

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW060222\  
 Data File : VW025988.D  
 Acq On : 02 Jun 2022 16:46  
 Operator : SY/MD  
 Sample : N3171-14MS  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBTZ0MS

Quant Time: Jun 03 00:08:41 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM051022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 03 00:06:32 2022  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|-------|----------|
| -----                         |                |      |            |          |       |          |
| Internal Standards            |                |      |            |          |       |          |
| 1) 1,4-Difluorobenzene        | 5.619          | 114  | 335483     | 50.000   | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.850          | 117  | 340574     | 50.000   | ug/L  | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249         | 152  | 192182     | 50.000   | ug/L  | 0.00     |
|                               |                |      |            |          |       |          |
| System Monitoring Compounds   |                |      |            |          |       |          |
| 4) Vinyl Chloride-d3          | 1.310          | 65   | 158781     | 36.672   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 73.340%  |       |          |
| 7) Chloroethane-d5            | 1.571          | 69   | 139987     | 36.817   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 73.640%  |       |          |
| 11) 1,1-Dichloroethene-d2     | 2.111          | 63   | 310975     | 41.066   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 82.140%  |       |          |
| 21) 2-Butanone-d5             | 3.896          | 46   | 162441     | 87.533   | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 87.530%  |       |          |
| 24) Chloroform-d              | 4.352          | 84   | 280542     | 46.390   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.780%  |       |          |
| 26) 1,2-Dichloroethane-d4     | 5.034          | 65   | 163404     | 44.708   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.420%  |       |          |
| 32) Benzene-d6                | 5.050          | 84   | 551781     | 46.474   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 92.940%  |       |          |
| 36) 1,2-Dichloropropane-d6    | 6.069          | 67   | 171361     | 46.992   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 93.980%  |       |          |
| 41) Toluene-d8                | 7.317          | 98   | 511236     | 46.734   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 93.460%  |       |          |
| 43) trans-1,3-Dichloroprop... | 7.622          | 79   | 77764      | 47.772   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 95.540%  |       |          |
| 47) 2-Hexanone-d5             | 8.088          | 63   | 136402     | 102.025  | ug/L  | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 102.030% |       |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.214         | 84   | 254332     | 52.299   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 104.600% |       |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.622         | 152  | 202351     | 48.000   | ug/L  | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 96.000%  |       |          |
|                               |                |      |            |          |       |          |
| Target Compounds              |                |      |            |          |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.134          | 85   | 157274     | 45.342   | ug/L  | 99       |
| 3) Chloromethane              | 1.243          | 50   | 186661     | 44.497   | ug/L  | 100      |
| 5) Vinyl chloride             | 1.314          | 62   | 200855     | 47.096   | ug/L  | 99       |
| 6) Bromomethane               | 1.526          | 94   | 115996     | 44.760   | ug/L  | 99       |
| 8) Chloroethane               | 1.587          | 64   | 133838     | 42.021   | ug/L  | 98       |
| 9) Trichlorofluoromethane     | 1.754          | 101  | 287808     | 47.487   | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117          | 101  | 162734     | 50.537   | ug/L  | 98       |
| 12) 1,1-Dichloroethene        | 2.121          | 96   | 158473     | 50.037   | ug/L  | 87       |
| 13) Acetone                   | 2.185          | 43   | 107894     | 85.199   | ug/L  | 98       |
| 14) Carbon disulfide          | 2.294          | 76   | 370966     | 47.354   | ug/L  | 100      |
| 15) Methyl Acetate            | 2.439          | 43   | 127414     | 46.962   | ug/L  | 98       |
| 16) Methylene chloride        | 2.510          | 84   | 164080     | 53.486   | ug/L  | 99       |
| 17) trans-1,2-Dichloroethene  | 2.764          | 96   | 142810     | 52.484   | ug/L  | 97       |
| 18) Methyl tert-butyl Ether   | 2.773          | 73   | 449982     | 56.861   | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.191          | 63   | 276773     | 54.458   | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.915          | 96   | 157772     | 53.717   | ug/L  | 99       |
| 22) 2-Butanone                | 3.979          | 43   | 163394     | 96.750   | ug/L  | 95       |
| 23) Bromochloromethane        | 4.249          | 128  | 84946      | 54.755   | ug/L  | 98       |
| 25) Chloroform                | 4.378          | 83   | 291583     | 54.141   | ug/L  | 100      |

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 Operator : SY/MD  
 Sample : N3171-14MS  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 11 Sample Multiplier: 1

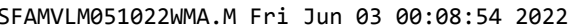
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBTZ0MS

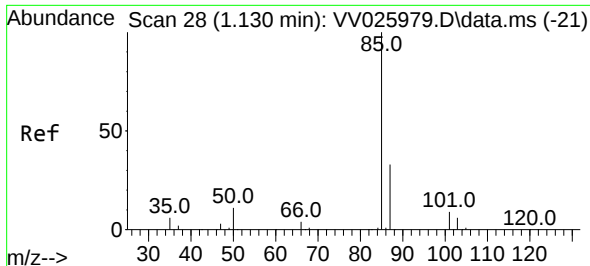
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 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM051022WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Jun 03 00:06:32 2022  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |
|-------------------------------|--------|------|----------|---------|-------|----------|
| 27) 1,2-Dichloroethane        | 5.130  | 62   | 205497   | 50.468  | ug/L  | 99       |
| 29) Cyclohexane               | 4.680  | 56   | 220238   | 53.415  | ug/L  | 100      |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 249081   | 53.851  | ug/L  | 97       |
| 31) Carbon tetrachloride      | 4.828  | 117  | 203636   | 52.440  | ug/L  | 100      |
| 33) Benzene                   | 5.101  | 78   | 627330   | 54.705  | ug/L  | 100      |
| 34) Trichloroethene           | 5.915  | 95   | 155974   | 52.002  | ug/L  | 98       |
| 35) Methylcyclohexane         | 6.130  | 83   | 244892   | 54.515  | ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 168250   | 58.406  | ug/L  | 100      |
| 38) Bromodichloromethane      | 6.510  | 83   | 214521   | 55.068  | ug/L  | 97       |
| 39) cis-1,3-Dichloropropene   | 7.027  | 75   | 230017   | 55.993  | ug/L  | 99       |
| 40) 4-Methyl-2-pentanone      | 7.227  | 43   | 412143   | 122.396 | ug/L  | 98       |
| 42) Toluene                   | 7.387  | 91   | 682508   | 55.480  | ug/L  | 100      |
| 44) trans-1,3-Dichloropropene | 7.651  | 75   | 218054   | 55.174  | ug/L  | 100      |
| 45) 1,1,2-Trichloroethane     | 7.837  | 97   | 166956   | 57.040  | ug/L  | 100      |
| 46) Tetrachloroethene         | 7.976  | 164  | 118309   | 53.473  | ug/L  | 97       |
| 48) 2-Hexanone                | 8.140  | 43   | 319768   | 122.049 | ug/L  | 98       |
| 49) Dibromochloromethane      | 8.246  | 129  | 158779   | 54.995  | ug/L  | 100      |
| 50) 1,2-Dibromoethane         | 8.352  | 107  | 170223   | 57.188  | ug/L  | 98       |
| 51) Chlorobenzene             | 8.879  | 112  | 425721   | 54.042  | ug/L  | 99       |
| 52) Ethylbenzene              | 9.011  | 91   | 710250   | 55.961  | ug/L  | 100      |
| 53) m,p-Xylene                | 9.136  | 106  | 277162   | 56.301  | ug/L  | 99       |
| 54) o-Xylene                  | 9.542  | 106  | 276704   | 57.220  | ug/L  | 100      |
| 55) Styrene                   | 9.558  | 104  | 496593   | 58.935  | ug/L  | 100      |
| 57) 1,1,2,2-Tetrachloroethane | 10.239 | 83   | 263154   | 60.257  | ug/L  | 99       |
| 59) Bromoform                 | 9.731  | 173  | 98618    | 53.195  | ug/L  | 99       |
| 60) Isopropylbenzene          | 9.931  | 105  | 722264   | 56.107  | ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.271 | 75   | 208465   | 54.803  | ug/L  | 99       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 369908   | 55.748  | ug/L  | 100      |
| 63) 1,2,4-Trimethylbenzene    | 10.915 | 105  | 588450   | 57.159  | ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.178 | 146  | 333042   | 54.656  | ug/L  | 99       |
| 65) 1,4-Dichlorobenzene       | 11.271 | 146  | 342532   | 53.640  | ug/L  | 99       |
| 67) 1,2-Dichlorobenzene       | 11.641 | 146  | 343102   | 54.438  | ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 12.426 | 75   | 49948    | 56.874  | ug/L  | 96       |
| 69) 1,3,5-Trichlorobenzene    | 12.644 | 180  | 227791   | 54.142  | ug/L  | 98       |
| 70) 1,2,4-trichlorobenzene    | 13.258 | 180  | 196744   | 54.915  | ug/L  | 99       |
| 71) Naphthalene               | 13.500 | 128  | 659485   | 62.155  | ug/L  | 100      |
| 72) 1,2,3-Trichlorobenzene    | 13.741 | 180  | 209984   | 57.515  | ug/L  | 99       |

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

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Quant Title : VOC Analysis  
QLast Update : Fri Jun 03 00:06:32 2022  
Response via : Initial Calibration

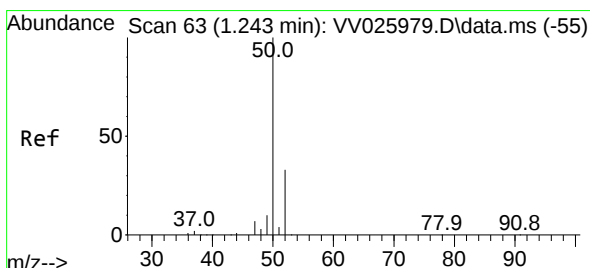
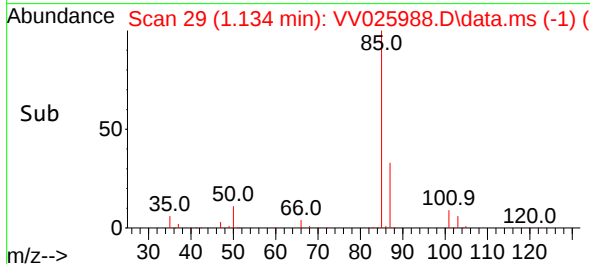
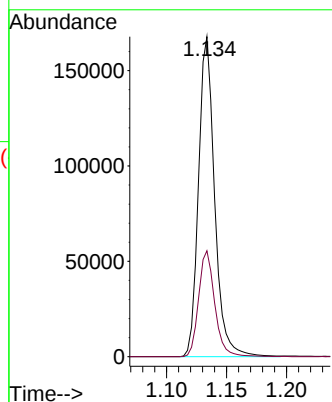
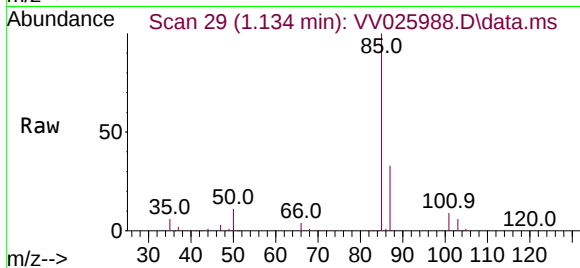




#2  
 Dichlorodifluoromethane  
 Concen: 45.342 ug/L  
 RT: 1.134 min Scan# 28  
 Delta R.T. 0.003 min  
 Lab File: VV025988.D  
 Acq: 02 Jun 2022 16:46

