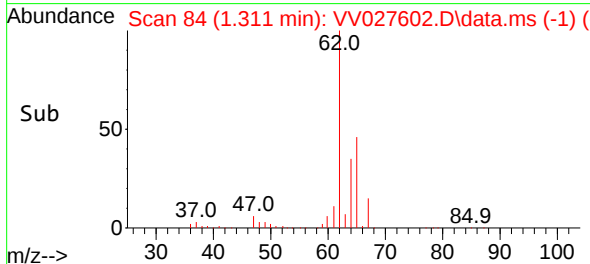
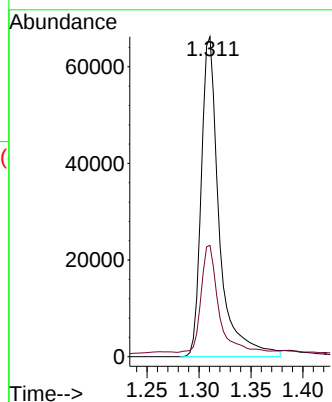
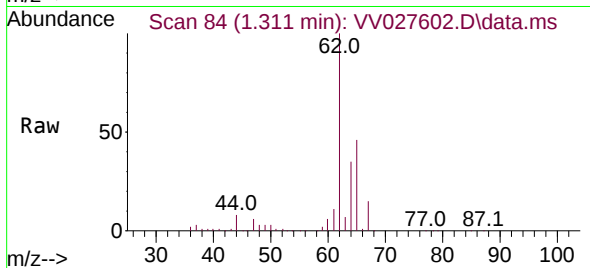




#5  
 Vinyl chloride  
 Concen: 5.407 ug/L  
 RT: 1.311 min Scan# 84  
 Delta R.T. 0.000 min  
 Lab File: VV027602.D  
 Acq: 30 Aug 2022 21:47

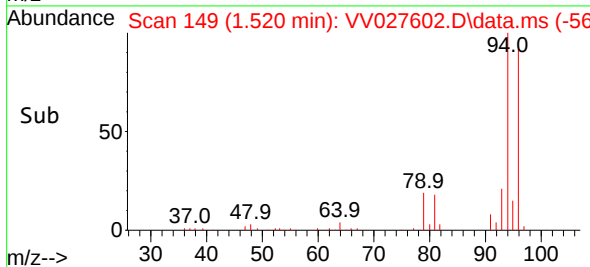
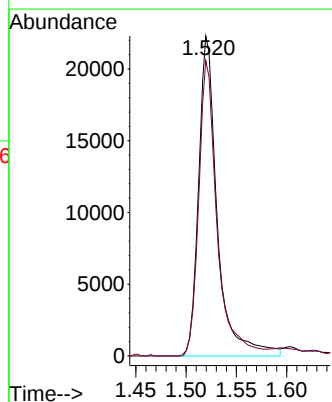
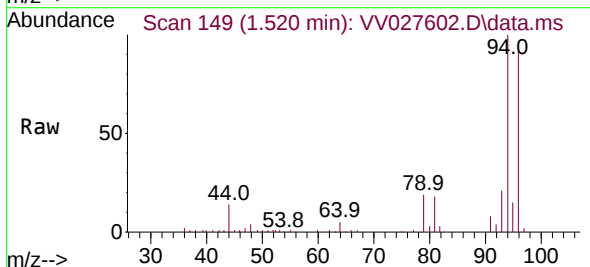
Instrument :  
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 ClientSampleId :

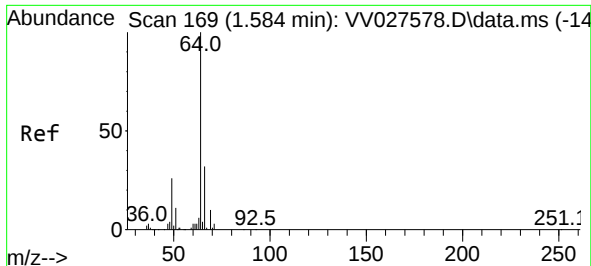
Tgt Ion: 62 Resp: 79545  
 Ion Ratio Lower Upper  
 62 100  
 64 34.8 22.6 42.0



#6  
 Bromomethane  
 Concen: 3.966 ug/L  
 RT: 1.520 min Scan# 149  
 Delta R.T. 0.000 min  
 Lab File: VV027602.D  
 Acq: 30 Aug 2022 21:47

Tgt Ion: 94 Resp: 28848  
 Ion Ratio Lower Upper  
 94 100  
 96 92.3 65.2 121.0

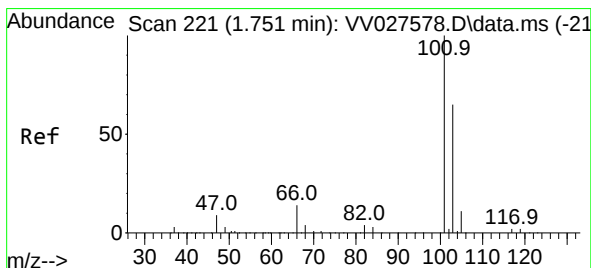
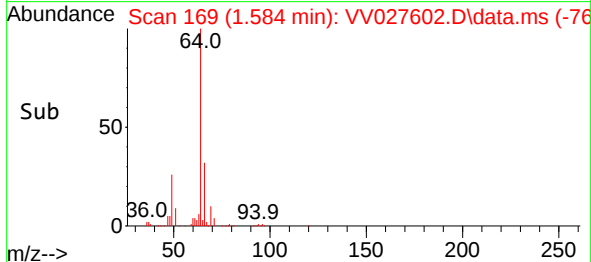
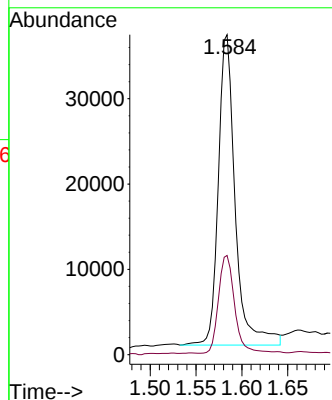
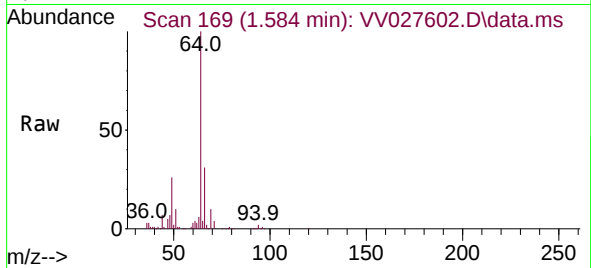




#8  
Chloroethane  
Concen: 5.428 ug/L  
RT: 1.584 min Scan# 169  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

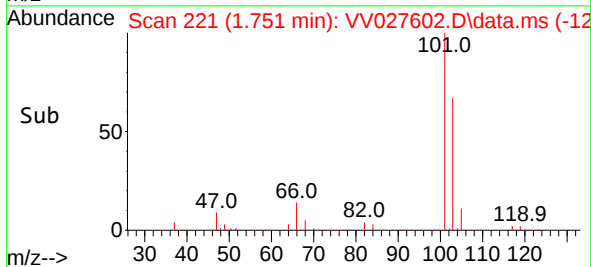
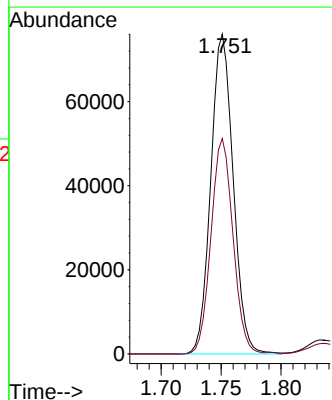
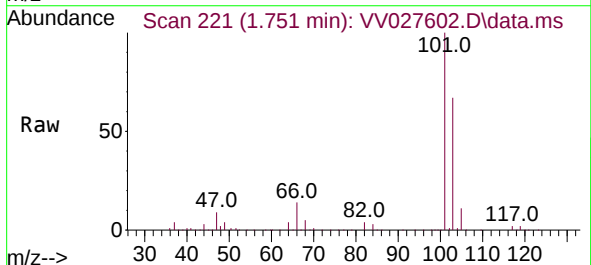
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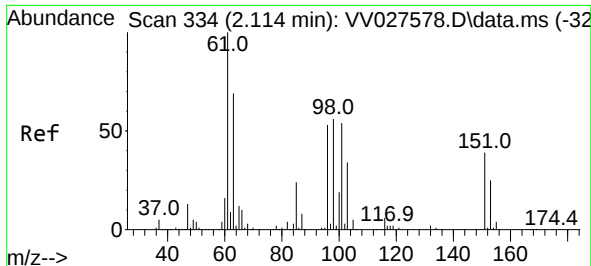
Tgt Ion: 64 Resp: 46663  
Ion Ratio Lower Upper  
64 100  
66 31.0 23.3 43.3



#9  
Trichlorofluoromethane  
Concen: 4.223 ug/L  
RT: 1.751 min Scan# 221  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

Tgt Ion:101 Resp: 98694  
Ion Ratio Lower Upper  
101 100  
103 66.1 51.5 77.3





#10

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

Concen: 4.205 ug/L

RT: 2.114 min Scan# 31

Delta R.T. 0.000 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

Instrument :

MSVOA\_V

ClientSampleId :

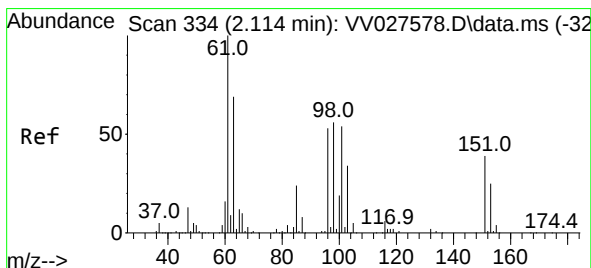
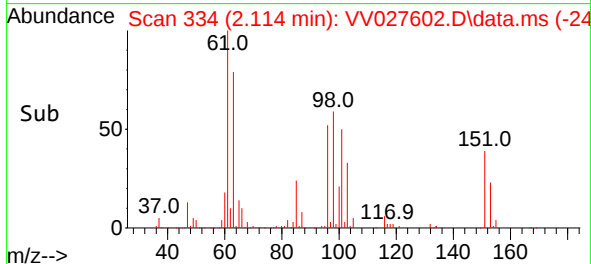
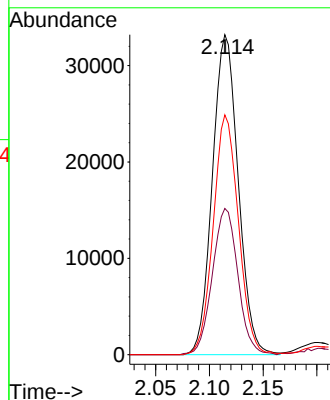
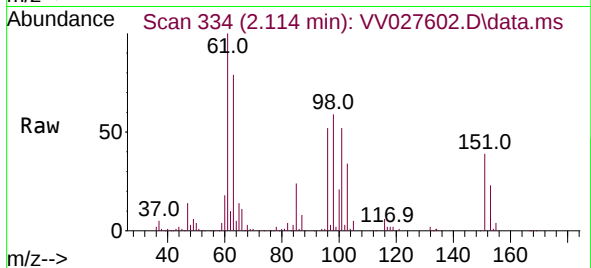
Tgt Ion:101 Resp: 55474

Ion Ratio Lower Upper

101 100

85 45.1 35.3 52.9

151 73.1 55.2 82.8



#12

1,1-Dichloroethene

Concen: 4.109 ug/L

RT: 2.118 min Scan# 335

Delta R.T. 0.003 min

Lab File: VV027602.D

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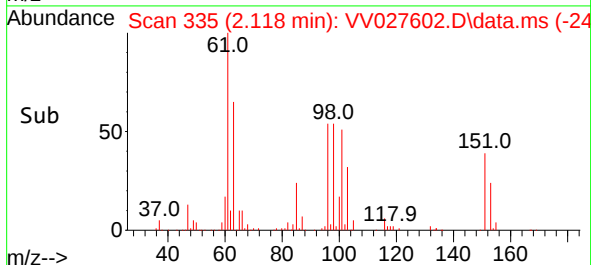
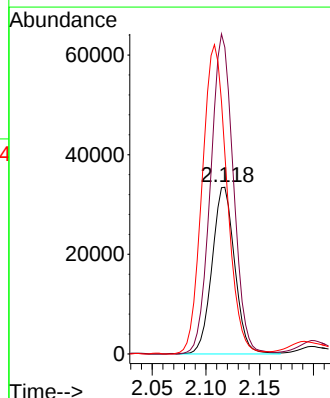
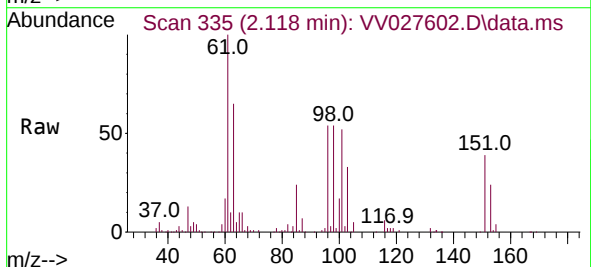
Tgt Ion: 96 Resp: 49037

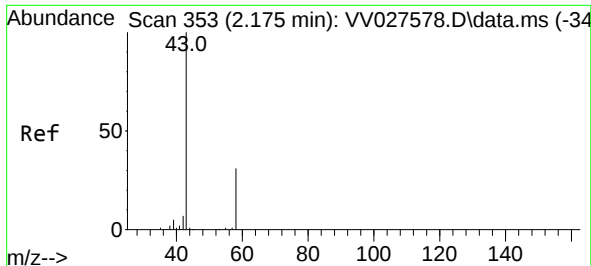
Ion Ratio Lower Upper

96 100

61 183.9 130.2 241.8

63 120.2 87.4 162.4





#13

Acetone

Concen: 42.720 ug/L

RT: 2.172 min Scan# 3

Delta R.T. -0.003 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

Instrument :

MSVOA\_V

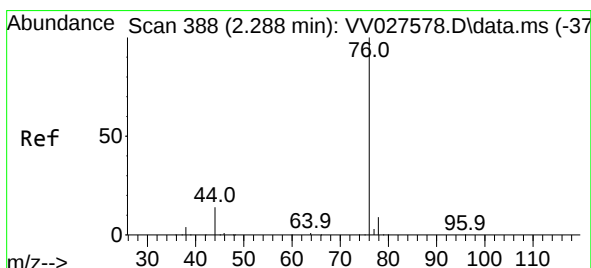
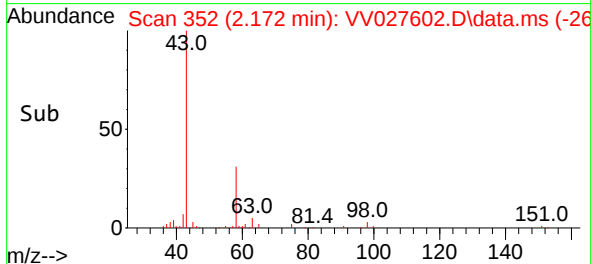
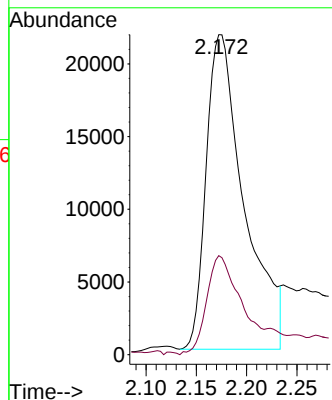
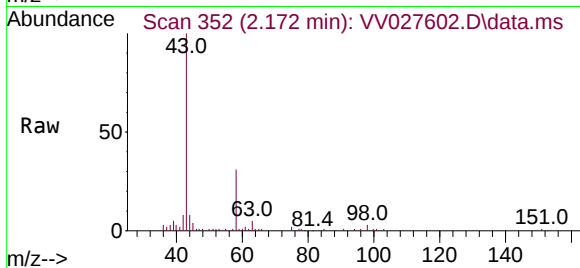
ClientSampleId :

Tgt Ion: 43 Resp: 56990

Ion Ratio Lower Upper

43 100

58 28.6 0.0 62.2



#14

Carbon disulfide

Concen: 3.814 ug/L

RT: 2.291 min Scan# 389

Delta R.T. 0.003 min

Lab File: VV027602.D

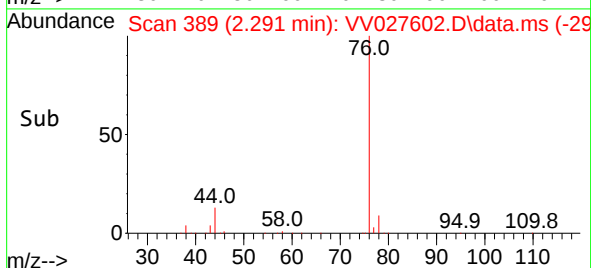
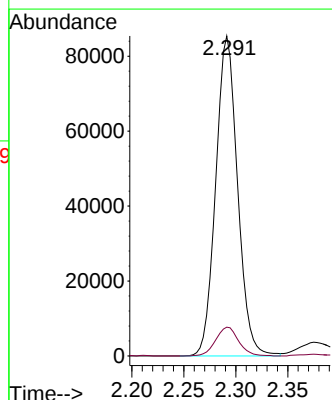
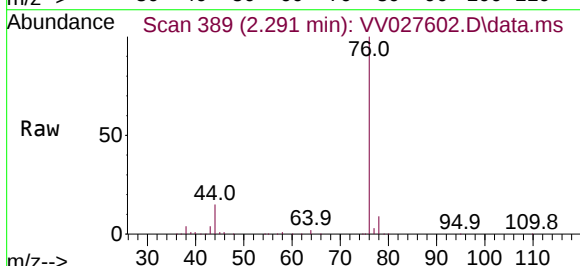
Acq: 30 Aug 2022 21:47

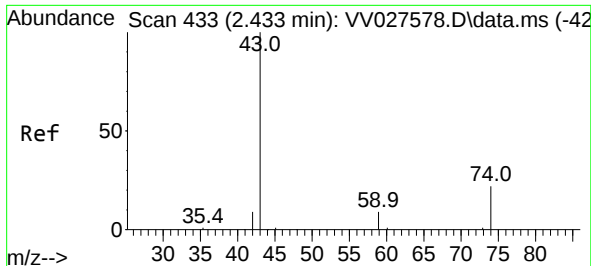
Tgt Ion: 76 Resp: 124911

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9

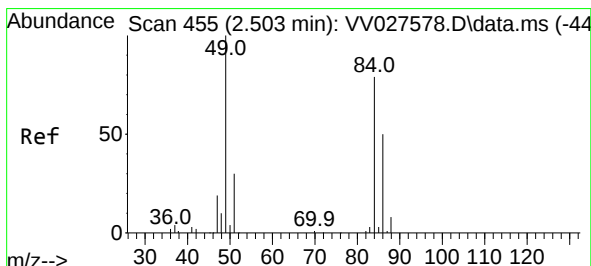
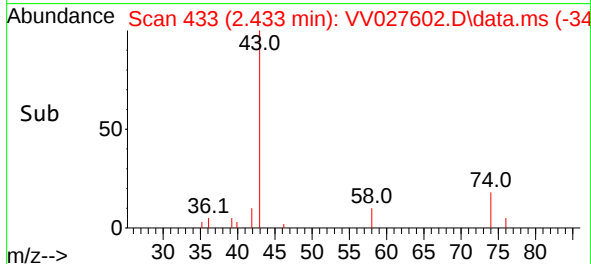
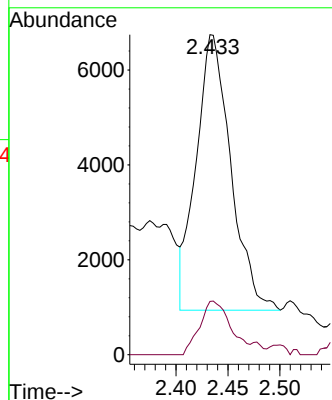
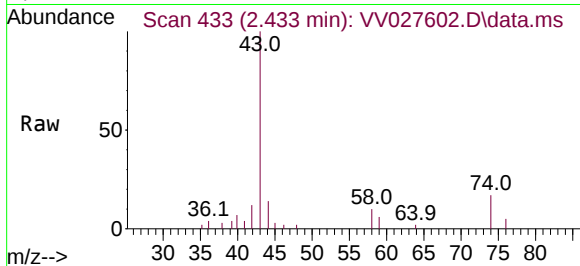




#15  
Methyl Acetate  
Concen: 3.650 ug/L  
RT: 2.433 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

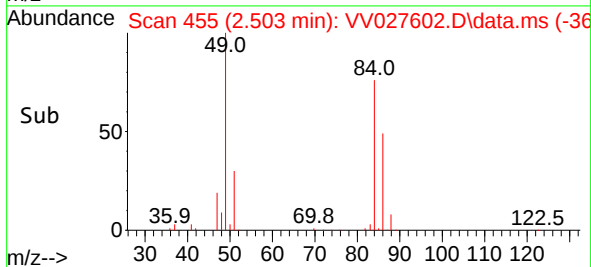
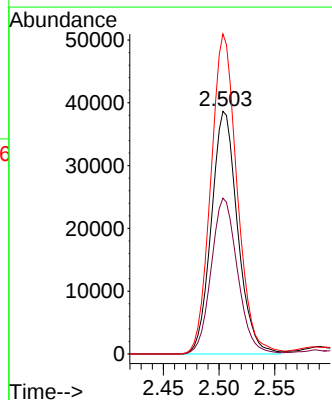
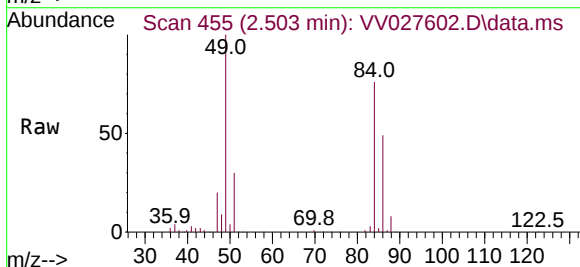
Instrument :  
MSVOA\_V  
ClientSampleId :

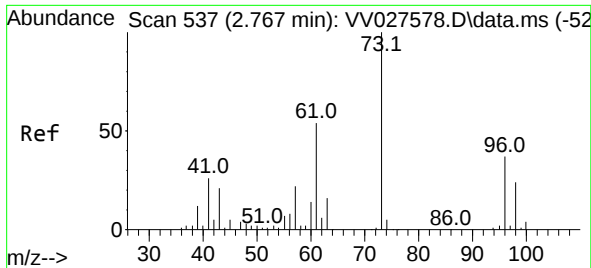
Tgt Ion: 43 Resp: 13485  
Ion Ratio Lower Upper  
43 100  
74 17.4 16.3 24.5



#16  
Methylene chloride  
Concen: 3.528 ug/L  
RT: 2.503 min Scan# 455  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

Tgt Ion: 84 Resp: 63468  
Ion Ratio Lower Upper  
84 100  
86 64.2 44.0 81.6  
49 131.8 89.4 166.0

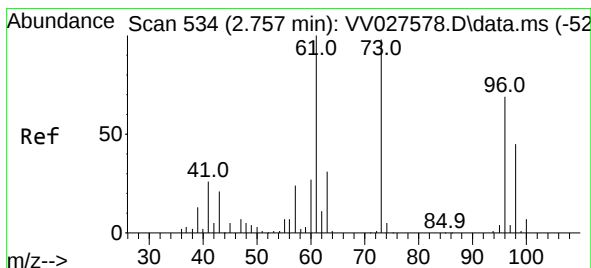
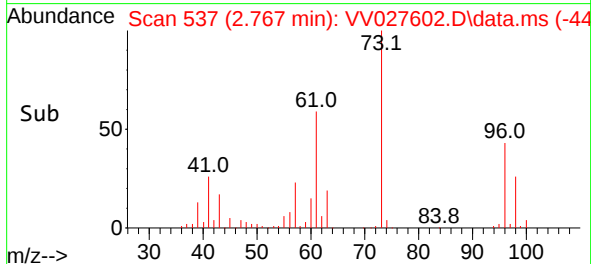
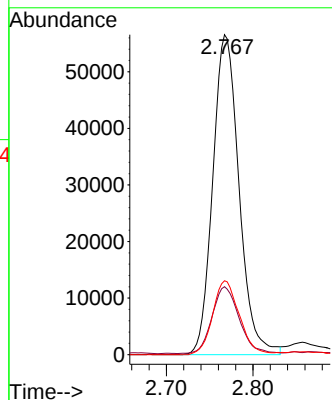
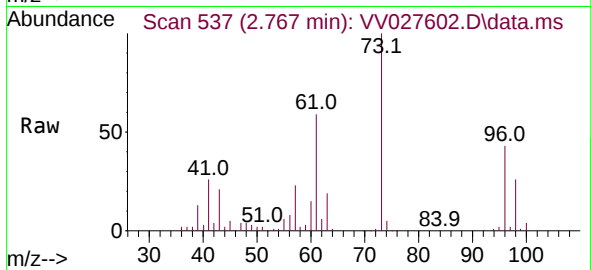




#17  
Methyl tert-butyl Ether  
Concen: 4.830 ug/L  
RT: 2.767 min Scan# 51  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

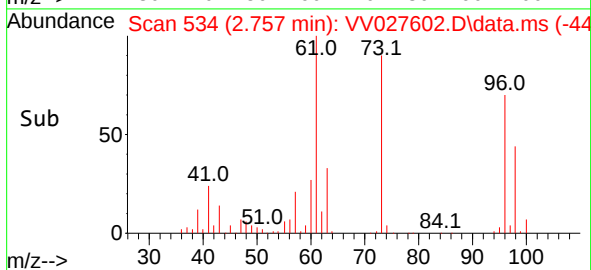
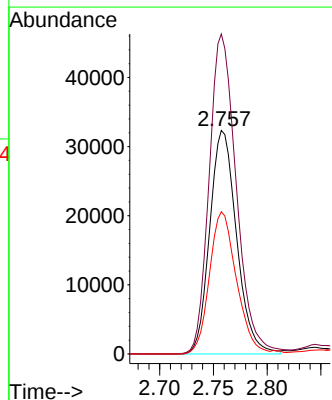
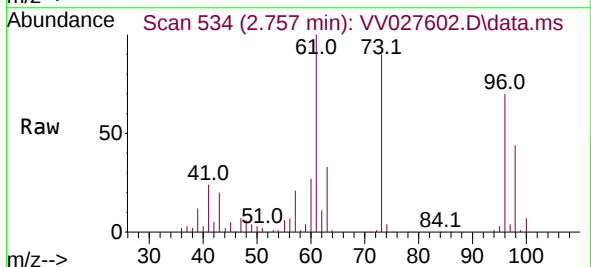
Instrument :  
MSVOA\_V  
ClientSampleId :

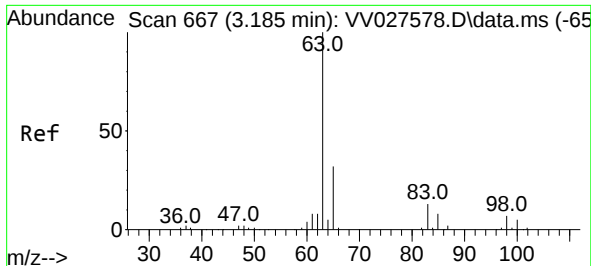
Tgt Ion: 73 Resp: 119248  
Ion Ratio Lower Upper  
73 100  
43 21.5 15.6 23.4  
57 23.4 17.0 25.6



#18  
trans-1,2-Dichloroethene  
Concen: 4.575 ug/L  
RT: 2.757 min Scan# 534  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

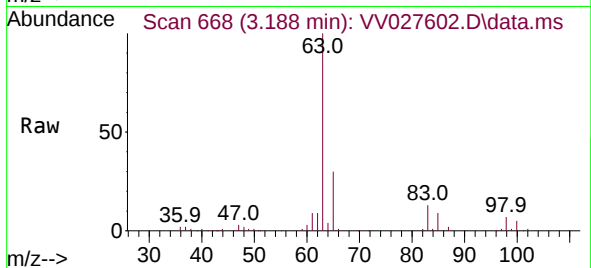
Tgt Ion: 96 Resp: 56243  
Ion Ratio Lower Upper  
96 100  
61 143.2 97.6 181.4  
98 63.6 45.9 85.3



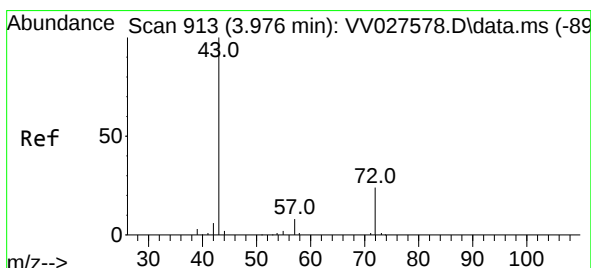
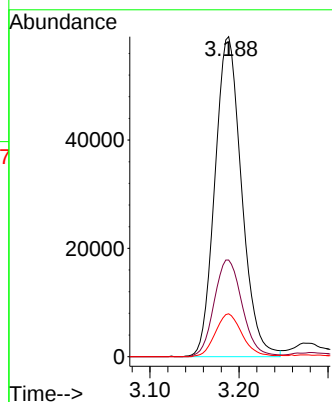
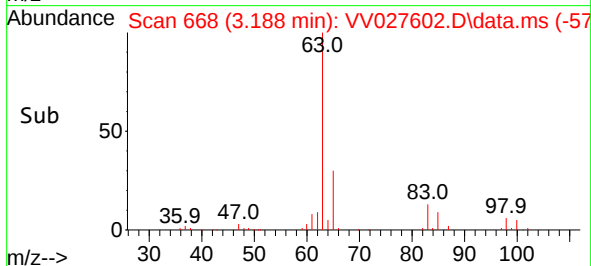


#19  
1,1-Dichloroethane  
Concen: 4.836 ug/L  
RT: 3.188 min Scan# 667  
Delta R.T. 0.003 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

Instrument :  
MSVOA\_V  
ClientSampleId :

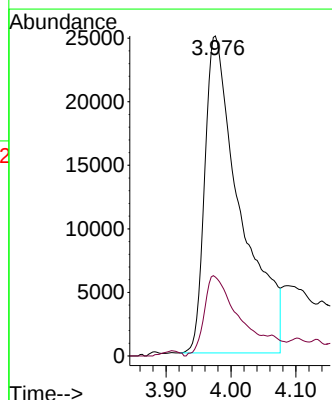
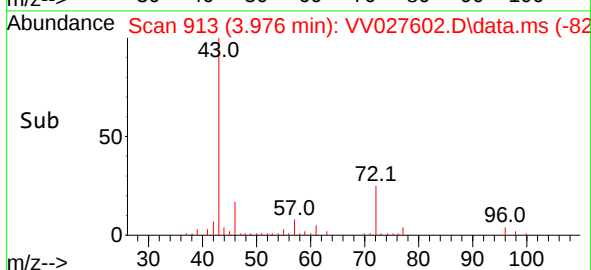
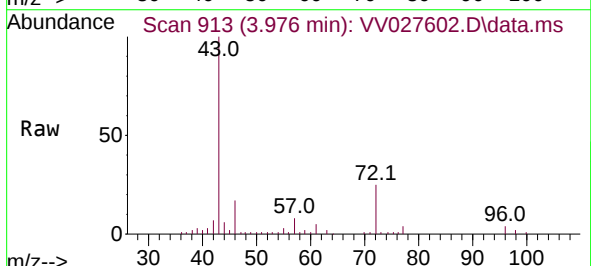