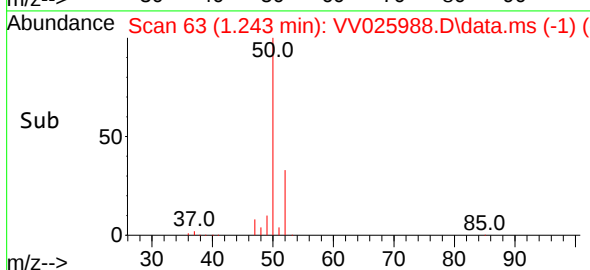
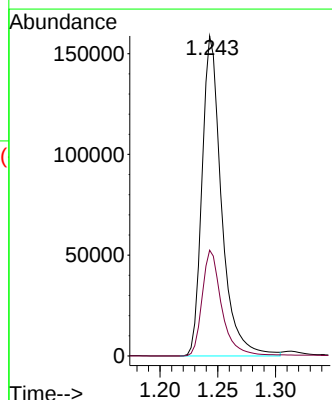
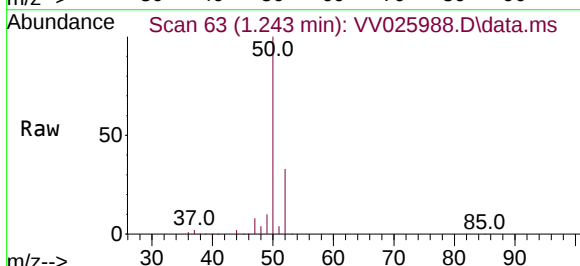
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
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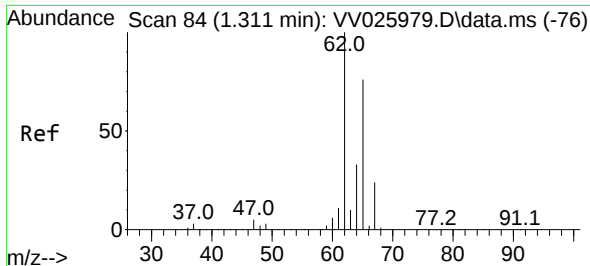
Tgt Ion: 85 Resp: 157274  
 Ion Ratio Lower Upper  
 85 100  
 87 33.2 26.0 39.0



#3  
 Chloromethane  
 Concen: 44.497 ug/L  
 RT: 1.243 min Scan# 63  
 Delta R.T. -0.000 min  
 Lab File: VV025988.D  
 Acq: 02 Jun 2022 16:46

Tgt Ion: 50 Resp: 186661  
 Ion Ratio Lower Upper  
 50 100  
 52 33.1 23.2 43.2

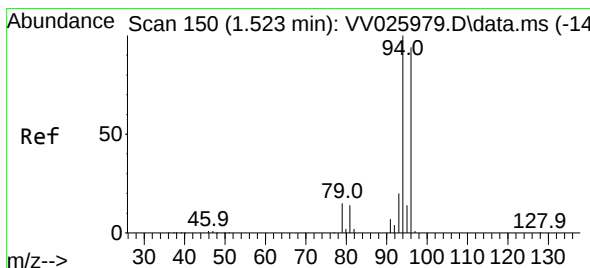
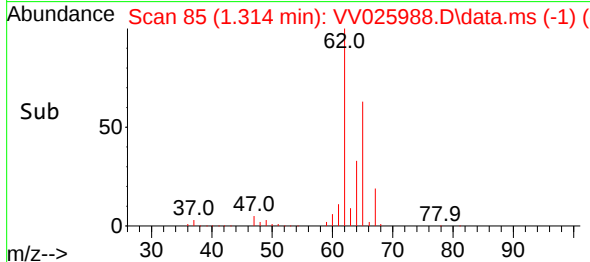
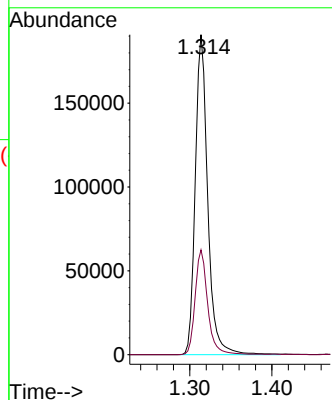
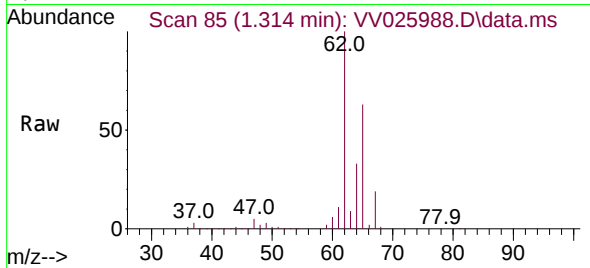




#5  
 Vinyl chloride  
 Concen: 47.096 ug/L  
 RT: 1.314 min Scan# 84  
 Delta R.T. 0.003 min  
 Lab File: VV025988.D  
 Acq: 02 Jun 2022 16:46

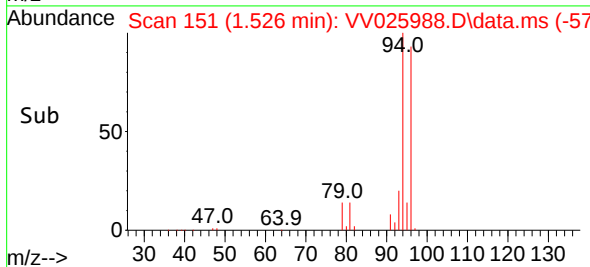
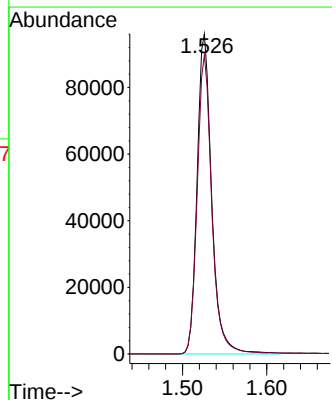
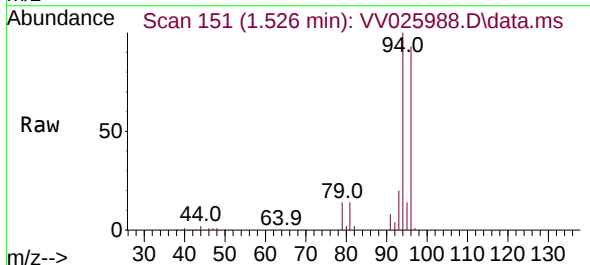
Instrument :  
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 ClientSampleId :  
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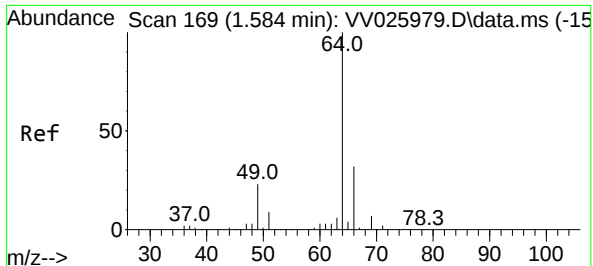
Tgt Ion: 62 Resp: 200855  
 Ion Ratio Lower Upper  
 62 100  
 64 32.8 23.2 43.0



#6  
 Bromomethane  
 Concen: 44.760 ug/L  
 RT: 1.526 min Scan# 151  
 Delta R.T. 0.003 min  
 Lab File: VV025988.D  
 Acq: 02 Jun 2022 16:46

Tgt Ion: 94 Resp: 115996  
 Ion Ratio Lower Upper  
 94 100  
 96 93.3 65.9 122.3

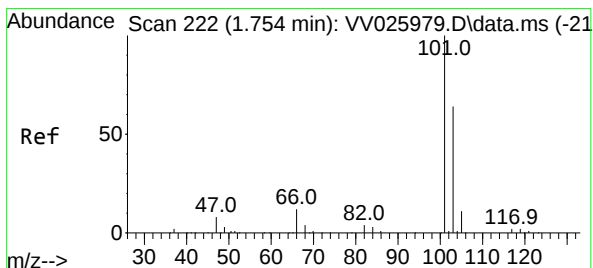
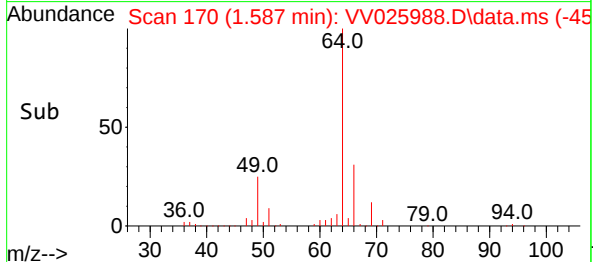
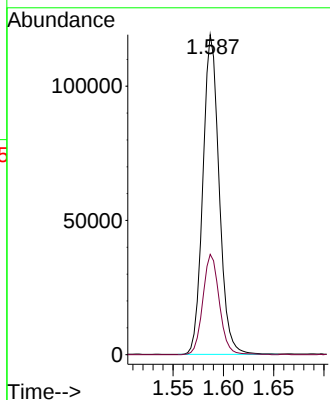
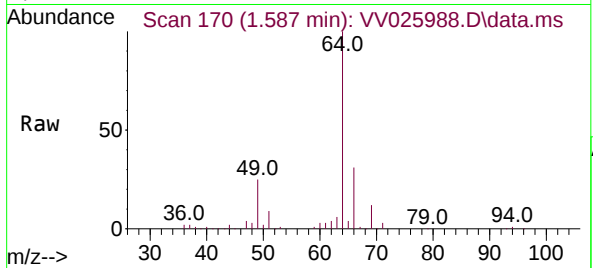




#8  
Chloroethane  
Concen: 42.021 ug/L  
RT: 1.587 min Scan# 11  
Delta R.T. 0.003 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

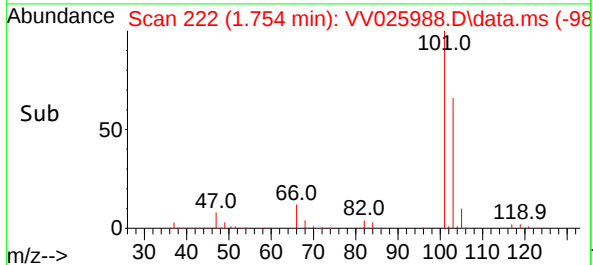
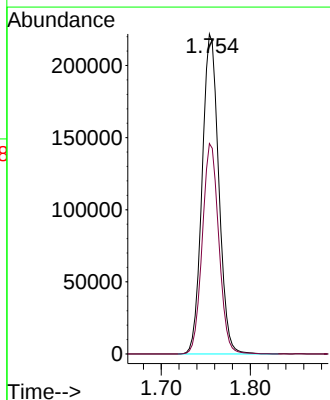
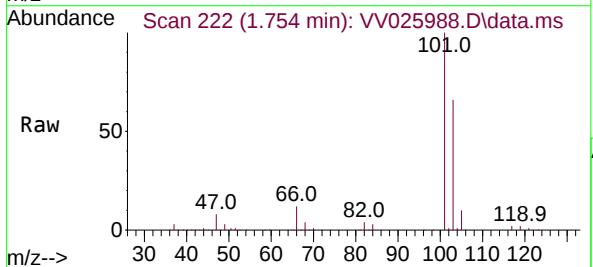
Instrument :  
MSVOA\_V  
ClientSampleId :  
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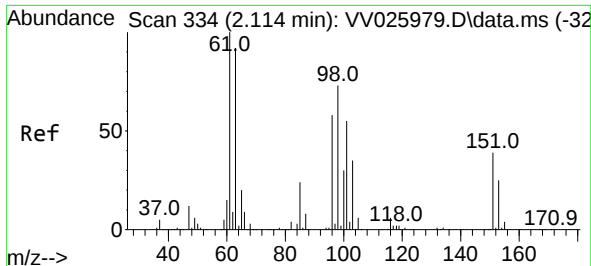
Tgt Ion: 64 Resp: 133838  
Ion Ratio Lower Upper  
64 100  
66 31.3 22.9 42.5



#9  
Trichlorofluoromethane  
Concen: 47.487 ug/L  
RT: 1.754 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

Tgt Ion:101 Resp: 287808  
Ion Ratio Lower Upper  
101 100  
103 65.2 51.5 77.3

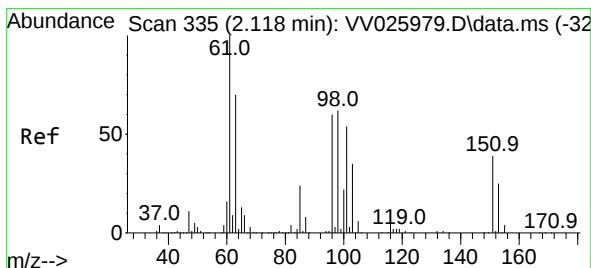
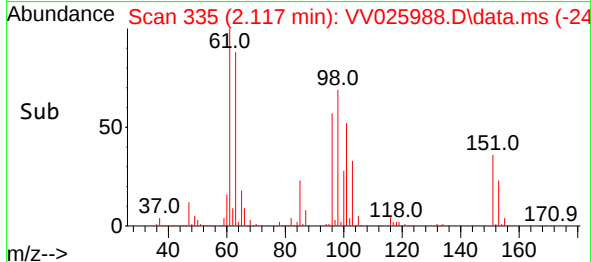
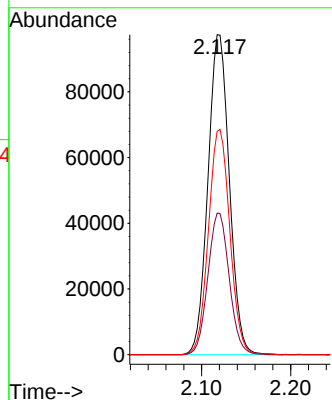
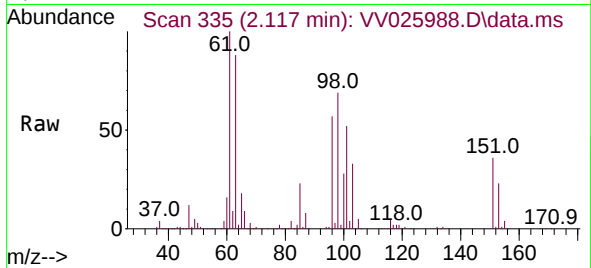