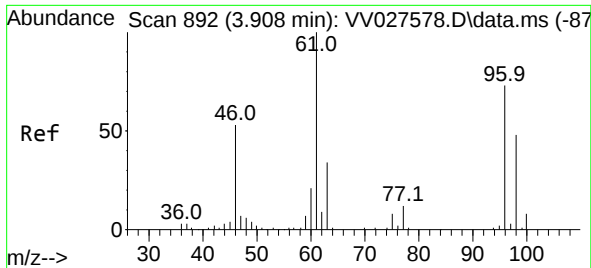
Tgt Ion: 63 Resp: 123079  
Ion Ratio Lower Upper  
63 100  
65 30.2 22.1 41.1  
83 13.4 9.6 17.8



#21  
2-Butanone  
Concen: 53.636 ug/L  
RT: 3.976 min Scan# 913  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

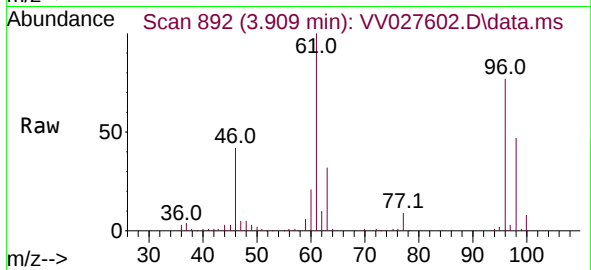
Tgt Ion: 43 Resp: 95224  
Ion Ratio Lower Upper  
43 100  
72 24.2 12.0 36.1



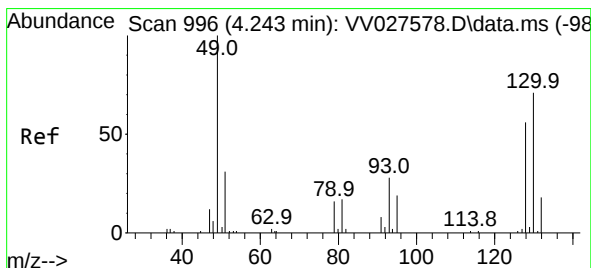
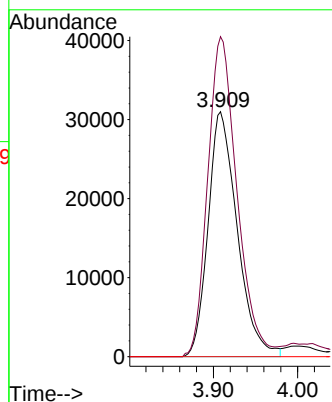
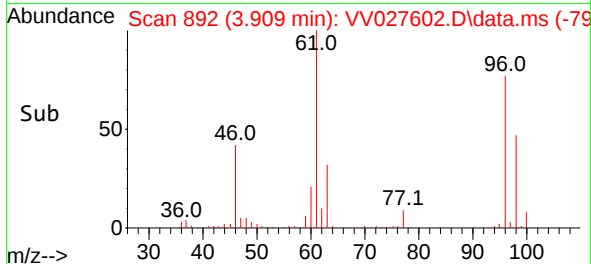


#22  
 cis-1,2-Dichloroethene  
 Concen: 5.682 ug/L  
 RT: 3.909 min Scan# 892  
 Delta R.T. 0.000 min  
 Lab File: VV027602.D  
 Acq: 30 Aug 2022 21:47

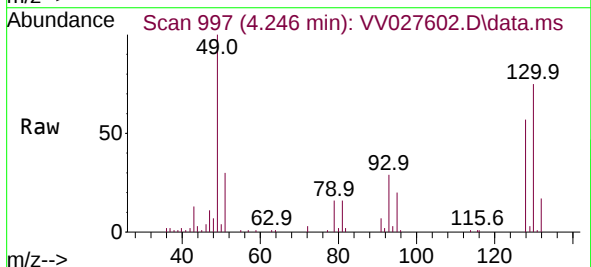
Instrument :  
 MSVOA\_V  
 ClientSampleId :



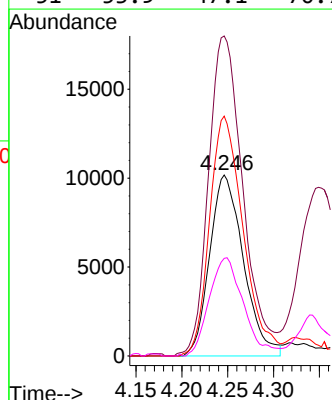
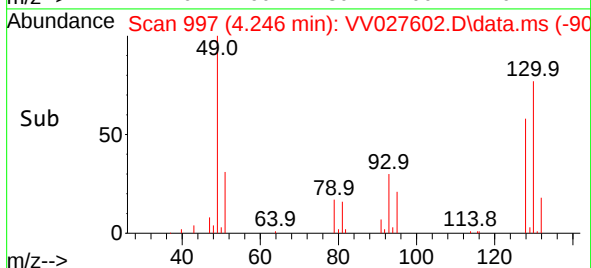
Tgt Ion: 96 Resp: 74448  
 Ion Ratio Lower Upper  
 96 100  
 61 130.6 90.6 168.2  
 68 0.0 0.0 0.0

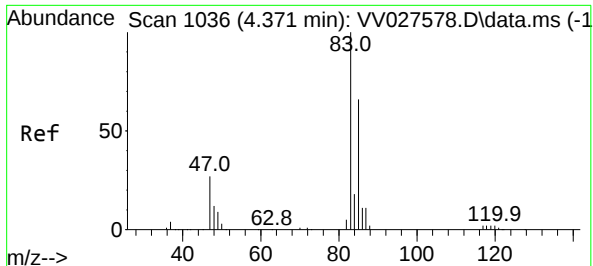


#23  
 Bromochloromethane  
 Concen: 4.518 ug/L  
 RT: 4.246 min Scan# 997  
 Delta R.T. 0.003 min  
 Lab File: VV027602.D  
 Acq: 30 Aug 2022 21:47



Tgt Ion: 128 Resp: 26102  
 Ion Ratio Lower Upper  
 128 100  
 49 176.8 127.5 236.7  
 130 132.4 97.0 180.2  
 51 53.9 47.1 70.7





#25

Chloroform

Concen: 4.679 ug/L

RT: 4.375 min Scan# 1036

Delta R.T. 0.003 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

Instrument :

MSVOA\_V

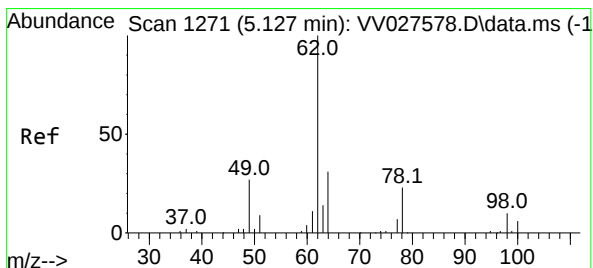
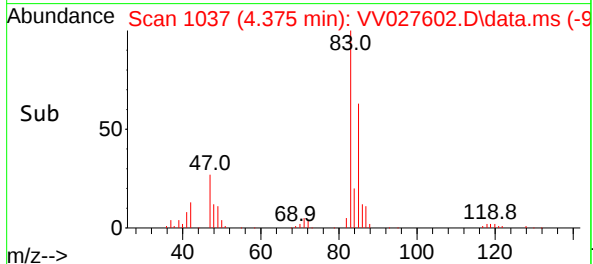
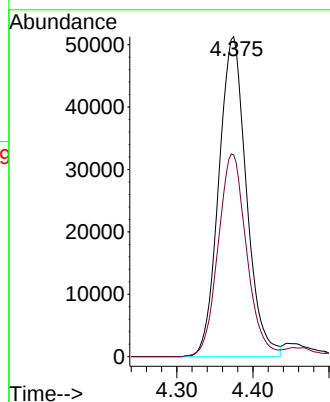
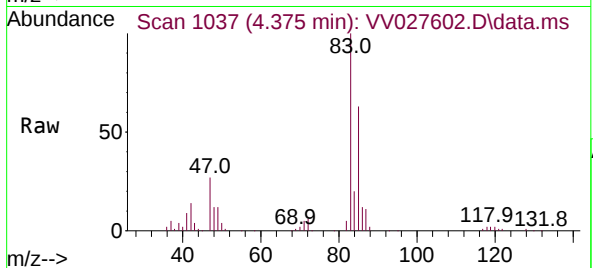
ClientSampleId :

Tgt Ion: 83 Resp: 129474

Ion Ratio Lower Upper

83 100

85 63.1 43.3 80.5



#27

1,2-Dichloroethane

Concen: 5.142 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.003 min

Lab File: VV027602.D

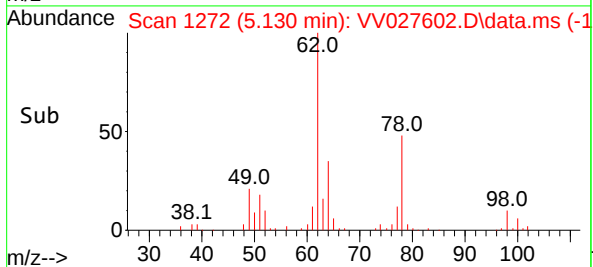
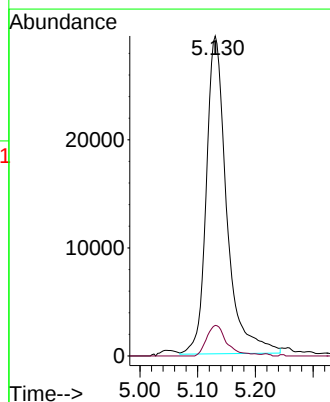
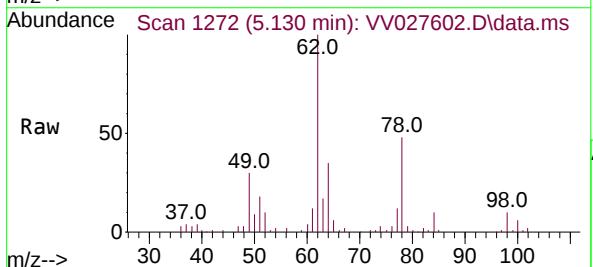
Acq: 30 Aug 2022 21:47

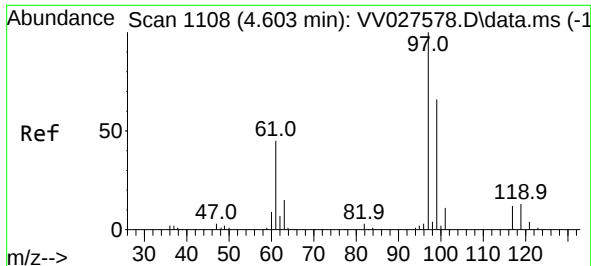
Tgt Ion: 62 Resp: 72297

Ion Ratio Lower Upper

62 100

98 9.5 7.4 11.2





#29

1,1,1-Trichloroethane

Concen: 4.722 ug/L

RT: 4.606 min Scan# 1108

Delta R.T. 0.003 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

Instrument :

MSVOA\_V

ClientSampleId :

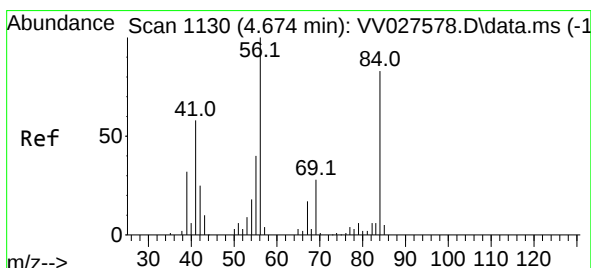
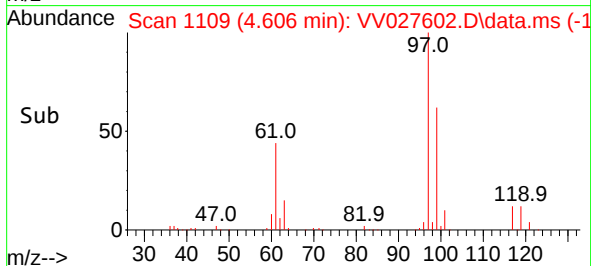
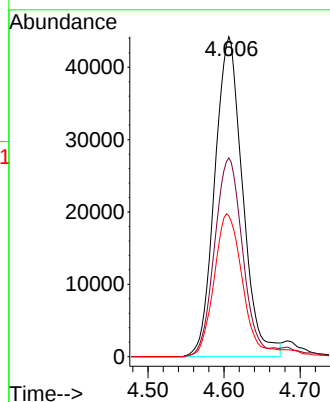
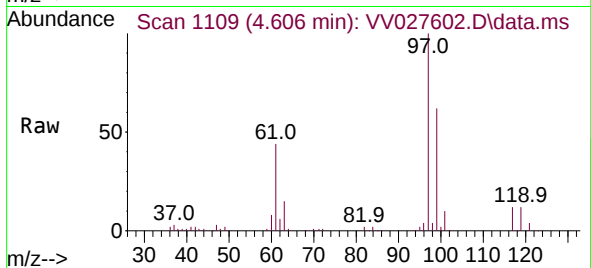
Tgt Ion: 97 Resp: 112272

Ion Ratio Lower Upper

97 100

99 62.2 51.1 76.7

61 45.8 35.9 53.9



#30

Cyclohexane

Concen: 4.495 ug/L

RT: 4.674 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

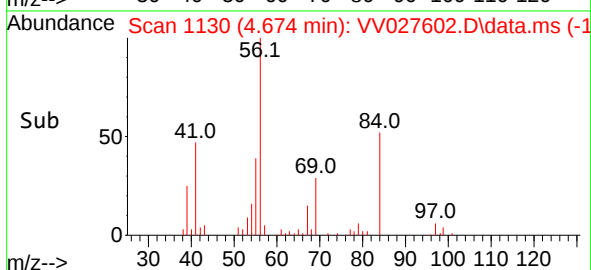
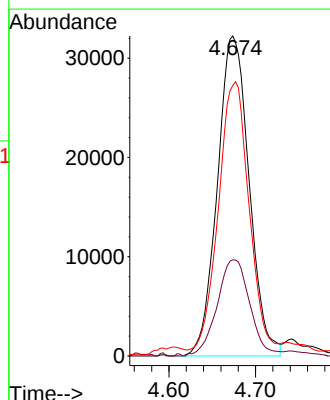
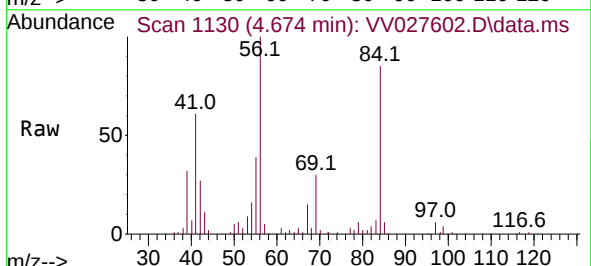
Tgt Ion: 56 Resp: 82046

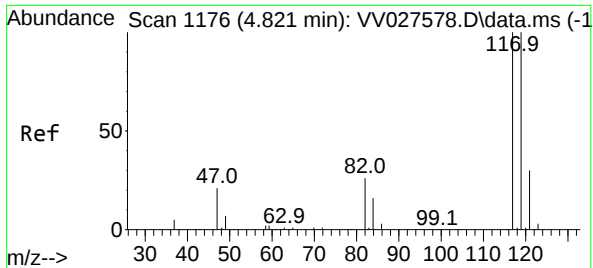
Ion Ratio Lower Upper

56 100

69 30.9 25.4 38.0

84 79.6 69.7 104.5

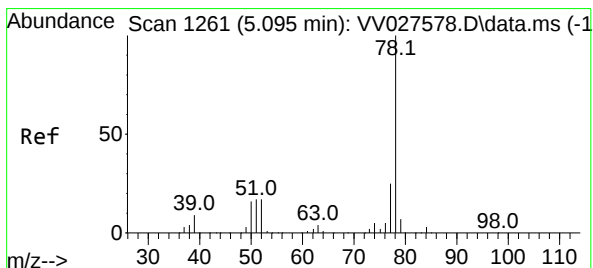
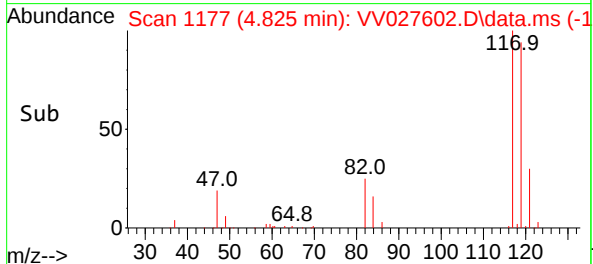
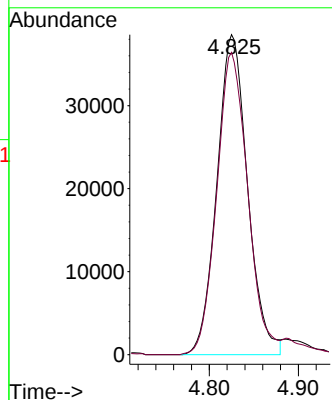
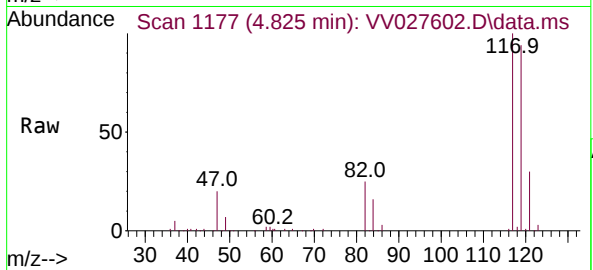




#31  
Carbon tetrachloride  
Concen: 4.459 ug/L  
RT: 4.825 min Scan# 1176  
Delta R.T. 0.003 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

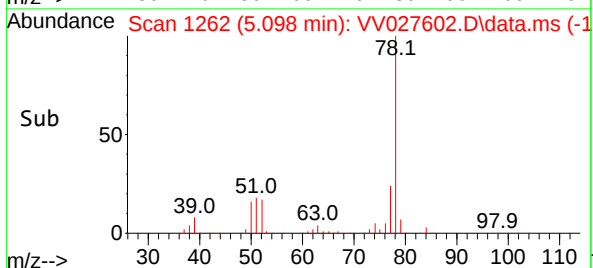
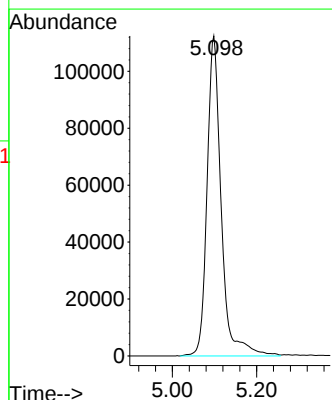
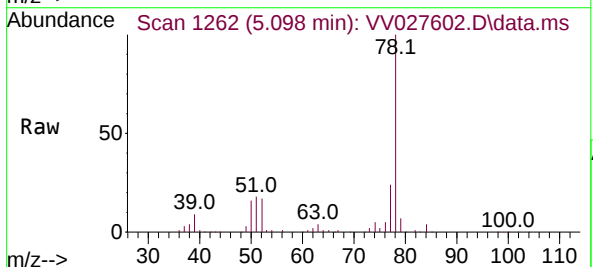
Instrument :  
MSVOA\_V  
ClientSampleId :

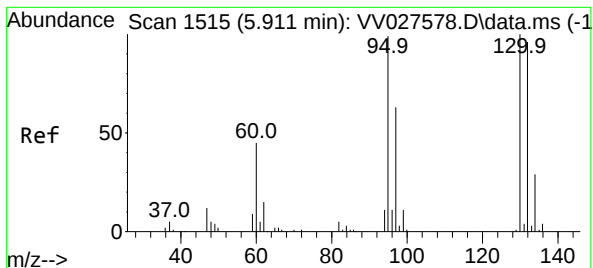
Tgt Ion:117 Resp: 92204  
Ion Ratio Lower Upper  
117 100  
119 95.4 76.1 114.1



#33  
Benzene  
Concen: 5.090 ug/L  
RT: 5.098 min Scan# 1262  
Delta R.T. 0.003 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

Tgt Ion: 78 Resp: 262177





#34

Trichloroethene

Concen: 4.827 ug/L

RT: 5.912 min Scan# 1515

Delta R.T. 0.000 min

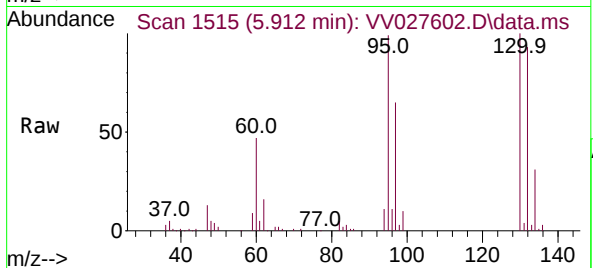
Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion: 95 Resp: 65430

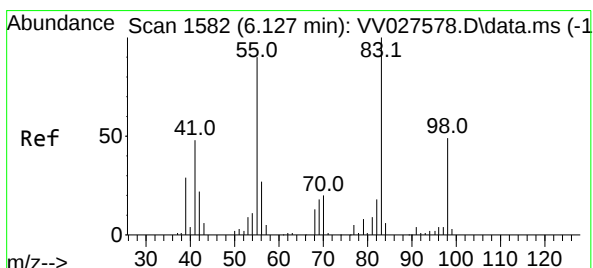
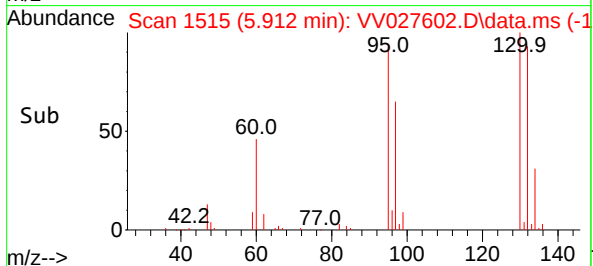
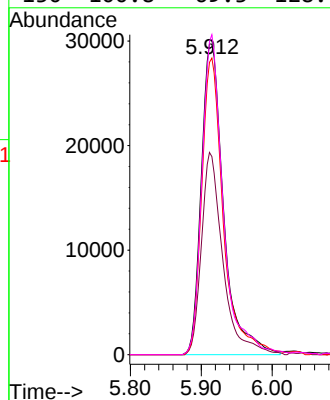
Ion Ratio Lower Upper

95 100

97 65.1 45.0 83.6

132 94.1 65.7 121.9

130 100.8 69.3 128.7



#35

Methylcyclohexane

Concen: 4.231 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.003 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

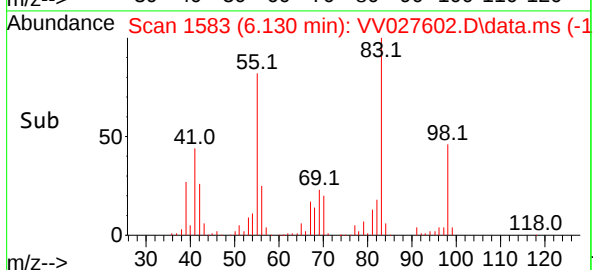
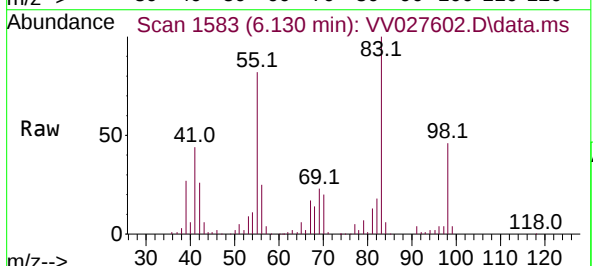
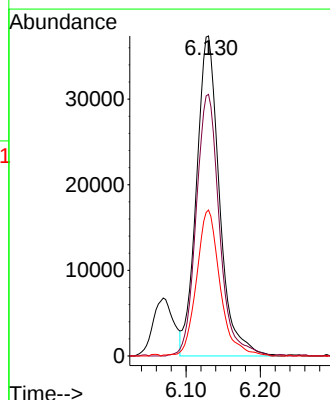
Tgt Ion: 83 Resp: 80662

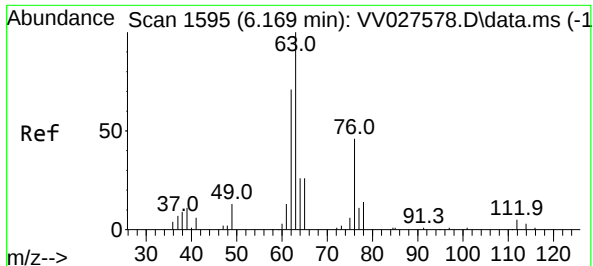
Ion Ratio Lower Upper

83 100

55 82.7 68.2 102.4

98 46.6 39.0 58.4





#37

1,2-Dichloropropane

Concen: 5.121 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

Instrument :

MSVOA\_V

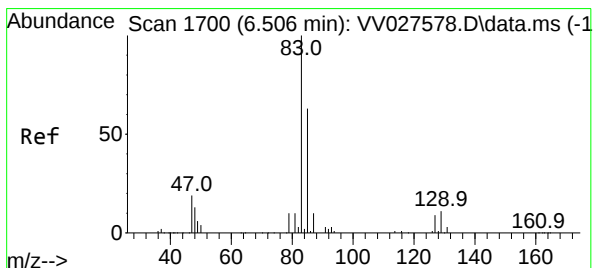
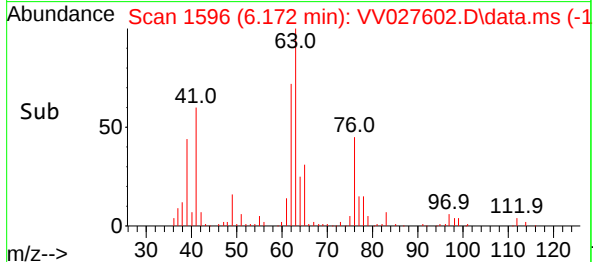
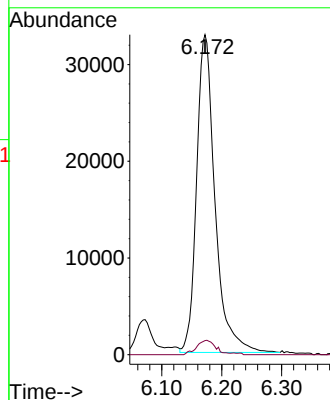
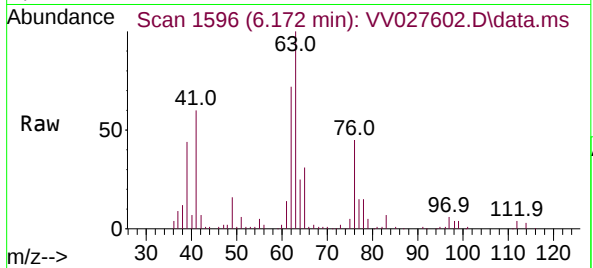
ClientSampleId :

Tgt Ion: 63 Resp: 70313

Ion Ratio Lower Upper

63 100

112 4.7 3.9 5.9



#38

Bromodichloromethane

Concen: 5.024 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

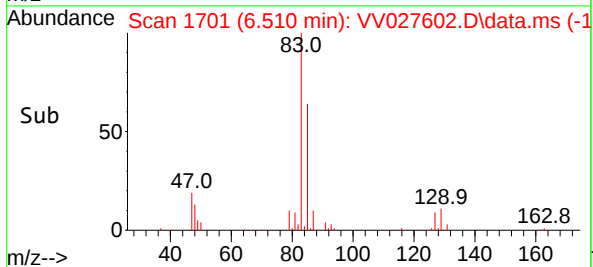
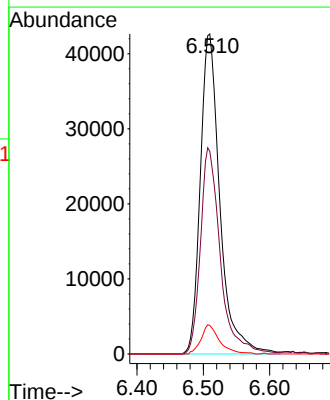
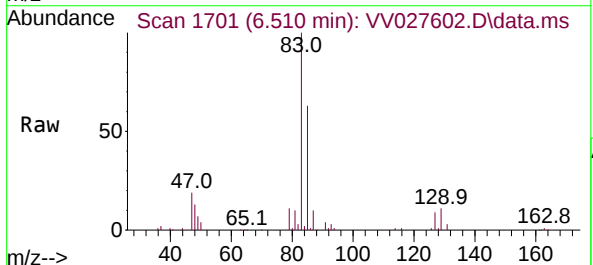
Tgt Ion: 83 Resp: 87465

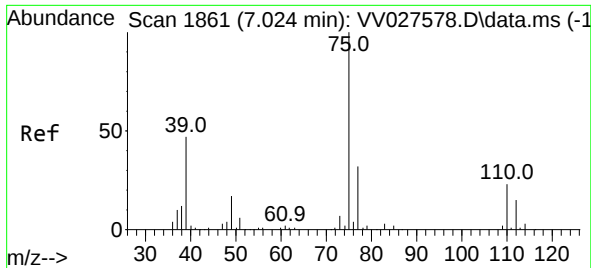
Ion Ratio Lower Upper

83 100

85 63.3 45.3 84.1

127 8.9 7.2 10.8





#39

cis-1,3-Dichloropropene

Concen: 4.105 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

Instrument :

MSVOA\_V

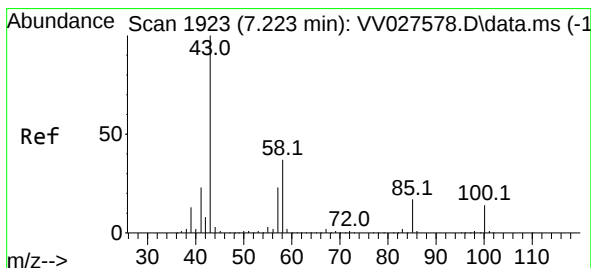
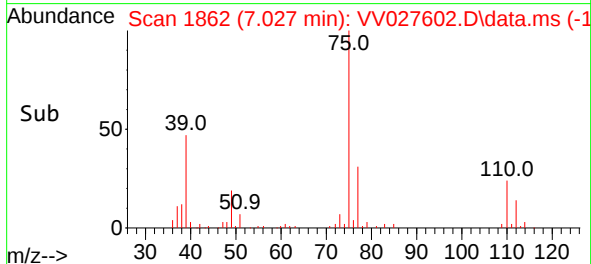
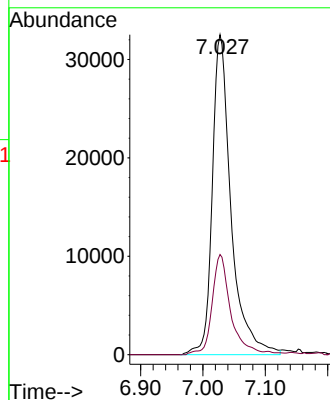
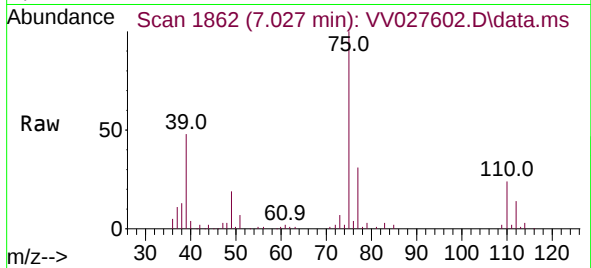
ClientSampleId :