#10  
 1,1,2-Trichloro-1,2,2-trifluoroethane  
 Concen: 50.537 ug/L  
 RT: 2.117 min Scan# 335  
 Delta R.T. 0.003 min  
 Lab File: VV025988.D  
 Acq: 02 Jun 2022 16:46

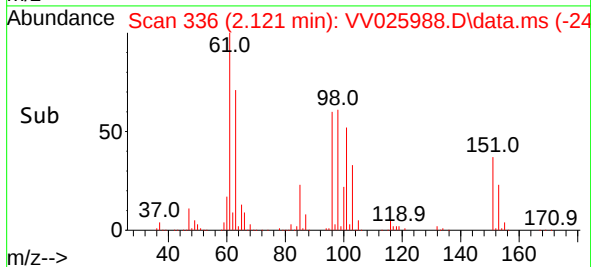
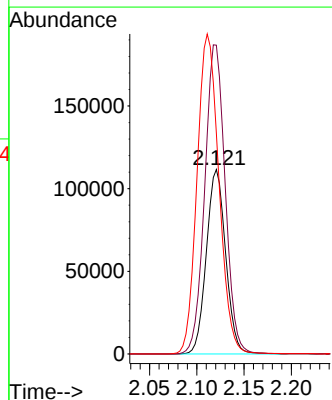
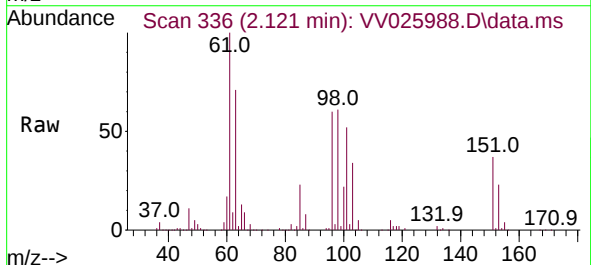
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBTZ0MS

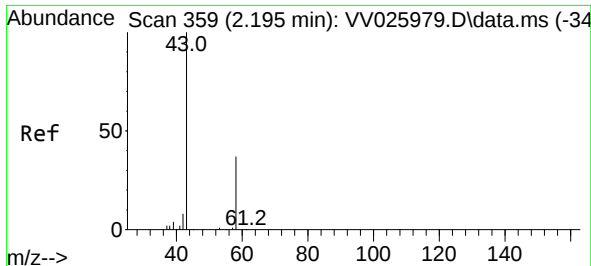
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 Ion Ratio Lower Upper  
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 85 44.0 34.6 51.8  
 151 70.3 54.3 81.5



#12  
 1,1-Dichloroethene  
 Concen: 50.037 ug/L  
 RT: 2.121 min Scan# 336  
 Delta R.T. 0.003 min  
 Lab File: VV025988.D  
 Acq: 02 Jun 2022 16:46

Tgt Ion: 96 Resp: 158473  
 Ion Ratio Lower Upper  
 96 100  
 61 167.4 124.6 231.4  
 63 119.7 101.6 188.6

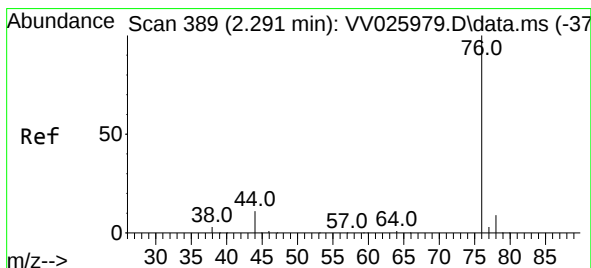
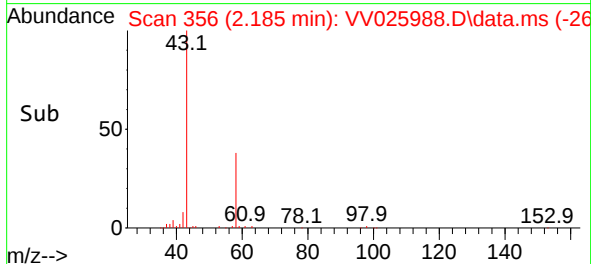
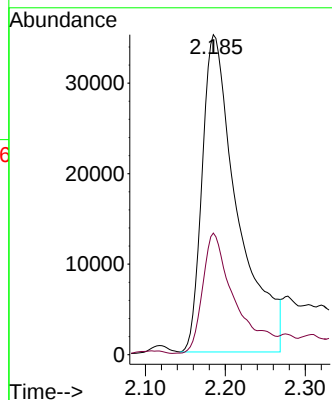
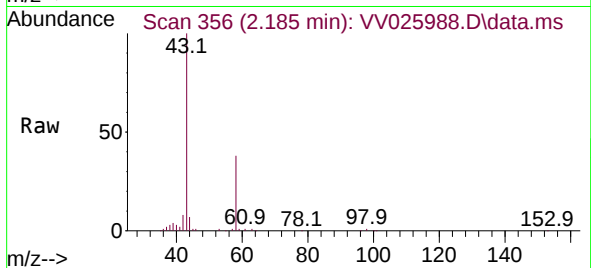




#13  
Acetone  
Concen: 85.199 ug/L  
RT: 2.185 min Scan# 31  
Delta R.T. -0.010 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

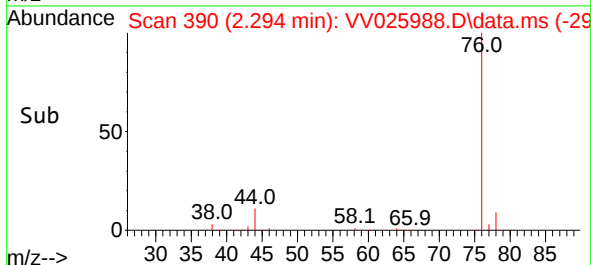
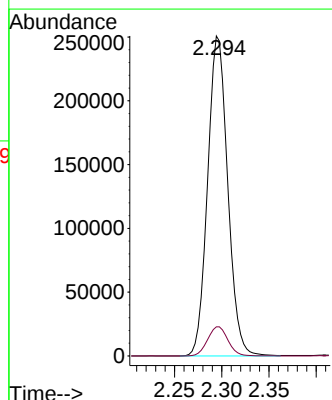
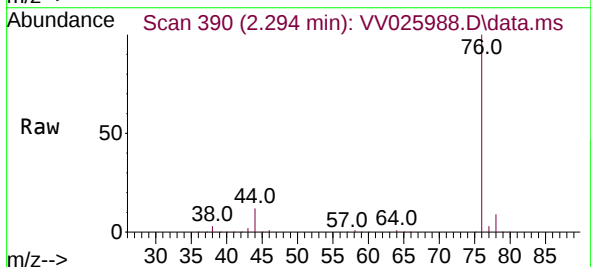
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBTZ0MS

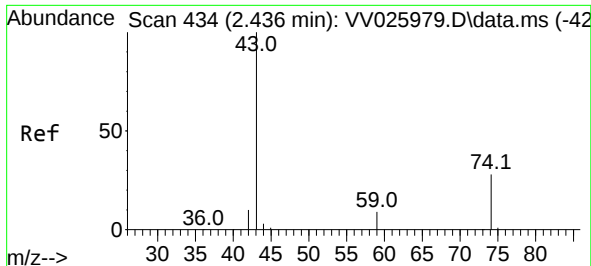
Tgt Ion: 43 Resp: 107894  
Ion Ratio Lower Upper  
43 100  
58 31.6 0.0 65.0



#14  
Carbon disulfide  
Concen: 47.354 ug/L  
RT: 2.294 min Scan# 390  
Delta R.T. 0.003 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

Tgt Ion: 76 Resp: 370966  
Ion Ratio Lower Upper  
76 100  
78 9.1 7.4 11.0

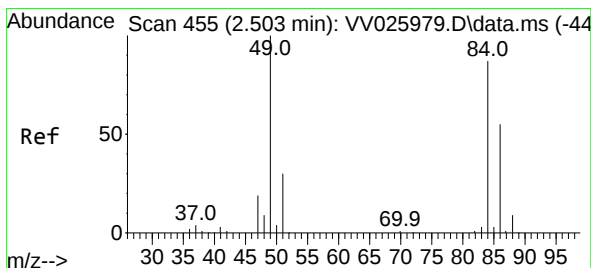
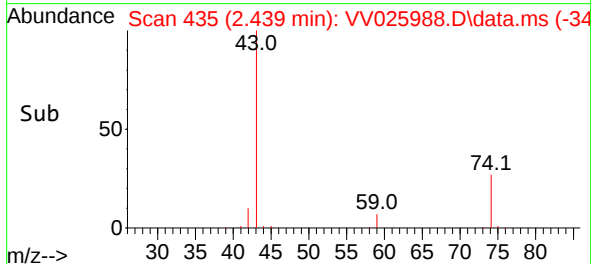
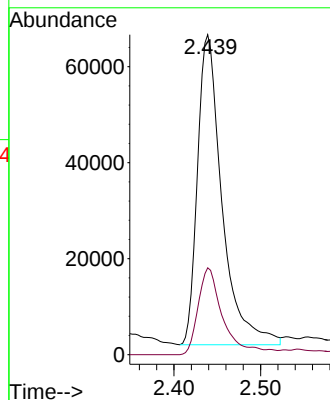
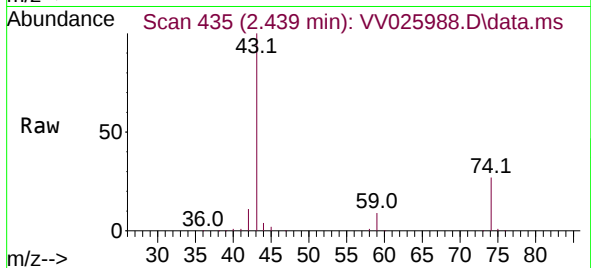




#15  
Methyl Acetate  
Concen: 46.962 ug/L  
RT: 2.439 min Scan# 41  
Delta R.T. 0.003 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

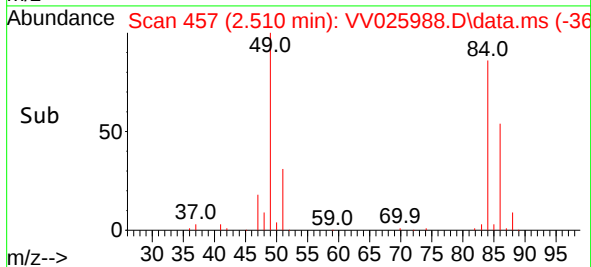
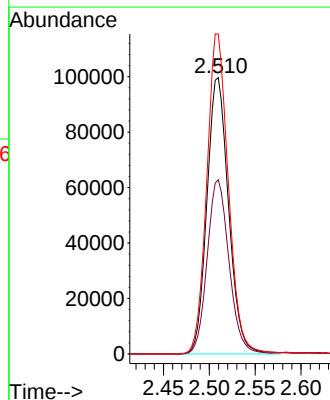
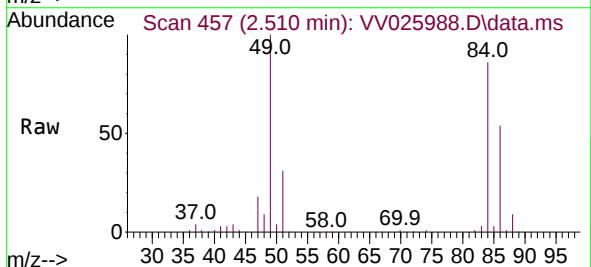
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBTZ0MS