Tgt Ion: 75 Resp: 67972

Ion Ratio Lower Upper

75 100

77 31.3 22.9 42.5



#40

4-Methyl-2-pentanone

Concen: 56.030 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

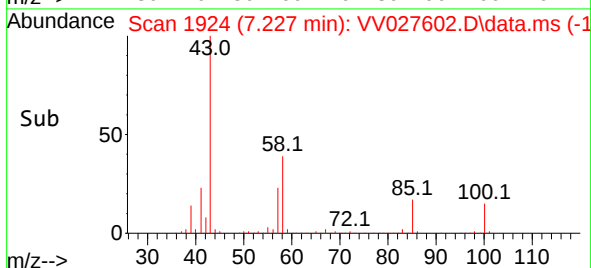
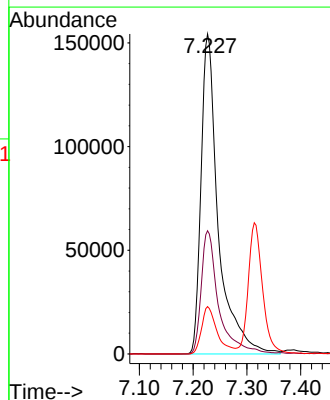
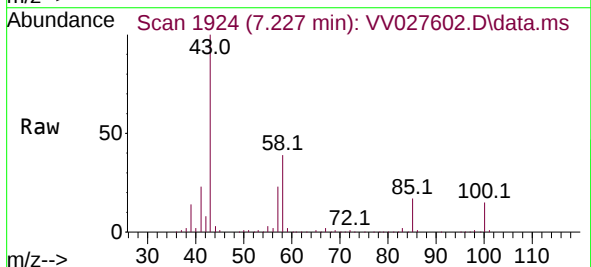
Tgt Ion: 43 Resp: 343743

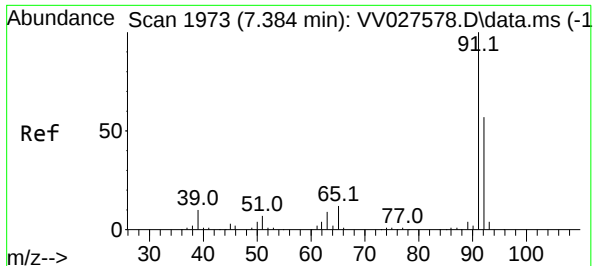
Ion Ratio Lower Upper

43 100

58 38.9 30.6 45.8

100 13.5 11.0 16.4





#42

Toluene

Concen: 5.265 ug/L

RT: 7.384 min Scan# 1973

Delta R.T. 0.000 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

Instrument :

MSVOA\_V

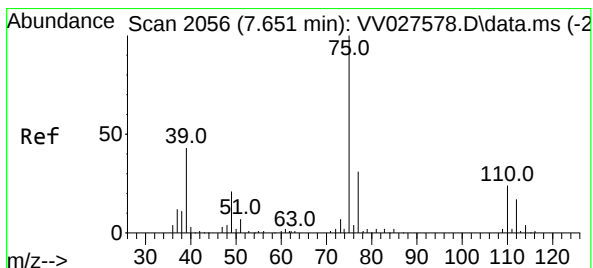
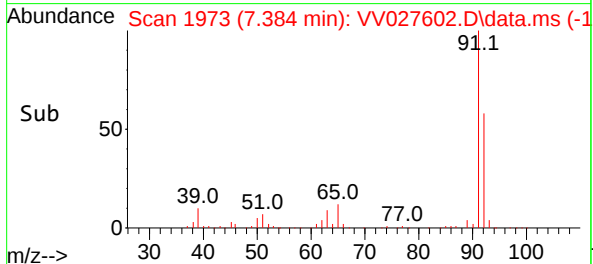
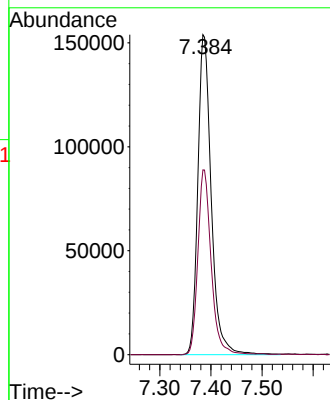
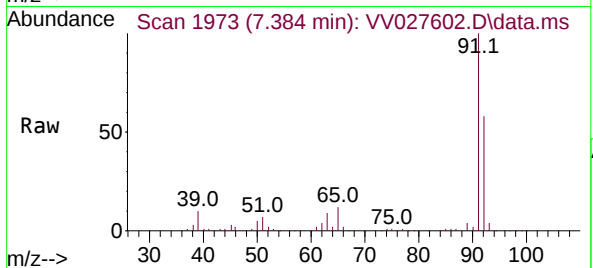
ClientSampleId :

Tgt Ion: 91 Resp: 279899

Ion Ratio Lower Upper

91 100

92 57.7 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 4.088 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.000 min

Lab File: VV027602.D

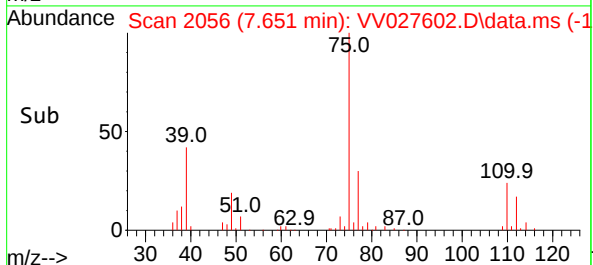
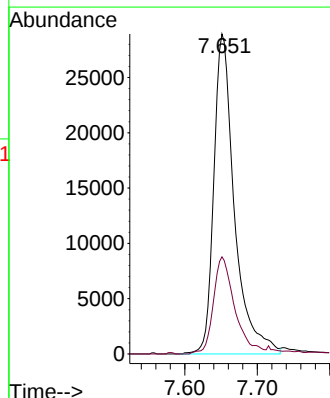
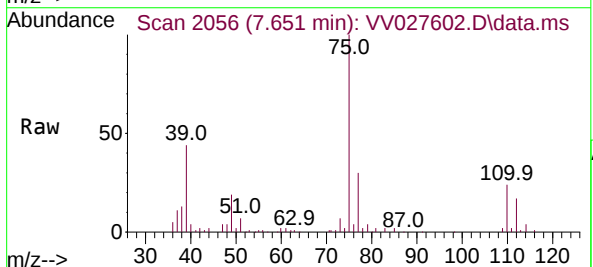
Acq: 30 Aug 2022 21:47

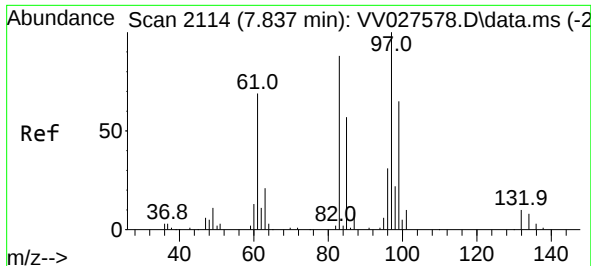
Tgt Ion: 75 Resp: 57218

Ion Ratio Lower Upper

75 100

77 30.4 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 5.247 ug/L

RT: 7.838 min Scan# 2114

Delta R.T. 0.000 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

Instrument :

MSVOA\_V

ClientSampleId :

Tgt Ion: 97 Resp: 46057

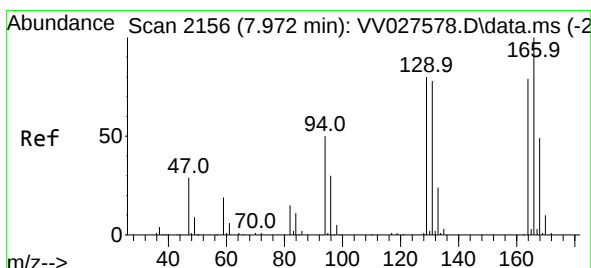
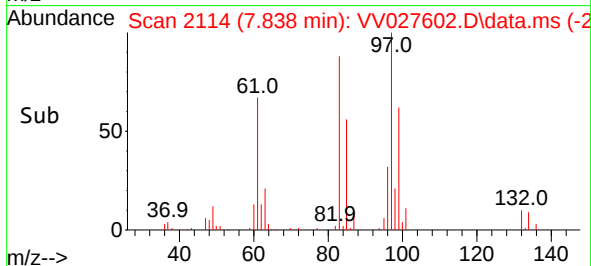
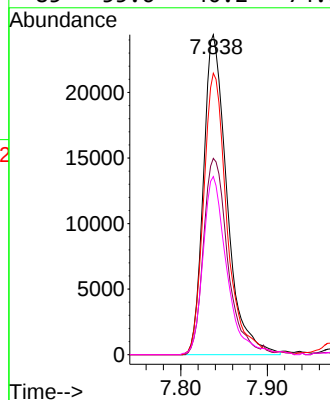
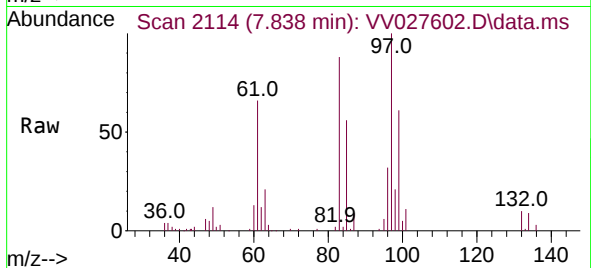
Ion Ratio Lower Upper

97 100

99 61.4 46.1 85.7

83 87.9 63.0 117.0

85 55.6 40.2 74.6



#47

Tetrachloroethene

Concen: 4.451 ug/L

RT: 7.976 min Scan# 2157

Delta R.T. 0.003 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

Tgt Ion:164 Resp: 46996

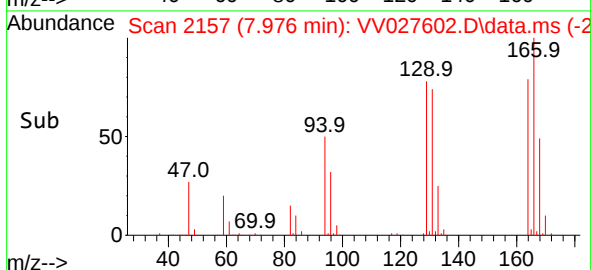
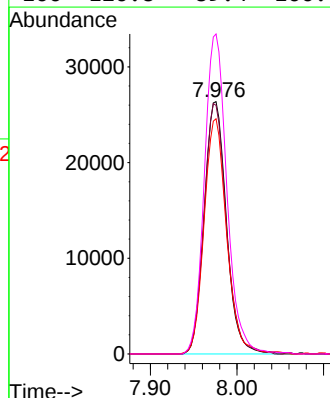
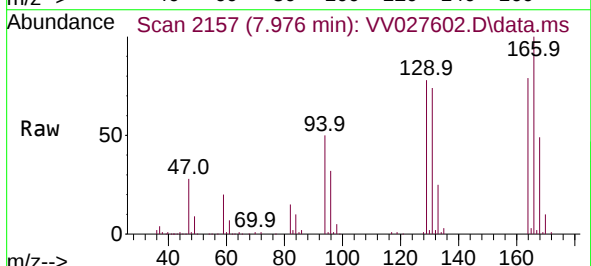
Ion Ratio Lower Upper

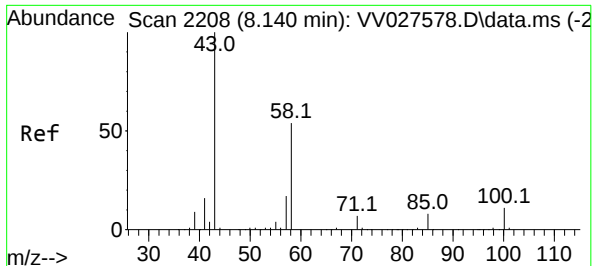
164 100

129 98.5 71.1 132.1

131 93.2 64.5 119.9

166 126.8 89.4 166.0

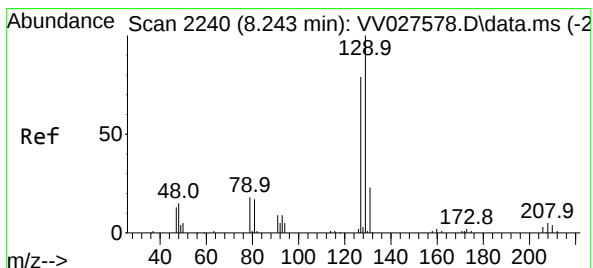
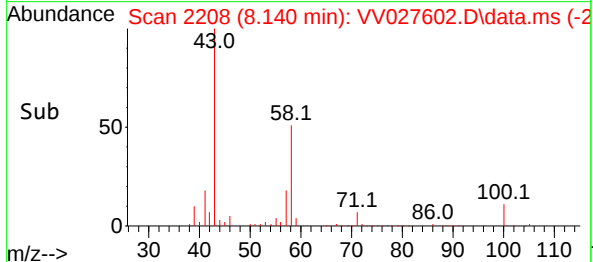
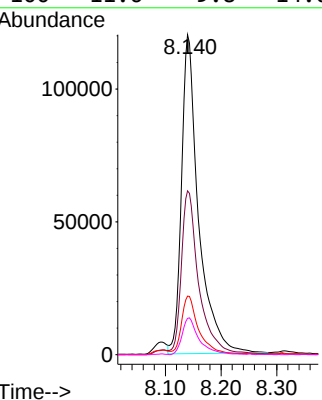
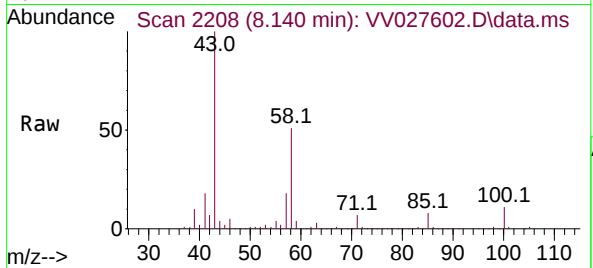




#48  
2-Hexanone  
Concen: 57.696 ug/L  
RT: 8.140 min Scan# 21  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

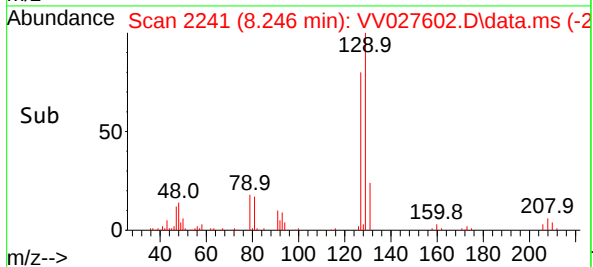
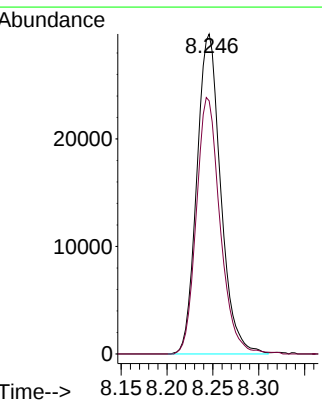
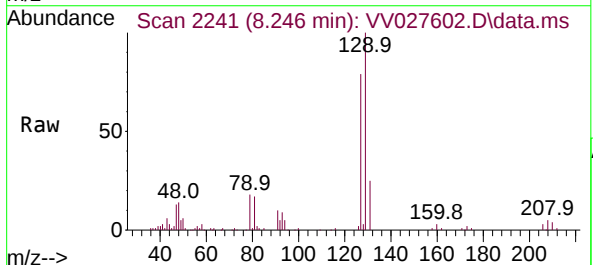
Instrument :  
MSVOA\_V  
ClientSampleId :

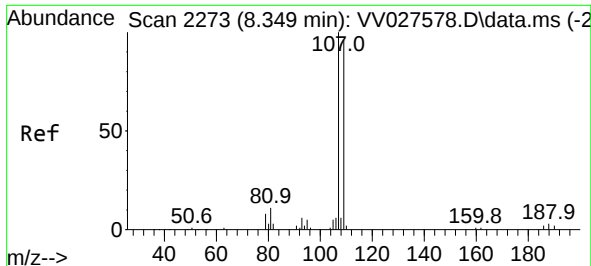
Tgt Ion: 43 Resp: 255055  
Ion Ratio Lower Upper  
43 100  
58 52.2 41.3 61.9  
57 18.0 14.9 22.3  
100 11.6 9.8 14.6



#49  
Dibromochloromethane  
Concen: 4.997 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. 0.003 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

Tgt Ion:129 Resp: 53946  
Ion Ratio Lower Upper  
129 100  
127 79.1 55.9 103.7





#50

1,2-Dibromoethane

Concen: 5.673 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV027602.D

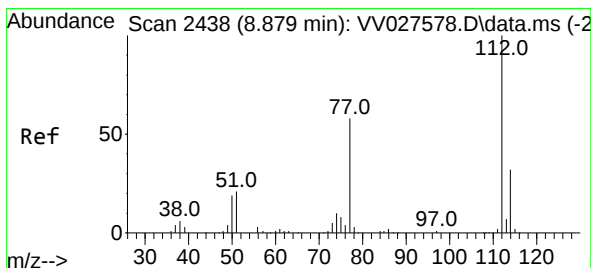
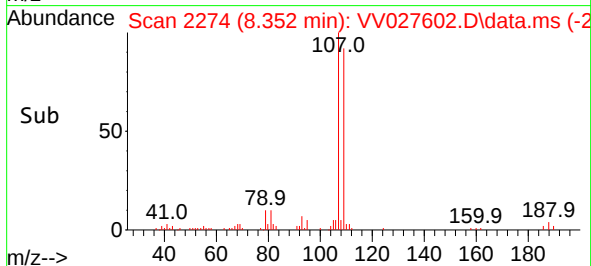
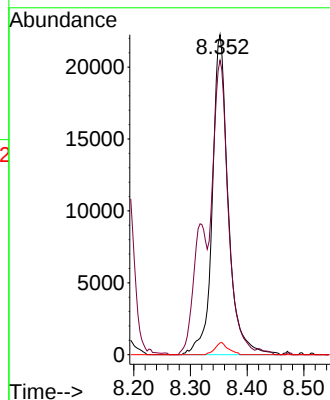
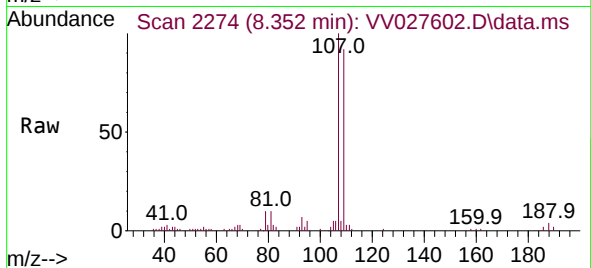
Acq: 30 Aug 2022 21:47

Instrument :

MSVOA\_V

ClientSampleId :

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 107   | Resp: | 43464 |
| Ion      | Ratio | Lower | Upper |
| 107      | 100   |       |       |
| 109      | 92.0  | 67.8  | 125.8 |
| 188      | 3.7   | 3.5   | 5.3   |



#51

Chlorobenzene

Concen: 4.991 ug/L

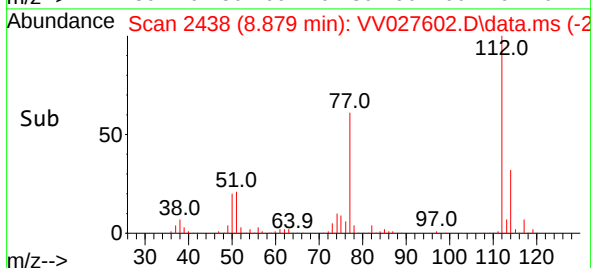
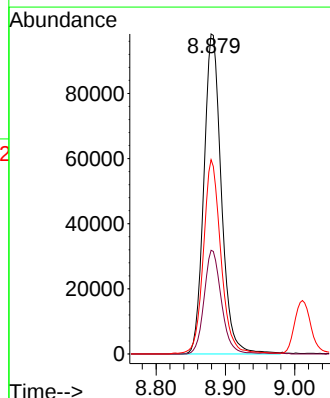
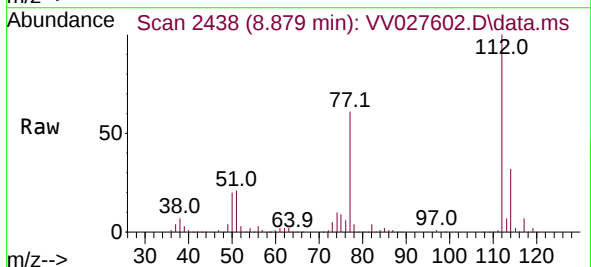
RT: 8.879 min Scan# 2438

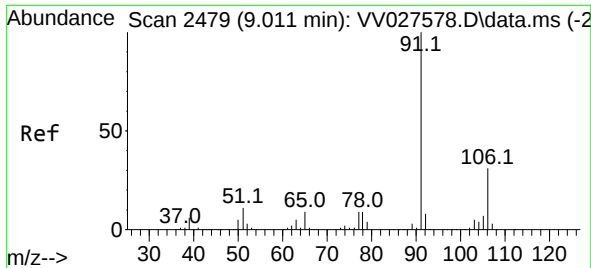
Delta R.T. 0.000 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 112   | Resp: | 171711 |
| Ion      | Ratio | Lower | Upper  |
| 112      | 100   |       |        |
| 114      | 32.4  | 22.7  | 42.1   |
| 77       | 60.7  | 46.2  | 69.4   |

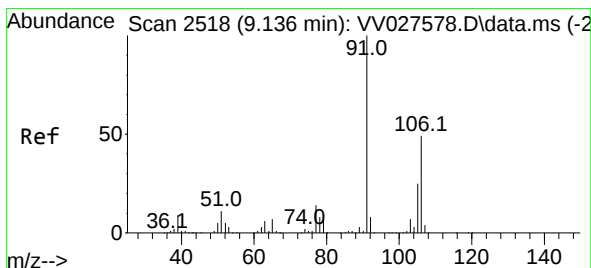
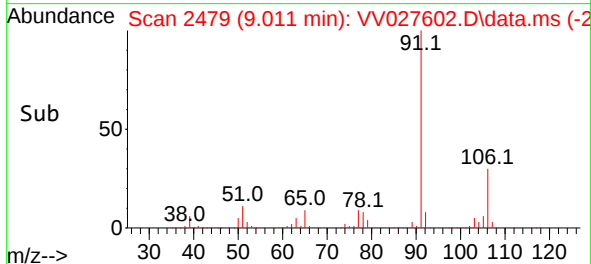
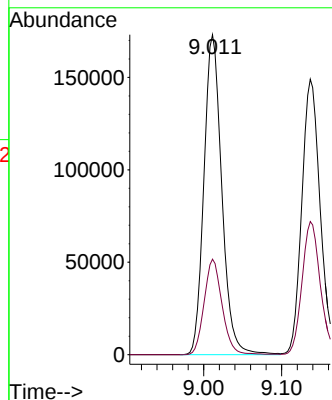
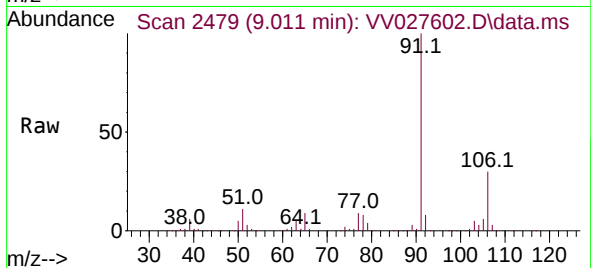




#52  
Ethylbenzene  
Concen: 5.085 ug/L  
RT: 9.011 min Scan# 2479  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

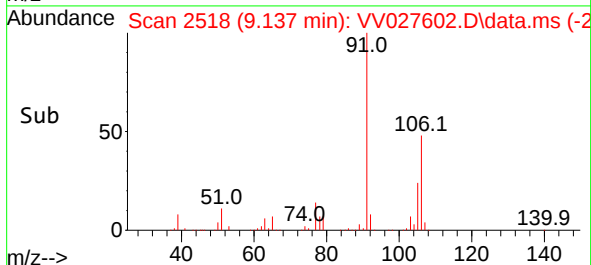
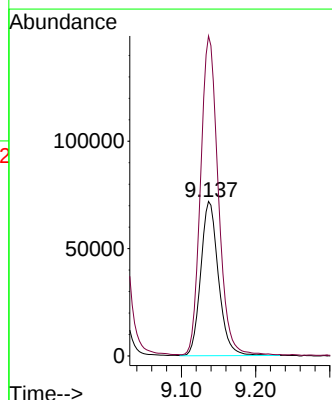
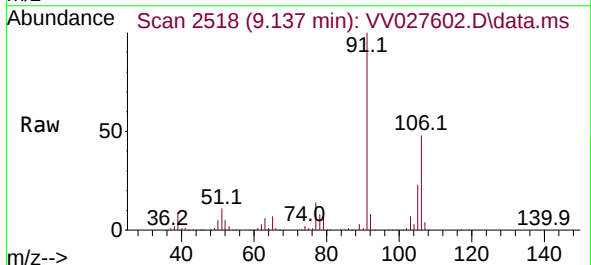
Instrument :  
MSVOA\_V  
ClientSampleId :

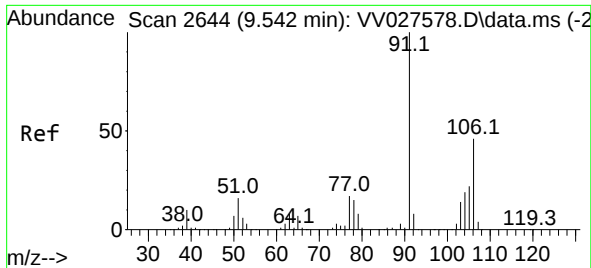
Tgt Ion: 91 Resp: 275930  
Ion Ratio Lower Upper  
91 100  
106 29.9 21.4 39.8



#53  
m,p-Xylene  
Concen: 5.726 ug/L  
RT: 9.137 min Scan# 2518  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

Tgt Ion: 106 Resp: 118899  
Ion Ratio Lower Upper  
106 100  
91 207.1 143.8 267.0

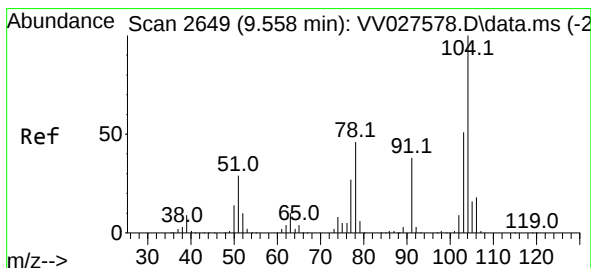
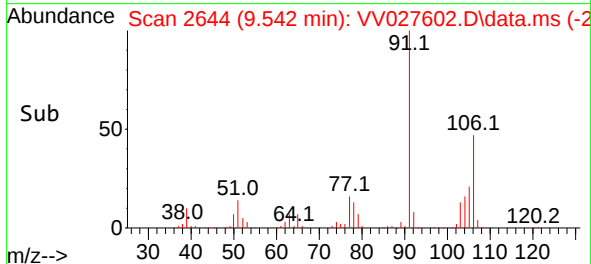
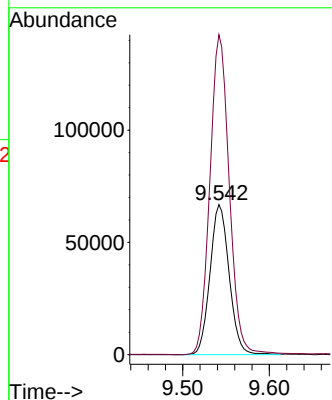
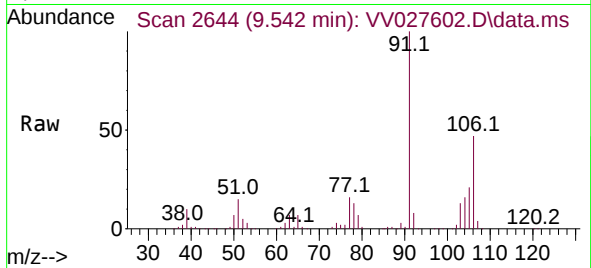




#54  
o-Xylene  
Concen: 5.111 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

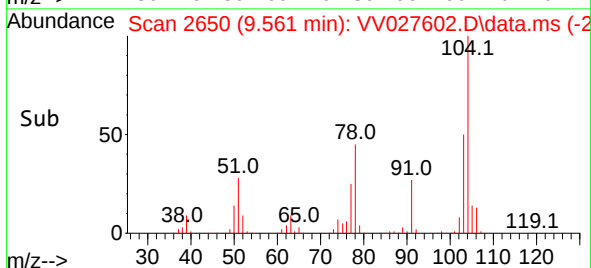
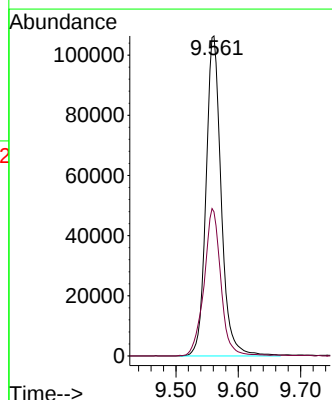
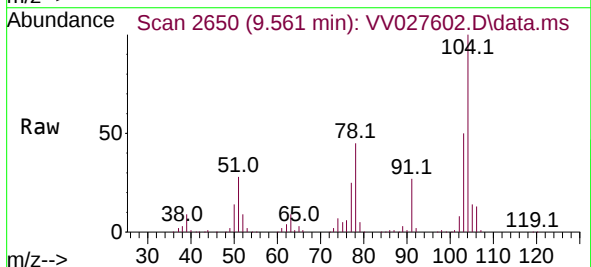
Instrument :  
MSVOA\_V  
ClientSampleId :

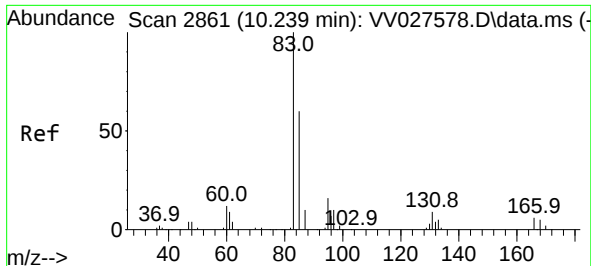
Tgt Ion:106 Resp: 102940  
Ion Ratio Lower Upper  
106 100  
91 213.3 151.6 281.6



#55  
Styrene  
Concen: 5.265 ug/L  
RT: 9.561 min Scan# 2650  
Delta R.T. 0.003 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