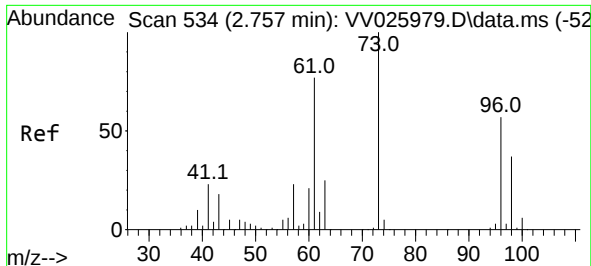
Tgt Ion: 43 Resp: 127414  
Ion Ratio Lower Upper  
43 100  
74 26.8 20.7 31.1



#16  
Methylene chloride  
Concen: 53.486 ug/L  
RT: 2.510 min Scan# 457  
Delta R.T. 0.006 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

Tgt Ion: 84 Resp: 164080  
Ion Ratio Lower Upper  
84 100  
86 63.0 44.2 82.0  
49 115.7 82.7 153.5





#17

trans-1,2-Dichloroethene

Concen: 52.484 ug/L

RT: 2.764 min Scan# 51

Delta R.T. 0.006 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Instrument :

MSVOA\_V

ClientSampleId :

DBTZ0MS

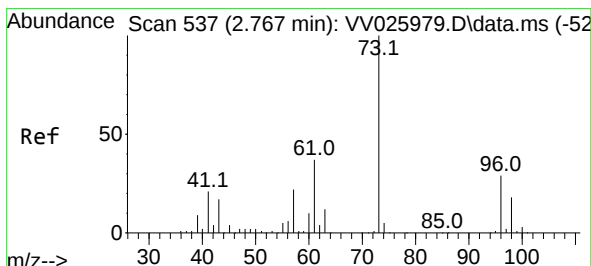
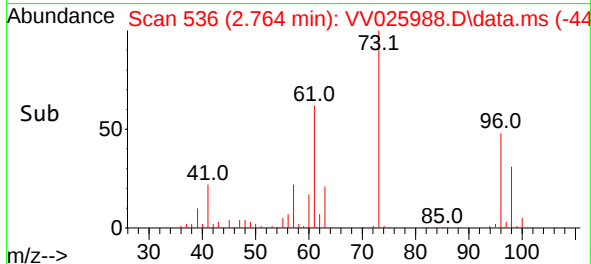
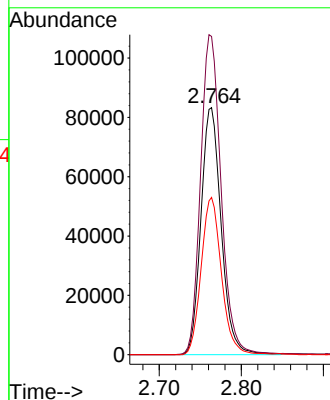
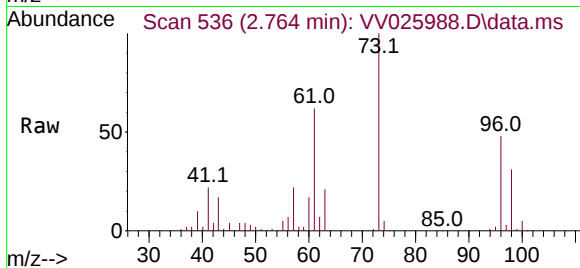
Tgt Ion: 96 Resp: 142810

Ion Ratio Lower Upper

96 100

61 128.8 92.7 172.1

98 63.7 43.1 80.1



#18

Methyl tert-butyl Ether

Concen: 56.861 ug/L

RT: 2.773 min Scan# 539

Delta R.T. 0.006 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

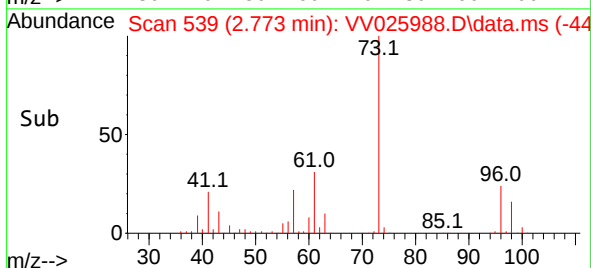
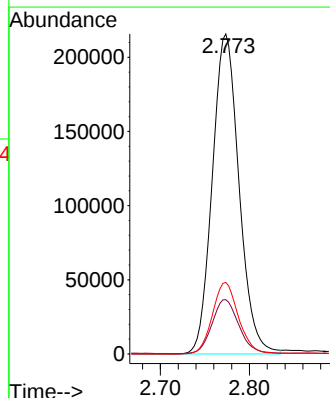
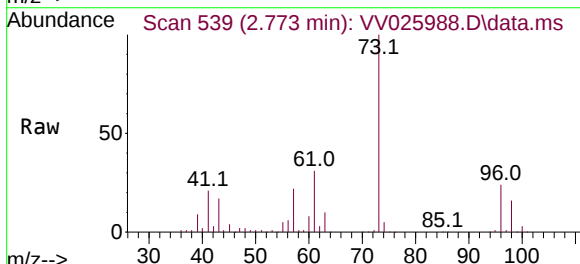
Tgt Ion: 73 Resp: 449982

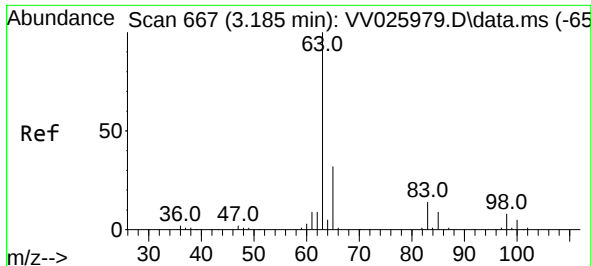
Ion Ratio Lower Upper

73 100

43 16.9 14.6 22.0

57 21.8 17.5 26.3





#19

1,1-Dichloroethane

Concen: 54.458 ug/L

RT: 3.191 min Scan# 6

Delta R.T. 0.006 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Instrument :

MSVOA\_V

ClientSampleId :

DBTZ0MS

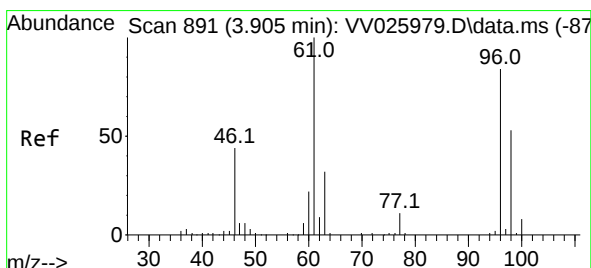
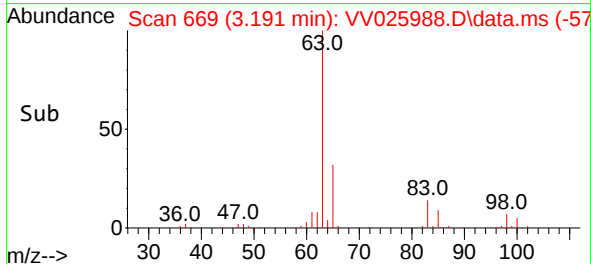
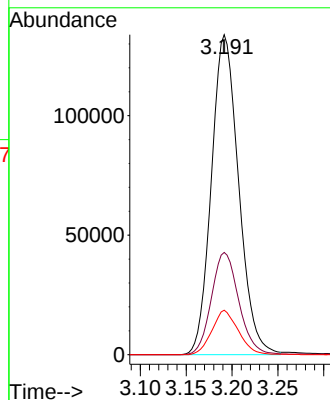
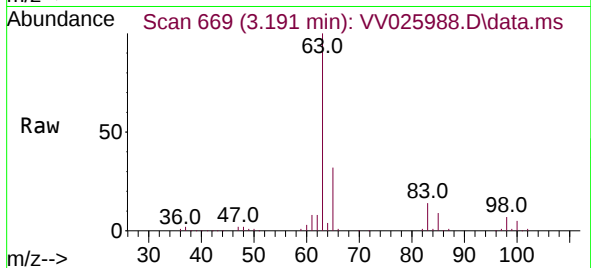
Tgt Ion: 63 Resp: 276773

Ion Ratio Lower Upper

63 100

65 31.9 22.0 40.8

83 13.9 9.2 17.0



#20

cis-1,2-Dichloroethene

Concen: 53.717 ug/L

RT: 3.915 min Scan# 894

Delta R.T. 0.010 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

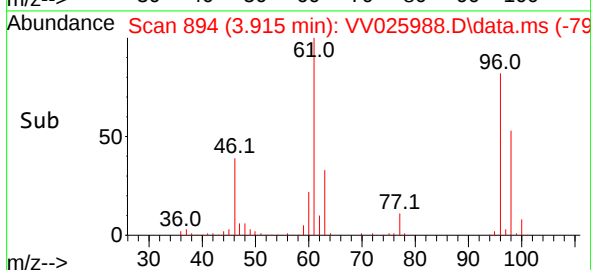
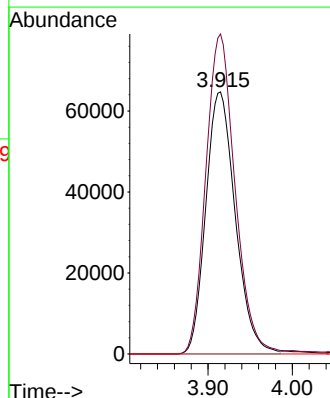
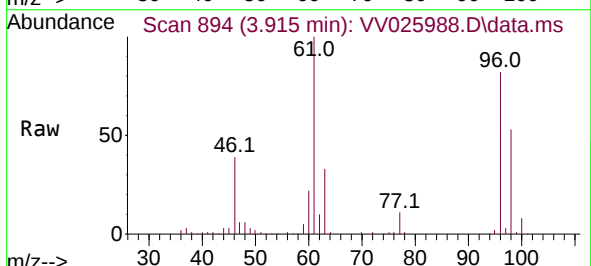
Tgt Ion: 96 Resp: 157772

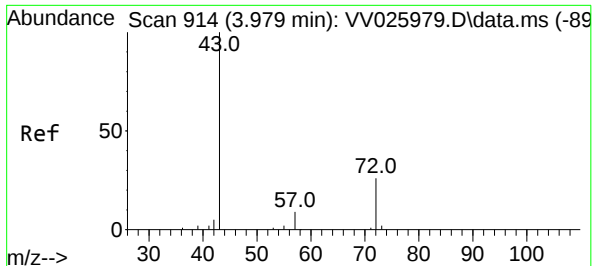
Ion Ratio Lower Upper

96 100

61 122.1 86.0 159.6

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 96.750 ug/L

RT: 3.979 min Scan# 914

Delta R.T. -0.000 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Instrument :

MSVOA\_V

ClientSampleId :

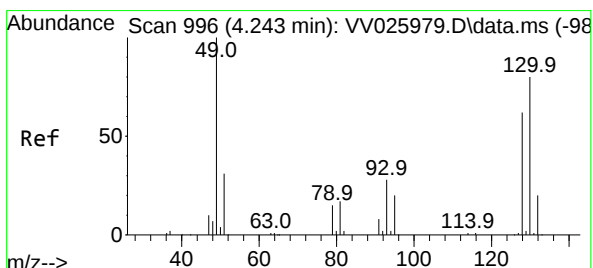
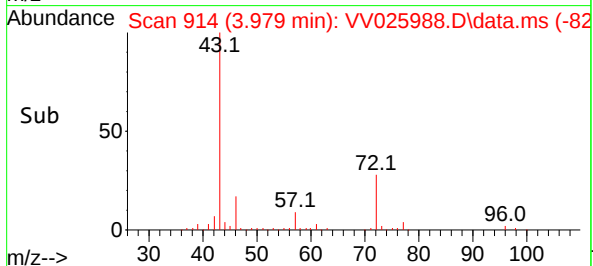
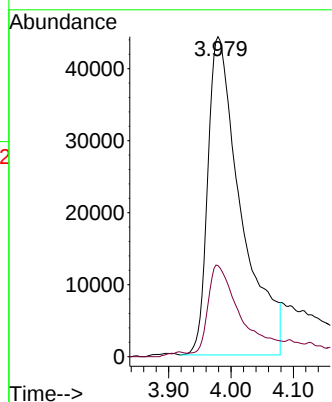
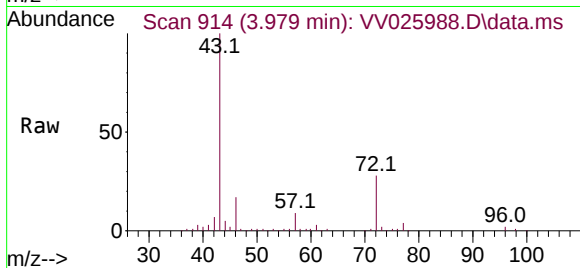
DBTZ0MS

Tgt Ion: 43 Resp: 163394

Ion Ratio Lower Upper

43 100

72 24.8 13.8 41.4



#23

Bromochloromethane

Concen: 54.755 ug/L

RT: 4.249 min Scan# 998

Delta R.T. 0.006 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Tgt Ion:128 Resp: 84946

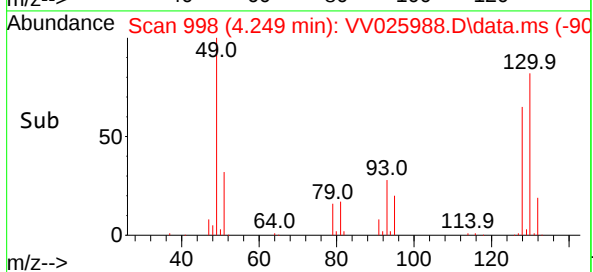
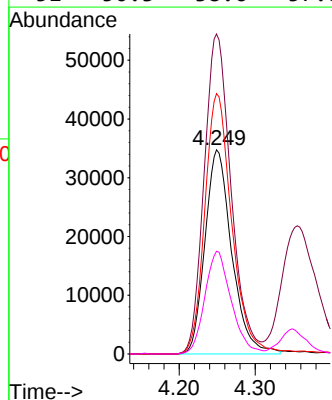
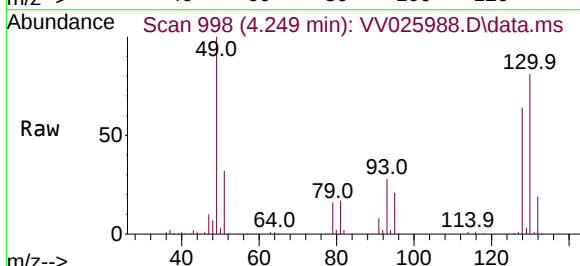
Ion Ratio Lower Upper

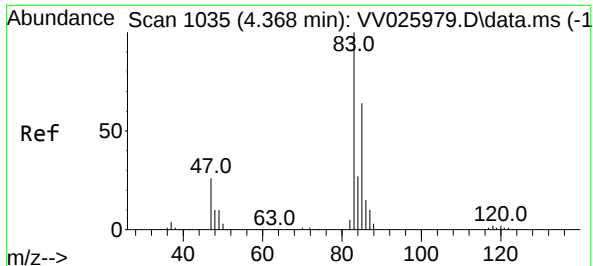
128 100

49 156.7 111.0 206.2

130 127.5 87.1 161.7

51 50.3 38.6 57.8





#25

Chloroform

Concen: 54.141 ug/L

RT: 4.378 min Scan# 1035

Delta R.T. 0.010 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Instrument :

MSVOA\_V

ClientSampleId :

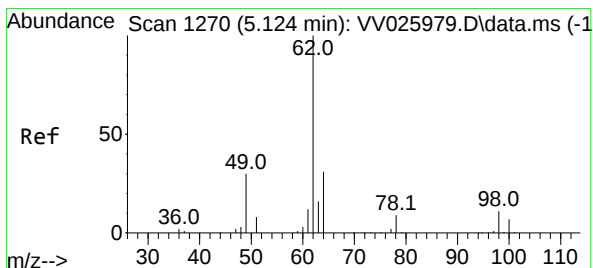
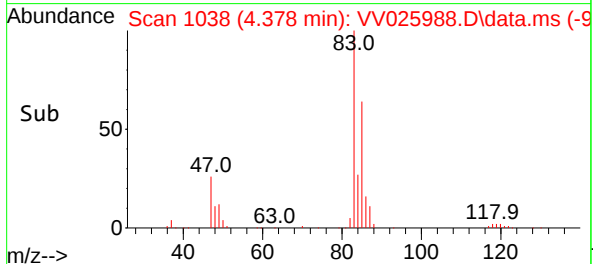
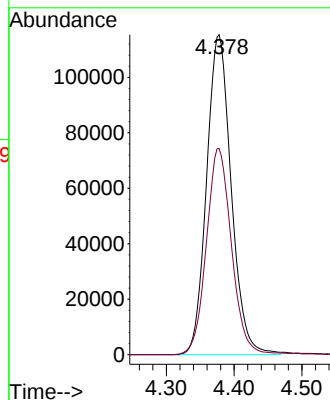
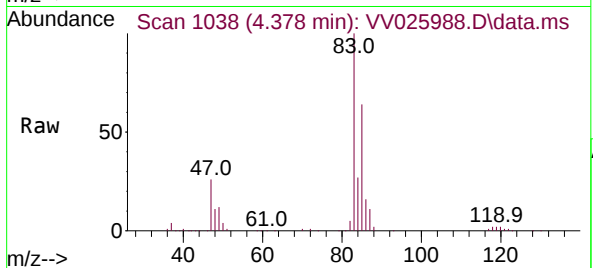
DBTZ0MS

Tgt Ion: 83 Resp: 291583

Ion Ratio Lower Upper

83 100

85 64.5 44.9 83.3



#27

1,2-Dichloroethane

Concen: 50.468 ug/L

RT: 5.130 min Scan# 1272

Delta R.T. 0.006 min

Lab File: VV025988.D

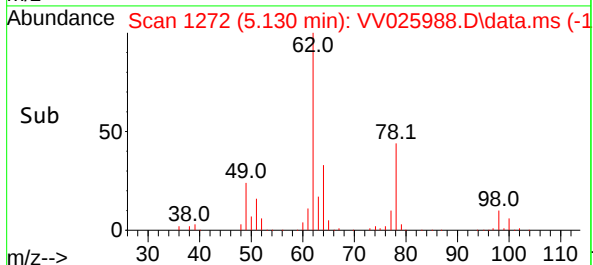
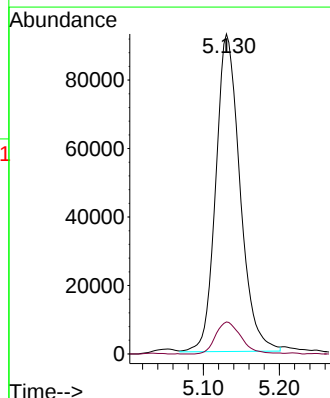
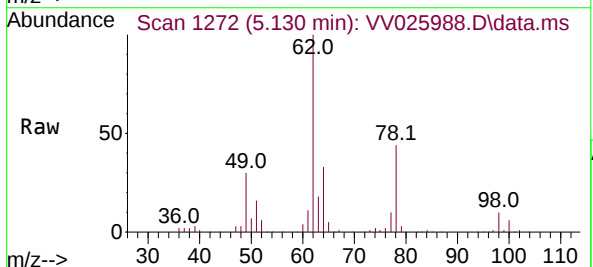
Acq: 02 Jun 2022 16:46

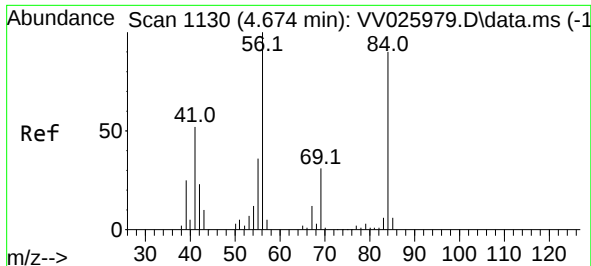
Tgt Ion: 62 Resp: 205497

Ion Ratio Lower Upper

62 100

98 10.0 7.7 11.5





#29

Cyclohexane

Concen: 53.415 ug/L

RT: 4.680 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Instrument :

MSVOA\_V

ClientSampleId :

DBTZ0MS

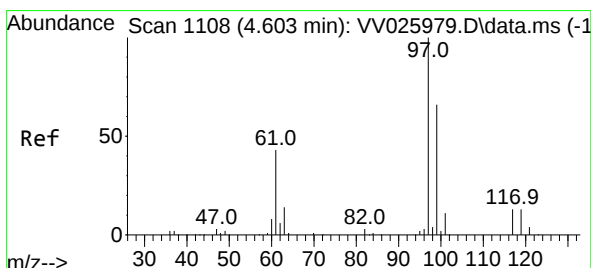
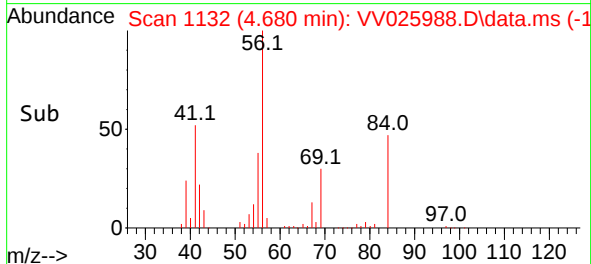
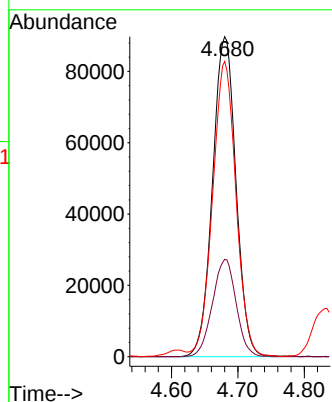
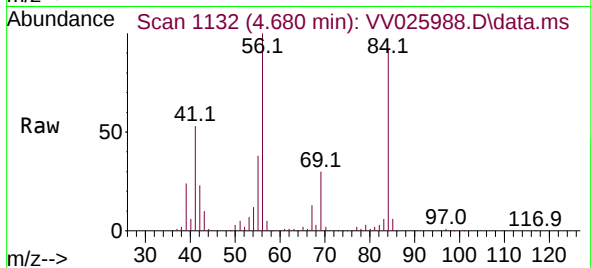
Tgt Ion: 56 Resp: 220238

Ion Ratio Lower Upper

56 100

69 30.7 24.8 37.2

84 92.2 73.8 110.8



#30

1,1,1-Trichloroethane

Concen: 53.851 ug/L

RT: 4.609 min Scan# 1110

Delta R.T. 0.006 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

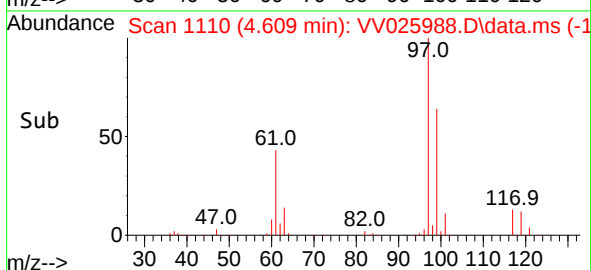
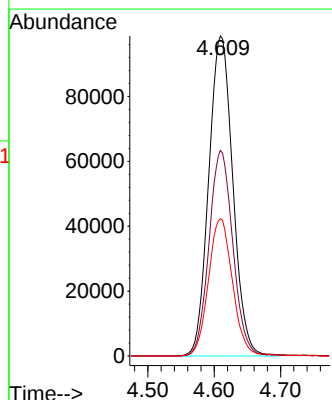
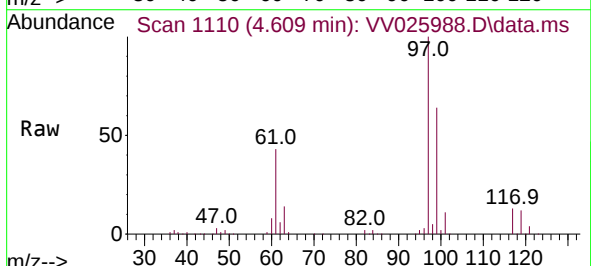
Tgt Ion: 97 Resp: 249081