Tgt Ion:104 Resp: 180415  
Ion Ratio Lower Upper  
104 100  
78 45.0 32.0 59.4

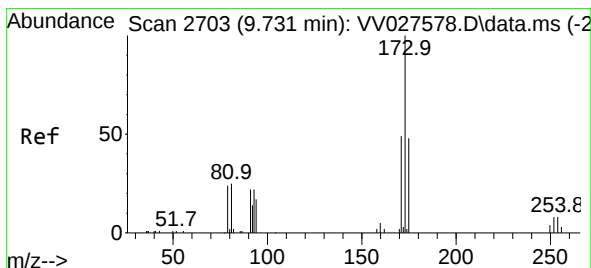
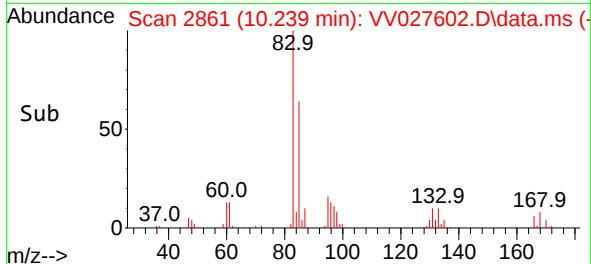
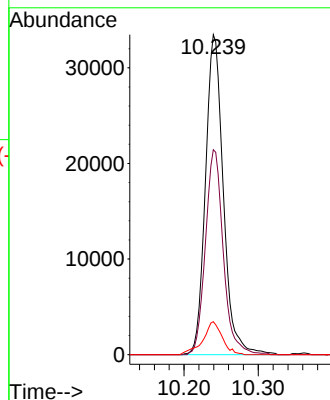
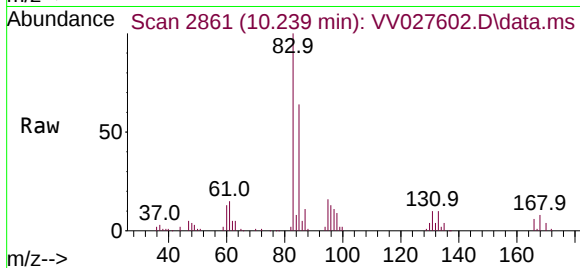




#57  
 1,1,2,2-Tetrachloroethane  
 Concen: 5.648 ug/L  
 RT: 10.239 min Scan# 2861  
 Delta R.T. 0.000 min  
 Lab File: VV027602.D  
 Acq: 30 Aug 2022 21:47

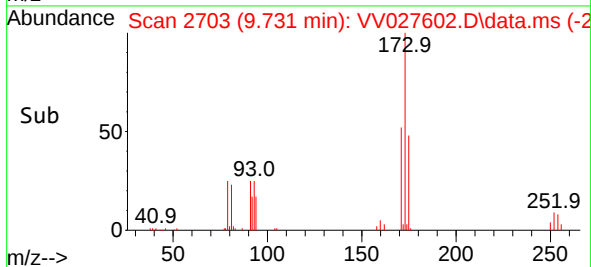
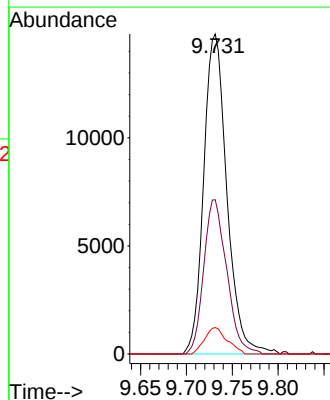
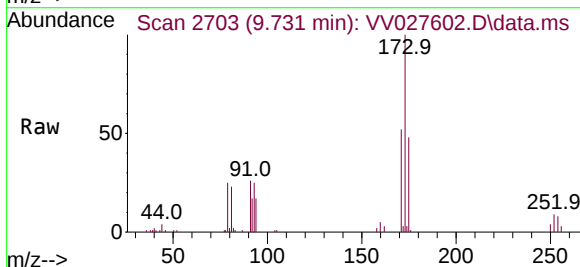
Instrument :  
 MSVOA\_V  
 ClientSampleId :

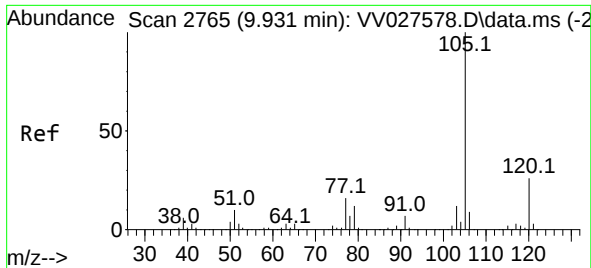
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 55846 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 85       | 64.1  | 44.1  | 81.9  |
| 131      | 10.3  | 7.3   | 10.9  |



#59  
 Bromoform  
 Concen: 4.939 ug/L  
 RT: 9.731 min Scan# 2703  
 Delta R.T. 0.000 min  
 Lab File: VV027602.D  
 Acq: 30 Aug 2022 21:47

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 173   | Resp: | 26061 |
| Ion      | Ratio | Lower | Upper |
| 173      | 100   |       |       |
| 175      | 47.7  | 39.0  | 58.6  |
| 254      | 8.0   | 7.1   | 10.7  |

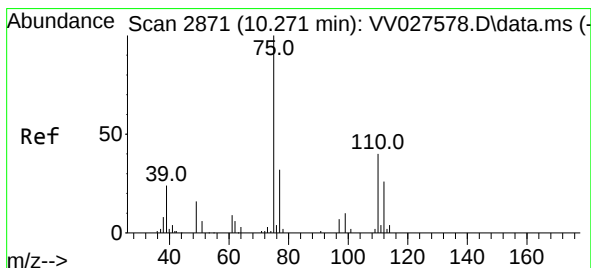
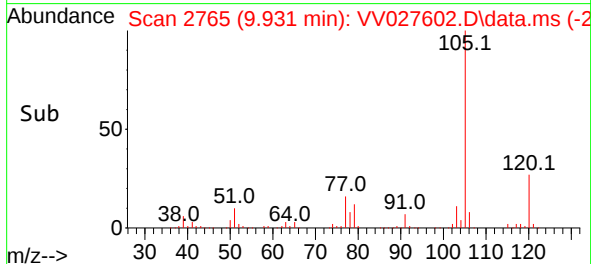
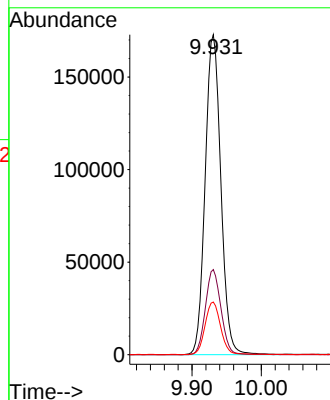
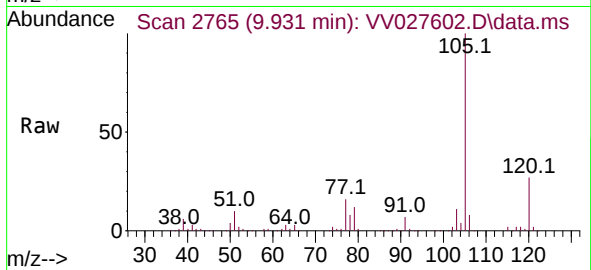




#60  
Isopropylbenzene  
Concen: 5.231 ug/L  
RT: 9.931 min Scan# 2765  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

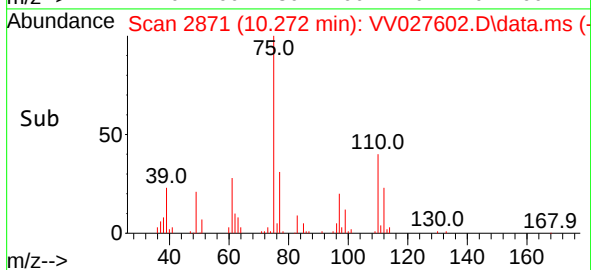
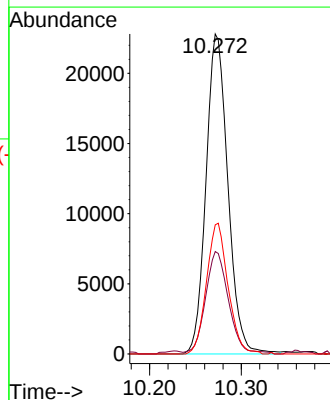
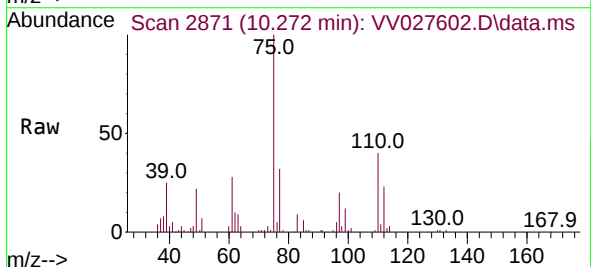
Instrument :  
MSVOA\_V  
ClientSampleId :

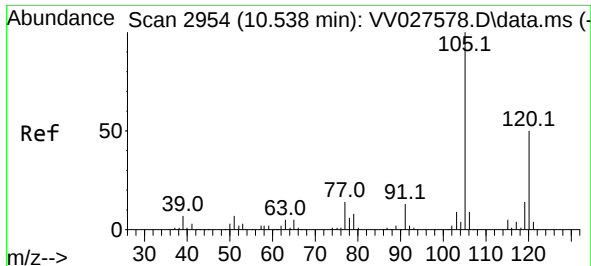
Tgt Ion:105 Resp: 271021  
Ion Ratio Lower Upper  
105 100  
120 26.5 20.9 31.3  
77 16.4 13.0 19.6



#61  
1,2,3-Trichloropropane  
Concen: 5.471 ug/L  
RT: 10.272 min Scan# 2871  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

Tgt Ion: 75 Resp: 37793  
Ion Ratio Lower Upper  
75 100  
77 33.7 26.2 39.2  
110 40.3 29.9 44.9





#62

1,3,5-Trimethylbenzene

Concen: 4.925 ug/L

RT: 10.538 min Scan# 2954

Delta R.T. 0.000 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

Instrument :

MSVOA\_V

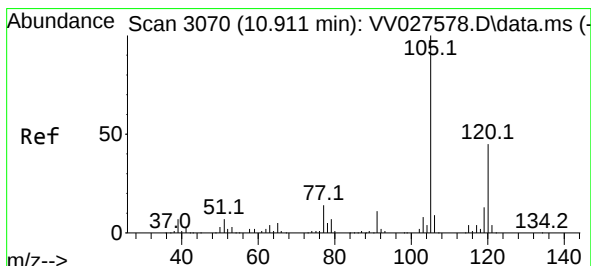
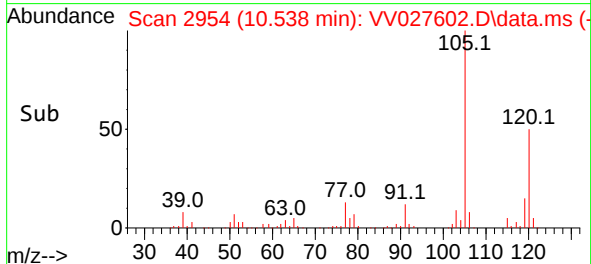
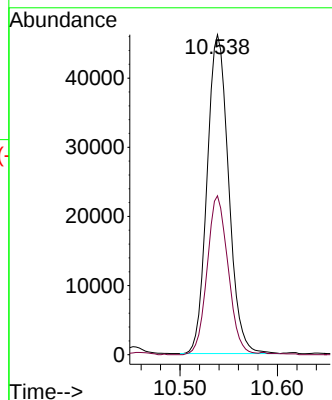
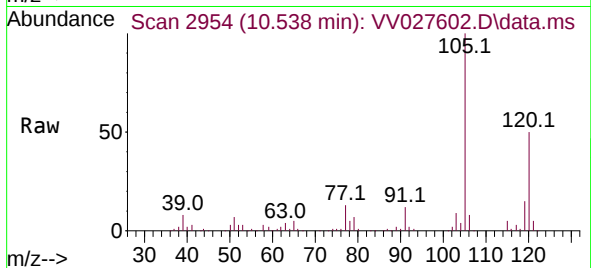
ClientSampleId :

Tgt Ion:105 Resp: 70745

Ion Ratio Lower Upper

105 100

120 48.7 38.7 58.1



#63

1,2,4-Trimethylbenzene

Concen: 5.137 ug/L

RT: 10.915 min Scan# 3071

Delta R.T. 0.003 min

Lab File: VV027602.D

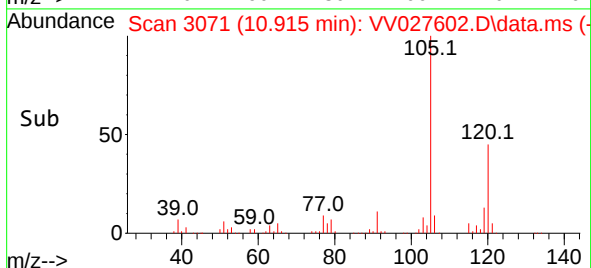
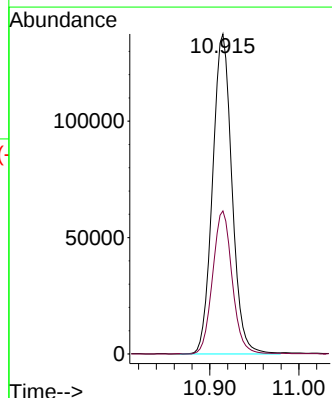
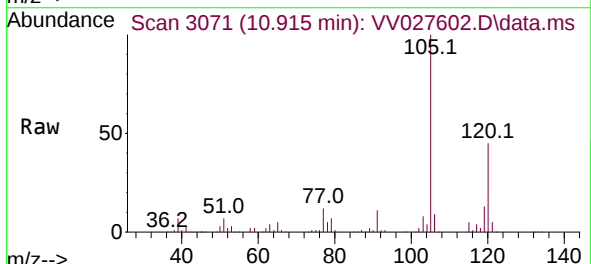
Acq: 30 Aug 2022 21:47

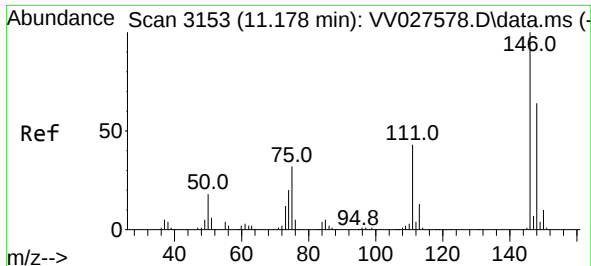
Tgt Ion:105 Resp: 207902

Ion Ratio Lower Upper

105 100

120 45.0 35.8 53.6

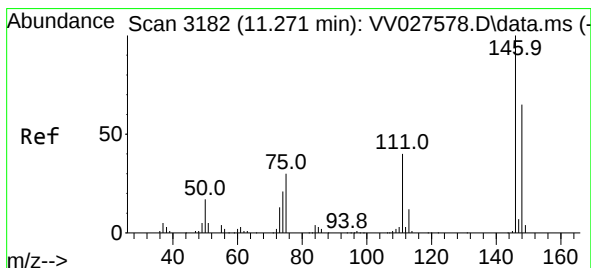
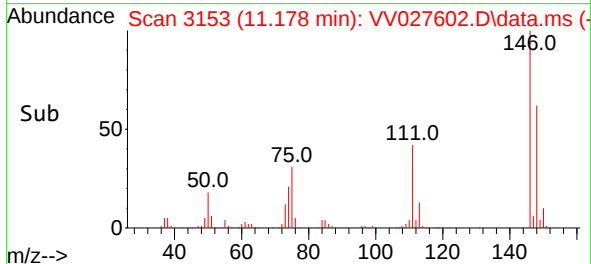
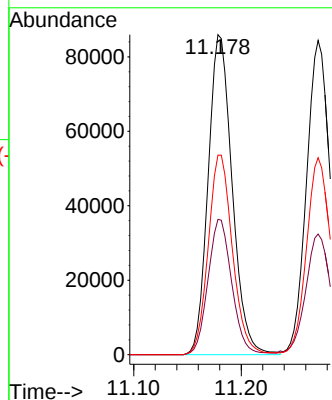
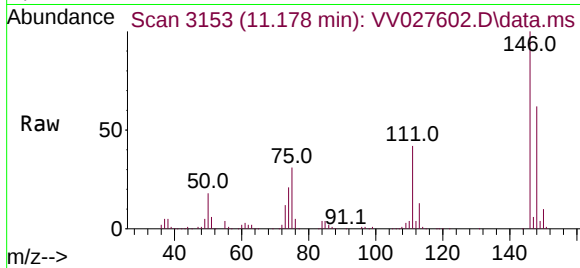