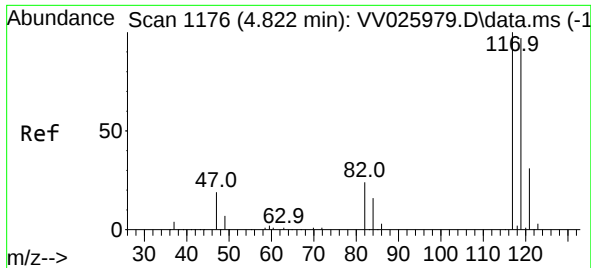
Ion Ratio Lower Upper

97 100

99 63.3 52.6 78.8

61 42.8 35.6 53.4

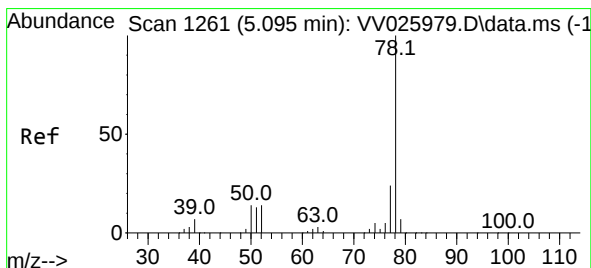
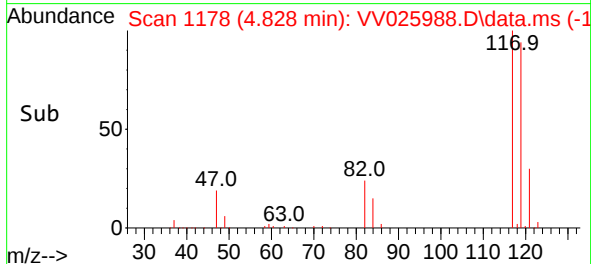
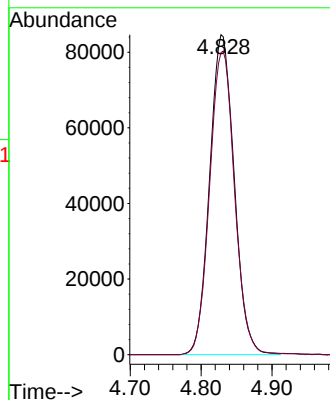
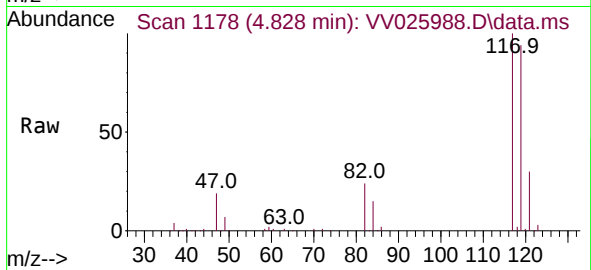




#31  
Carbon tetrachloride  
Concen: 52.440 ug/L  
RT: 4.828 min Scan# 1176  
Delta R.T. 0.006 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

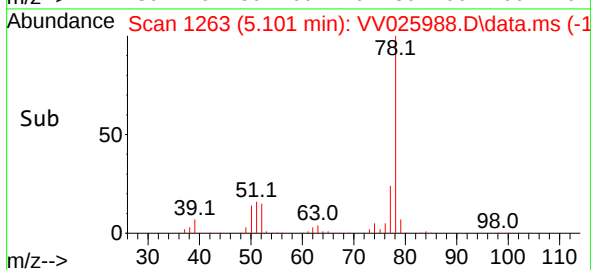
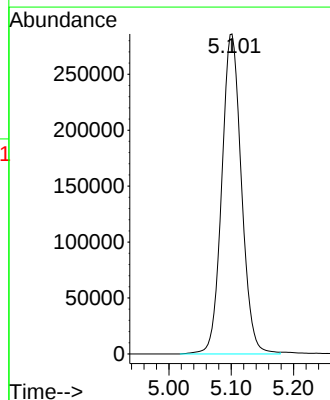
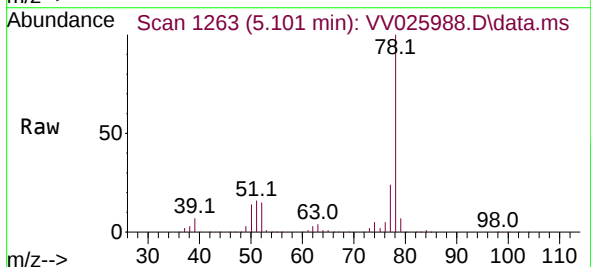
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBTZ0MS

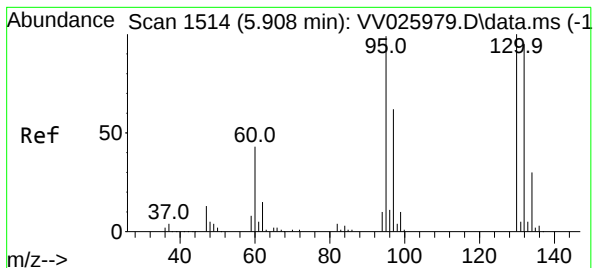
Tgt Ion:117 Resp: 203636  
Ion Ratio Lower Upper  
117 100  
119 96.1 76.9 115.3



#33  
Benzene  
Concen: 54.705 ug/L  
RT: 5.101 min Scan# 1263  
Delta R.T. 0.006 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

Tgt Ion: 78 Resp: 627330





#34

Trichloroethene

Concen: 52.002 ug/L

RT: 5.915 min Scan# 1

Delta R.T. 0.006 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Instrument :

MSVOA\_V

ClientSampleId :

DBTZ0MS

Tgt Ion: 95 Resp: 155974

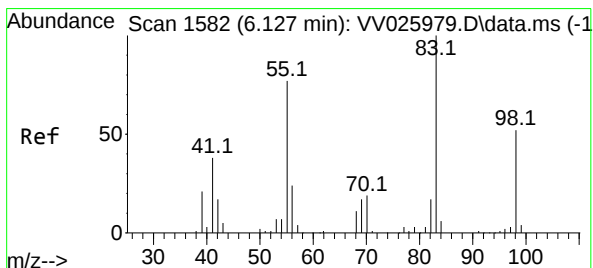
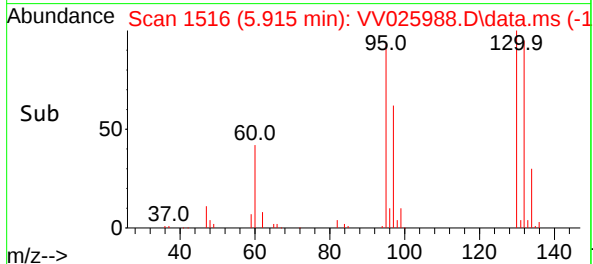
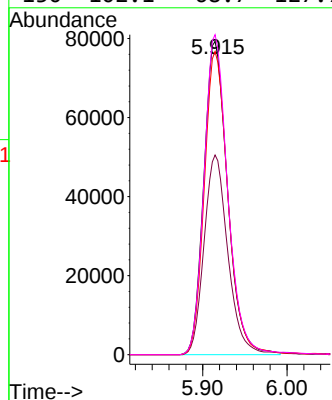
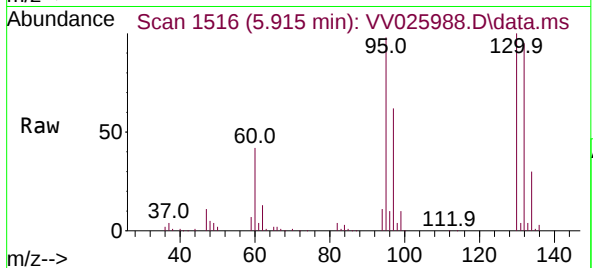
Ion Ratio Lower Upper

95 100

97 63.7 44.2 82.0

132 96.8 67.7 125.7

130 102.1 68.7 127.7



#35

Methylcyclohexane

Concen: 54.515 ug/L

RT: 6.130 min Scan# 1583

Delta R.T. 0.003 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

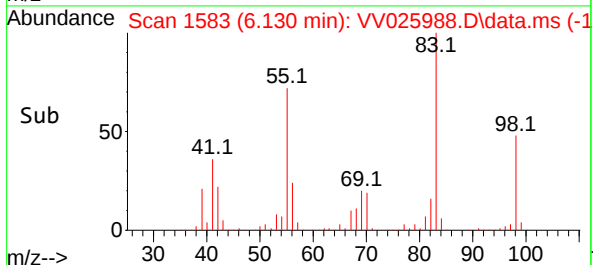
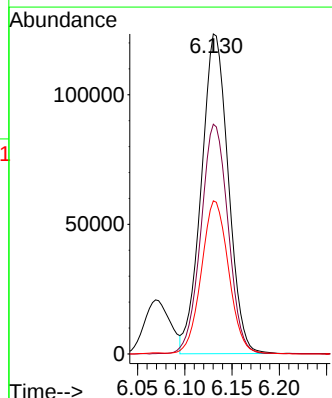
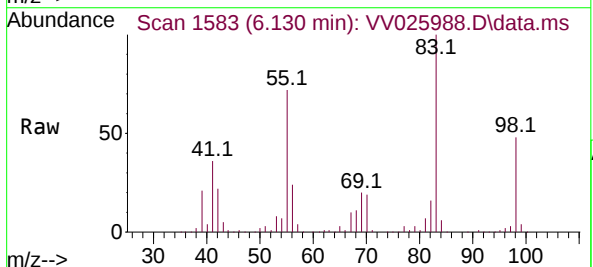
Tgt Ion: 83 Resp: 244892

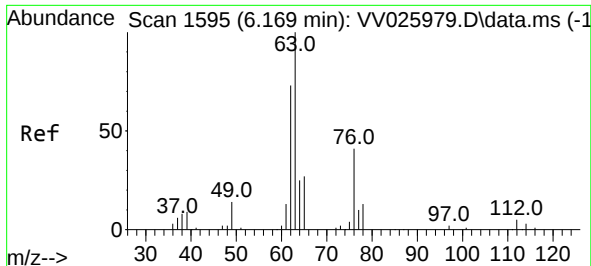
Ion Ratio Lower Upper

83 100

55 72.6 58.6 87.8

98 48.3 39.1 58.7





#37

1,2-Dichloropropane

Concen: 58.406 ug/L

RT: 6.172 min Scan# 1

Delta R.T. 0.003 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Instrument :

MSVOA\_V

ClientSampleId :

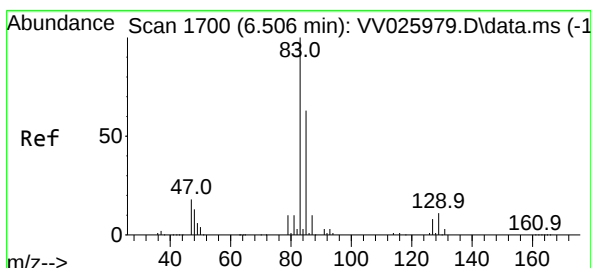
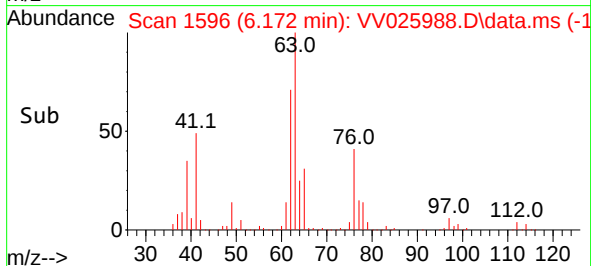
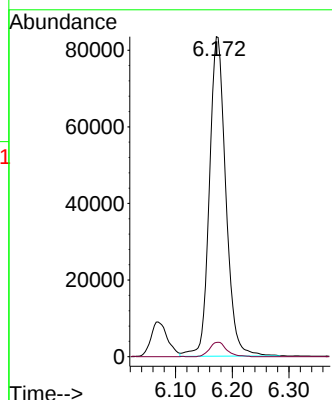
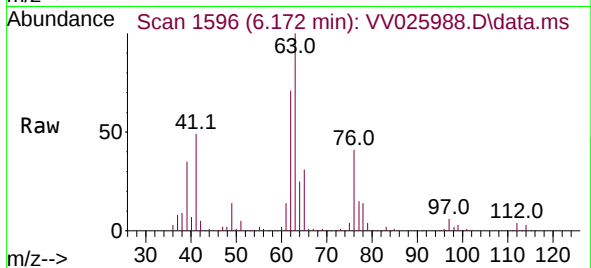
DBTZ0MS

Tgt Ion: 63 Resp: 168250

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



#38

Bromodichloromethane

Concen: 55.068 ug/L

RT: 6.510 min Scan# 1701

Delta R.T. 0.003 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

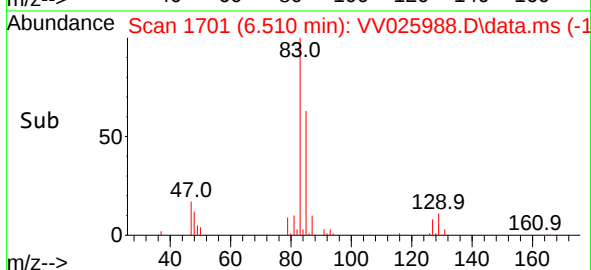
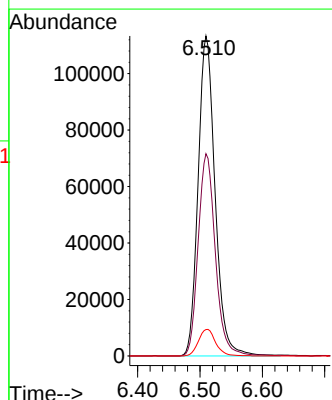
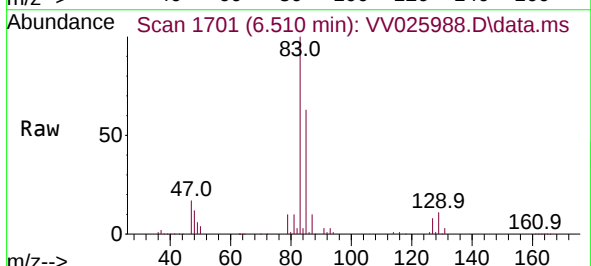
Tgt Ion: 83 Resp: 214521

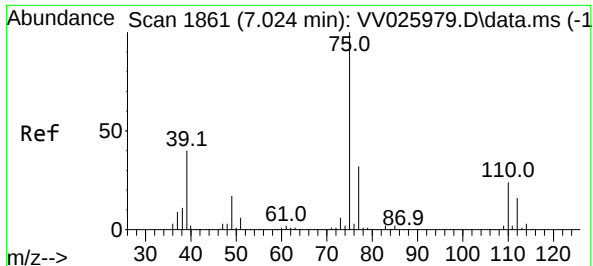
Ion Ratio Lower Upper

83 100

85 63.2 46.0 85.4

127 8.2 7.3 10.9





#39

cis-1,3-Dichloropropene

Concen: 55.993 ug/L

RT: 7.027 min Scan# 1862

Delta R.T. 0.003 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Instrument :

MSVOA\_V

ClientSampleId :

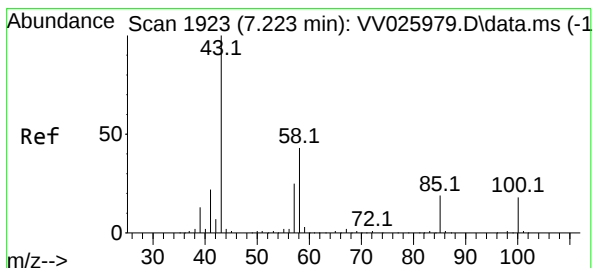
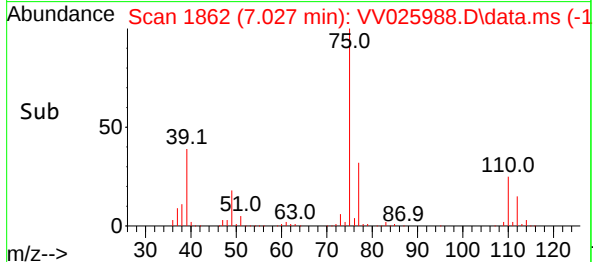
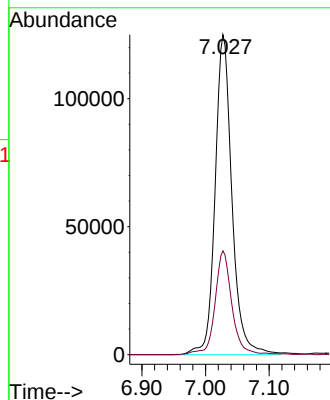
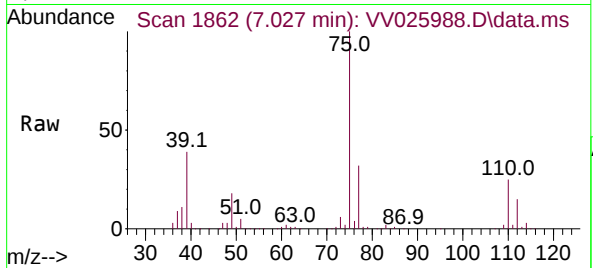
DBTZ0MS

Tgt Ion: 75 Resp: 230017

Ion Ratio Lower Upper

75 100

77 32.5 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 122.396 ug/L

RT: 7.227 min Scan# 1924

Delta R.T. 0.003 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

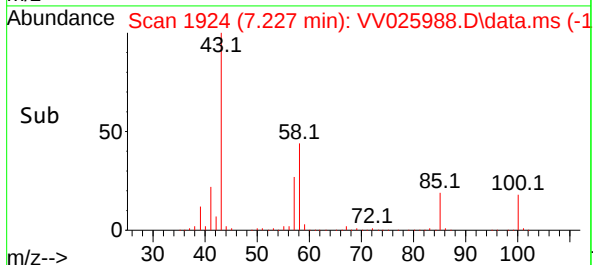
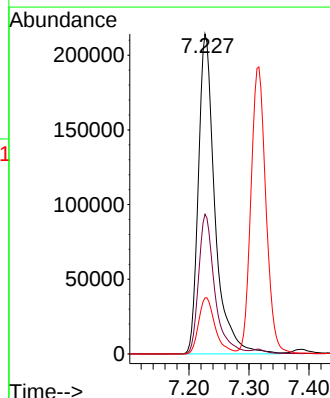
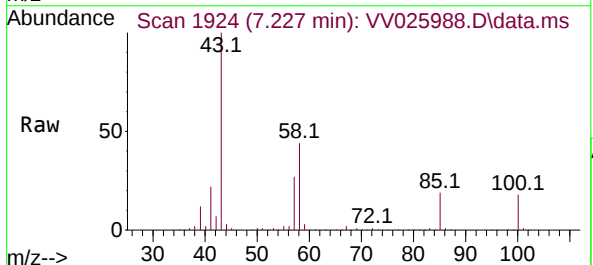
Tgt Ion: 43 Resp: 412143

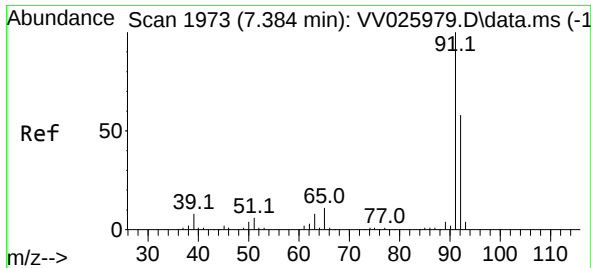
Ion Ratio Lower Upper

43 100

58 42.6 32.9 49.3

100 17.6 13.7 20.5





#42

Toluene

Concen: 55.480 ug/L

RT: 7.387 min Scan# 1973

Delta R.T. 0.003 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Instrument :

MSVOA\_V

ClientSampleId :

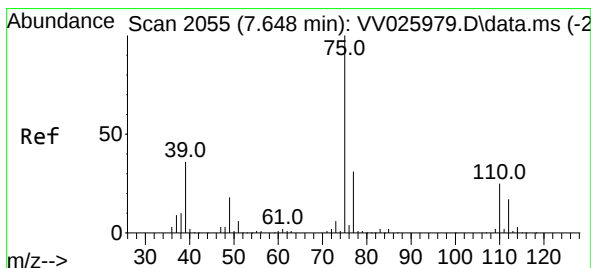
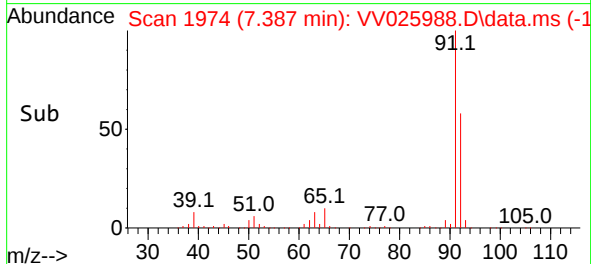
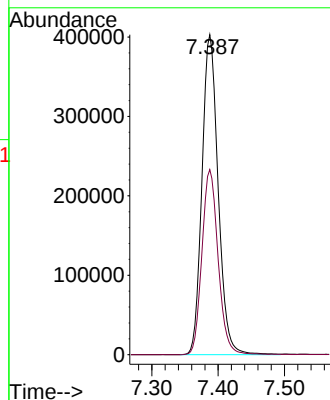
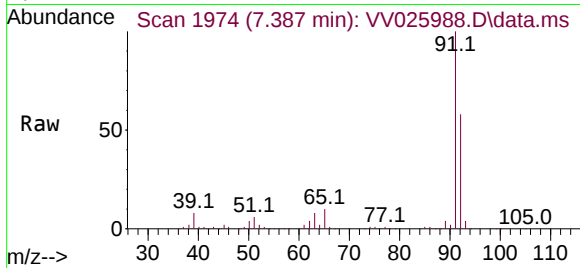
DBTZ0MS

Tgt Ion: 91 Resp: 682508

Ion Ratio Lower Upper

91 100

92 57.9 40.5 75.3



#44

trans-1,3-Dichloropropene

Concen: 55.174 ug/L

RT: 7.651 min Scan# 2056

Delta R.T. 0.003 min

Lab File: VV025988.D

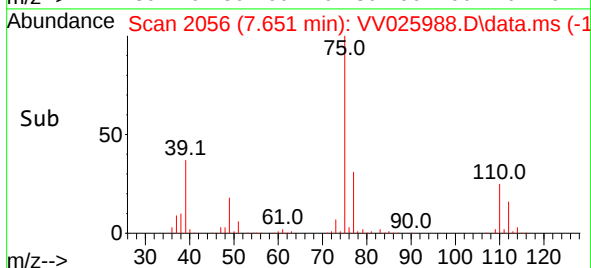
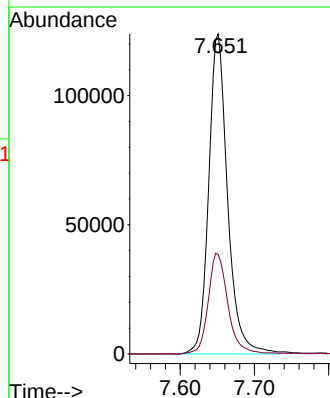
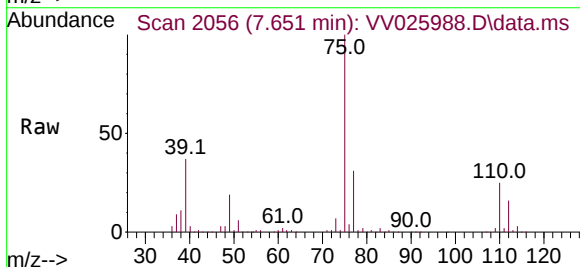
Acq: 02 Jun 2022 16:46

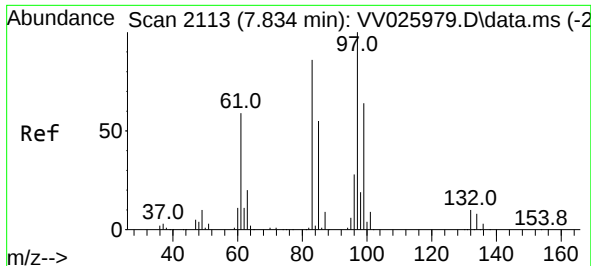
Tgt Ion: 75 Resp: 218054

Ion Ratio Lower Upper

75 100

77 31.2 21.8 40.4



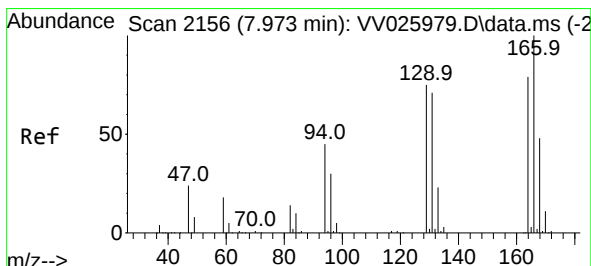
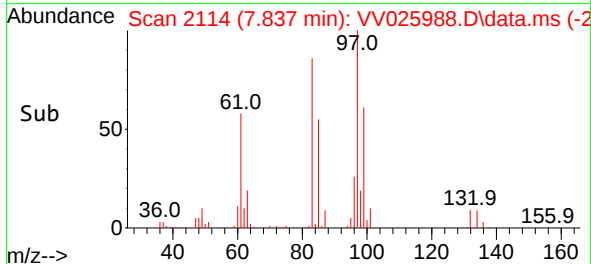
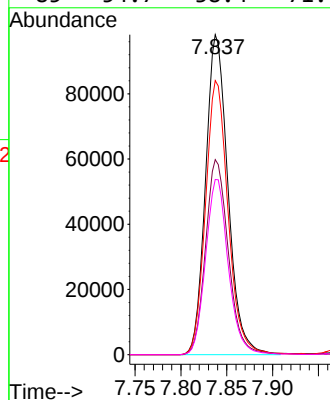
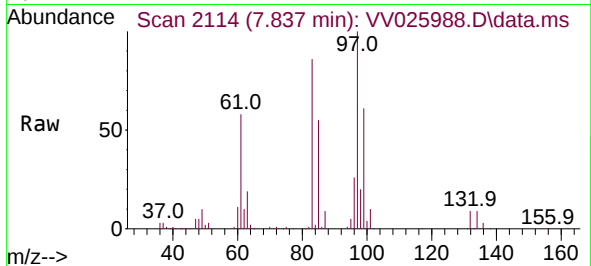