#64  
1,3-Dichlorobenzene  
Concen: 5.235 ug/L  
RT: 11.178 min Scan# 3153  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

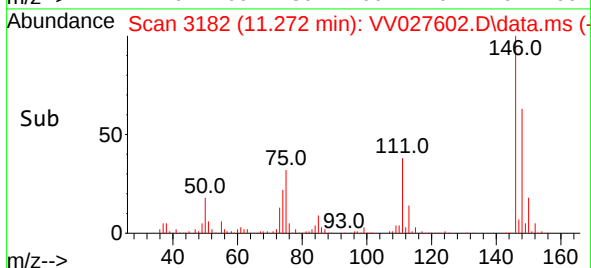
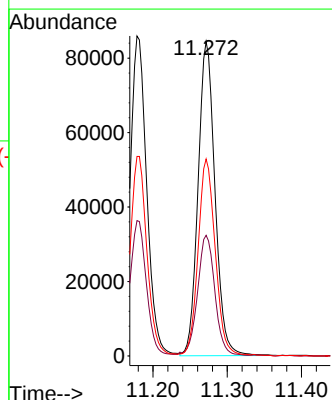
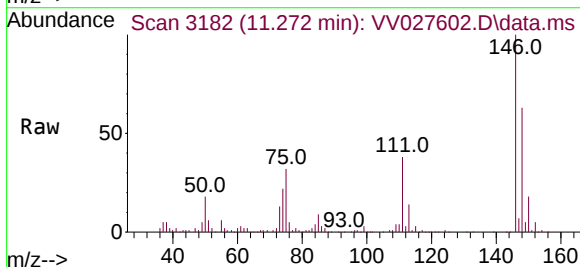
Instrument :  
MSVOA\_V  
ClientSampleId :

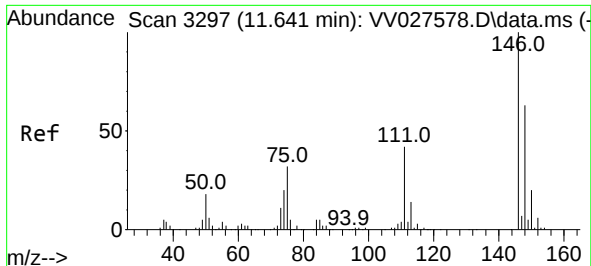
Tgt Ion:146 Resp: 133623  
Ion Ratio Lower Upper  
146 100  
111 42.3 28.8 53.4  
148 62.3 44.0 81.6



#65  
1,4-Dichlorobenzene  
Concen: 5.271 ug/L  
RT: 11.272 min Scan# 3182  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

Tgt Ion:146 Resp: 134138  
Ion Ratio Lower Upper  
146 100  
111 38.4 26.6 49.4  
148 62.7 42.6 79.0

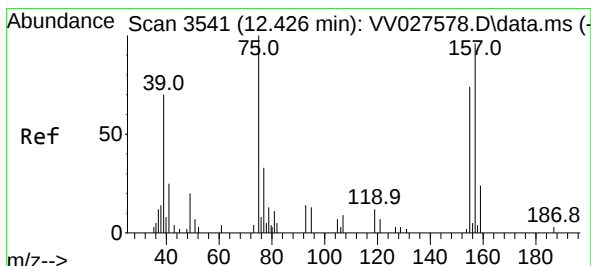
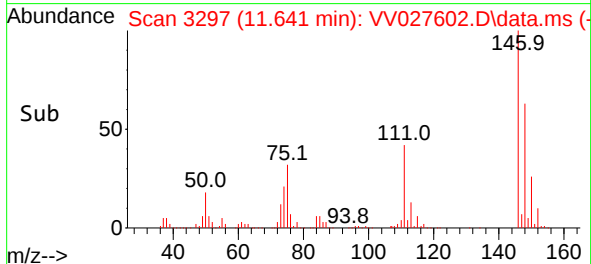
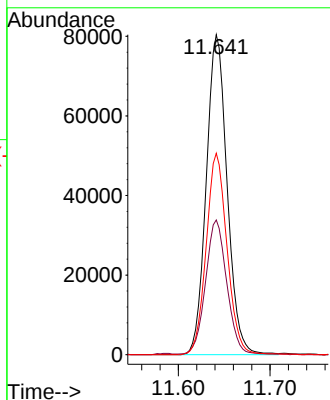
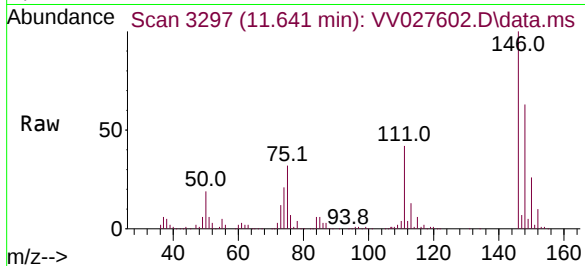




#67  
1,2-Dichlorobenzene  
Concen: 5.499 ug/L  
RT: 11.641 min Scan# 31  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

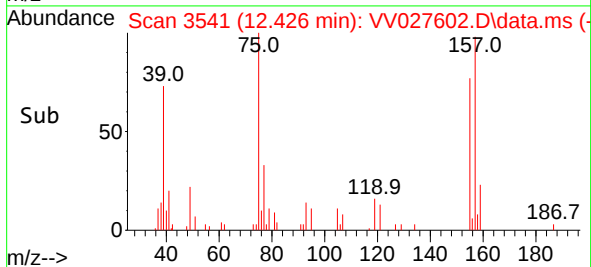
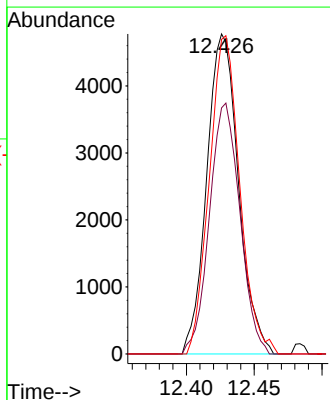
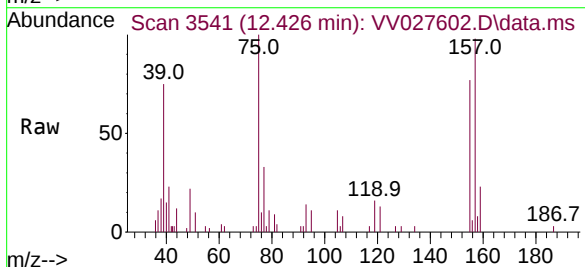
Instrument :  
MSVOA\_V  
ClientSampleId :

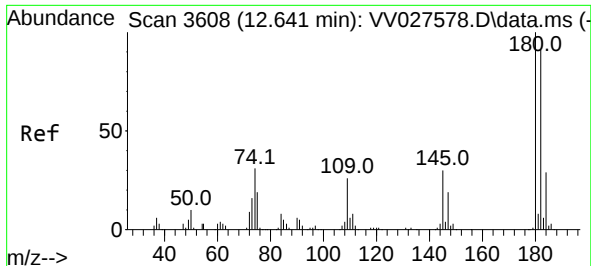
Tgt Ion:146 Resp: 127260  
Ion Ratio Lower Upper  
146 100  
111 42.1 34.5 51.7  
148 62.9 50.6 76.0



#68  
1,2-Dibromo-3-chloropropane  
Concen: 5.063 ug/L  
RT: 12.426 min Scan# 3541  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

Tgt Ion: 75 Resp: 7770  
Ion Ratio Lower Upper  
75 100  
155 76.9 63.1 94.7  
157 98.3 81.8 122.8





#69

1,3,5-Trichlorobenzene

Concen: 5.218 ug/L

RT: 12.644 min Scan# 3608

Delta R.T. 0.003 min

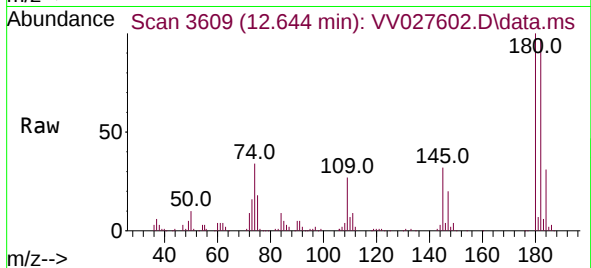
Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

Instrument :

MSVOA\_V

ClientSampleId :



Tgt Ion:180 Resp: 99420

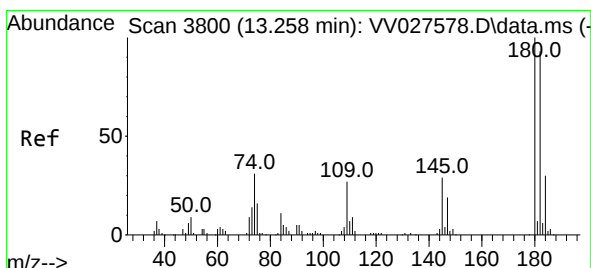
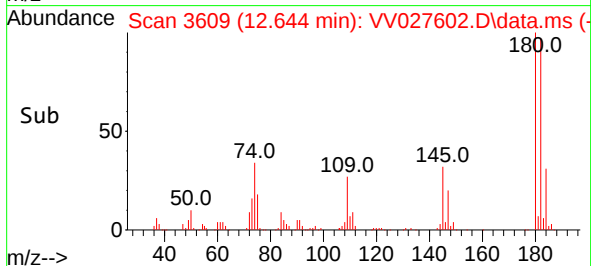
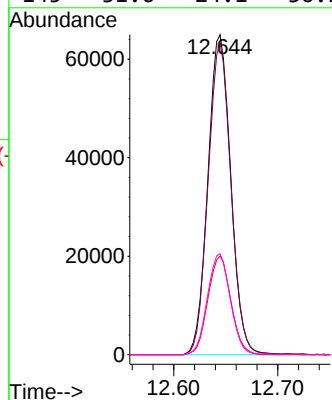
Ion Ratio Lower Upper

180 100

182 97.0 74.1 111.1

184 30.8 23.2 34.8

145 31.6 24.1 36.1



#70

1,2,4-trichlorobenzene

Concen: 5.420 ug/L

RT: 13.259 min Scan# 3800

Delta R.T. 0.000 min

Lab File: VV027602.D

Acq: 30 Aug 2022 21:47

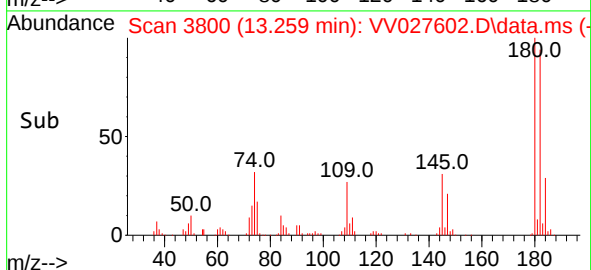
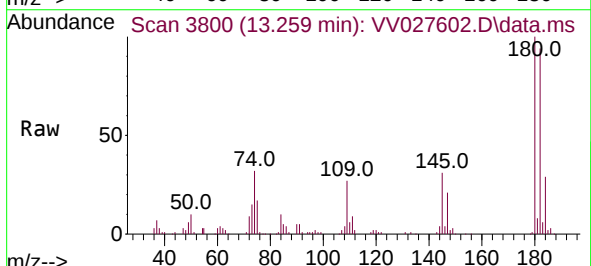
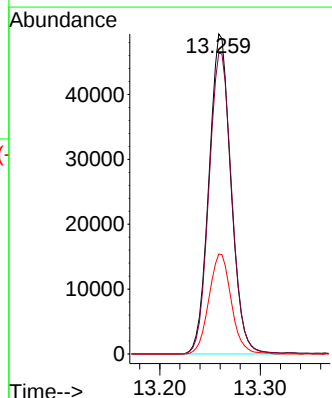
Tgt Ion:180 Resp: 75051

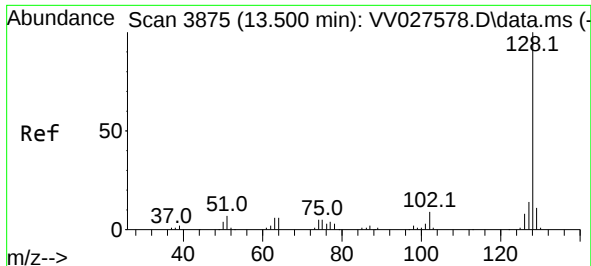
Ion Ratio Lower Upper

180 100

182 97.0 76.0 114.0

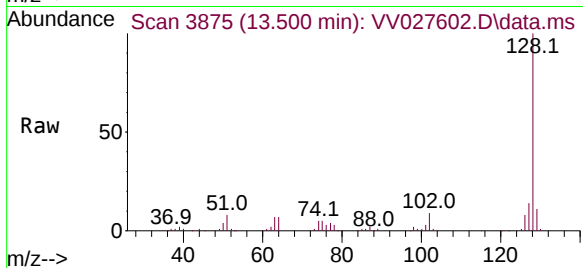
145 31.7 24.9 37.3



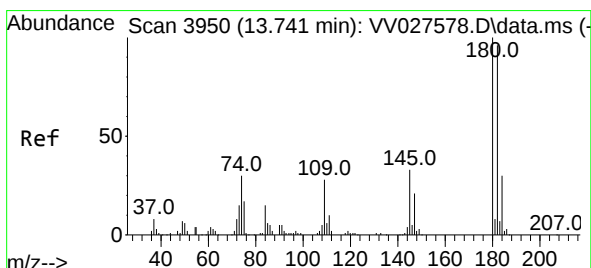
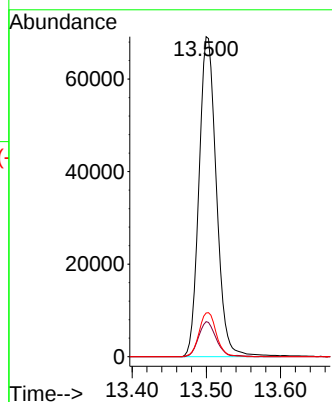
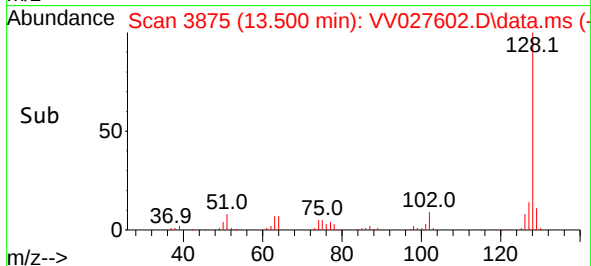


#71  
Naphthalene  
Concen: 5.898 ug/L  
RT: 13.500 min Scan# 3875  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47

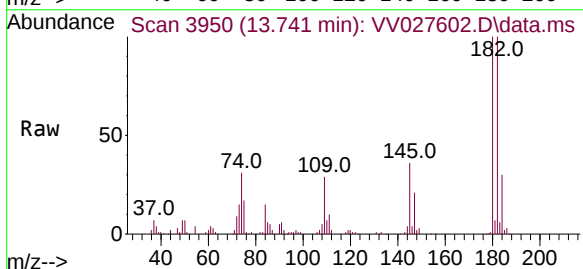
Instrument :  
MSVOA\_V  
ClientSampleId :



Tgt Ion:128 Resp: 112739  
Ion Ratio Lower Upper  
128 100  
129 10.8 8.7 13.1  
127 13.7 10.4 15.6



#72  
1,2,3-Trichlorobenzene  
Concen: 5.623 ug/L  
RT: 13.741 min Scan# 3950  
Delta R.T. 0.000 min  
Lab File: VV027602.D  
Acq: 30 Aug 2022 21:47



Tgt Ion:180 Resp: 69143  
Ion Ratio Lower Upper  
180 100  
182 97.5 75.3 112.9  
145 34.4 26.6 39.8