#45  
1,1,2-Trichloroethane  
Concen: 57.040 ug/L  
RT: 7.837 min Scan# 2113  
Delta R.T. 0.003 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBTZ0MS

Tgt Ion: 97 Resp: 166956

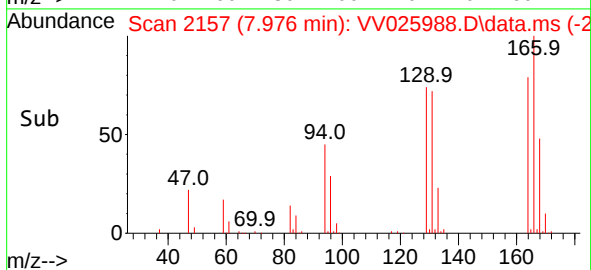
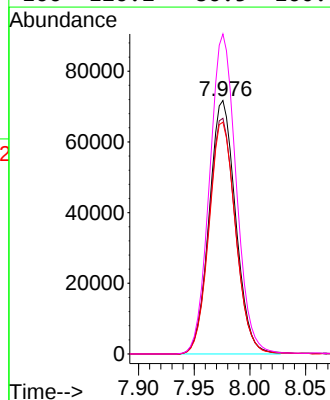
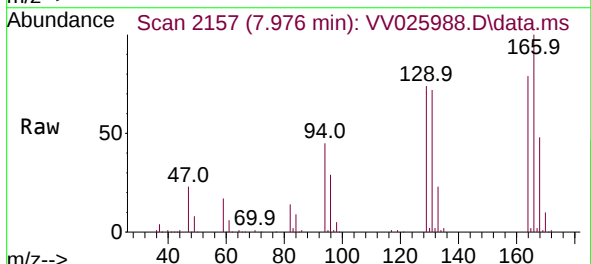
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 97  | 100   |       |       |
| 99  | 61.0  | 42.6  | 79.0  |
| 83  | 85.7  | 59.7  | 110.9 |
| 85  | 54.7  | 38.4  | 71.4  |

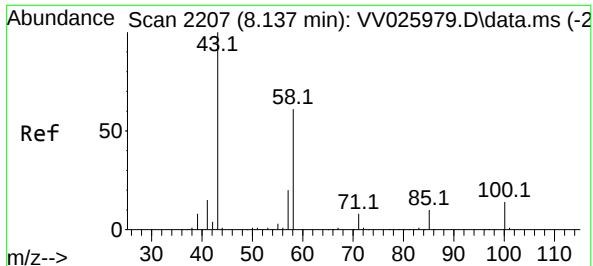


#46  
Tetrachloroethene  
Concen: 53.473 ug/L  
RT: 7.976 min Scan# 2157  
Delta R.T. 0.003 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

Tgt Ion: 164 Resp: 118309

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 164 | 100   |       |       |
| 129 | 93.0  | 66.8  | 124.2 |
| 131 | 91.5  | 66.7  | 123.9 |
| 166 | 126.2 | 86.5  | 160.7 |



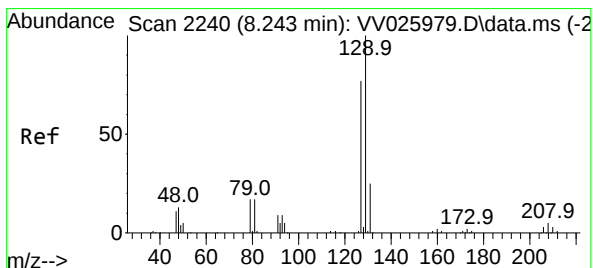
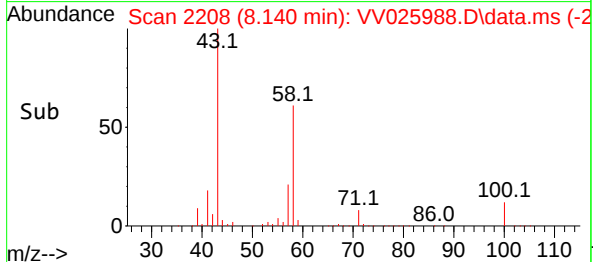
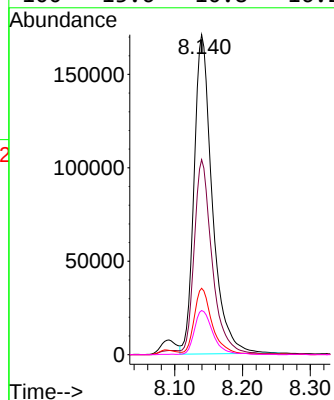
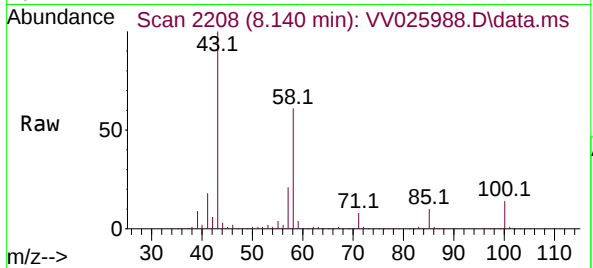


#48  
2-Hexanone  
Concen: 122.049 ug/L  
RT: 8.140 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

Instrument :  
MSVOA\_V  
ClientSampleId :  
DBTZ0MS

Tgt Ion: 43 Resp: 319768

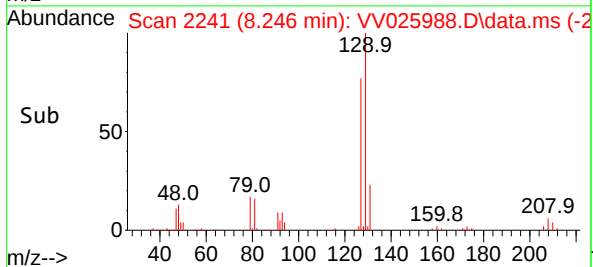
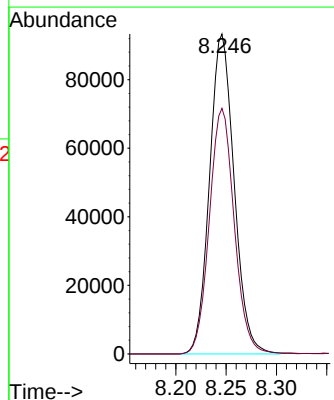
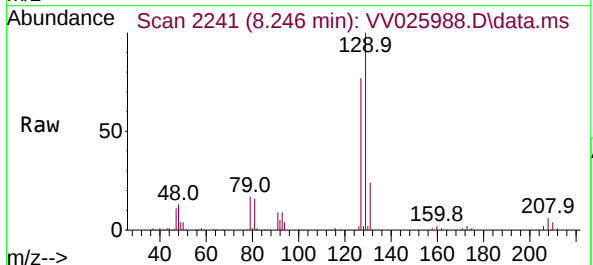
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 59.6  | 45.9  | 68.9  |
| 57  | 20.3  | 15.4  | 23.2  |
| 100 | 13.6  | 10.8  | 16.2  |

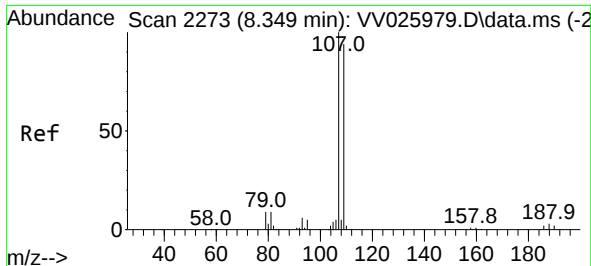


#49  
Dibromochloromethane  
Concen: 54.995 ug/L  
RT: 8.246 min Scan# 2241  
Delta R.T. 0.003 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

Tgt Ion: 129 Resp: 158779

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 129 | 100   |       |       |
| 127 | 76.8  | 53.5  | 99.5  |





#50

1,2-Dibromoethane

Concen: 57.188 ug/L

RT: 8.352 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Instrument :

MSVOA\_V

ClientSampleId :

DBTZ0MS

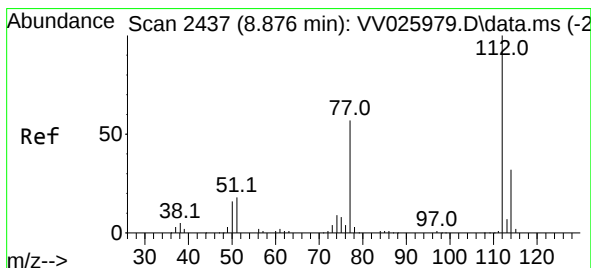
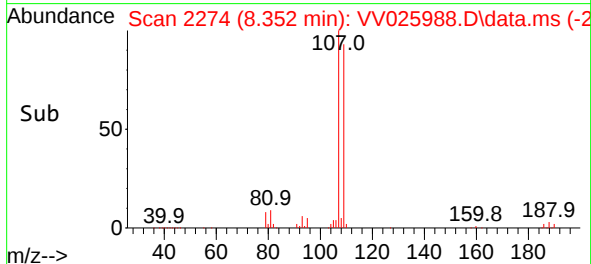
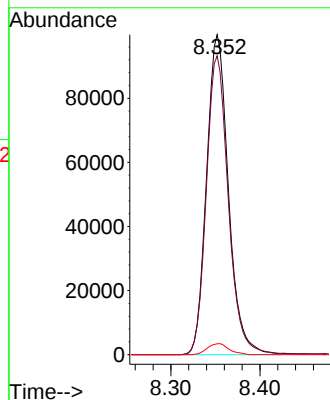
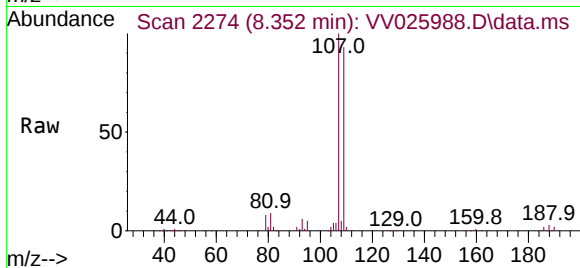
Tgt Ion:107 Resp: 170223

Ion Ratio Lower Upper

107 100

109 93.4 64.1 119.1

188 3.4 2.6 3.8



#51

Chlorobenzene

Concen: 54.042 ug/L

RT: 8.879 min Scan# 2438

Delta R.T. 0.003 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

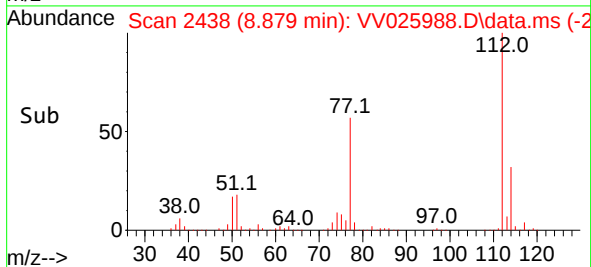
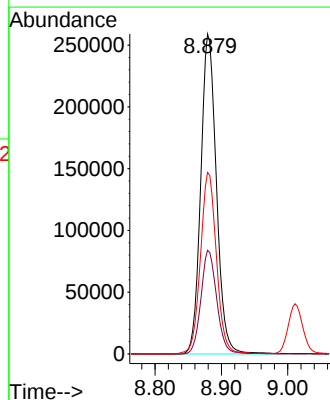
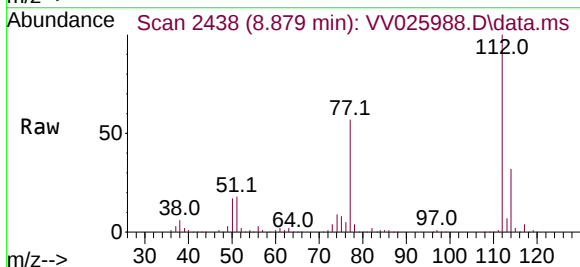
Tgt Ion:112 Resp: 425721

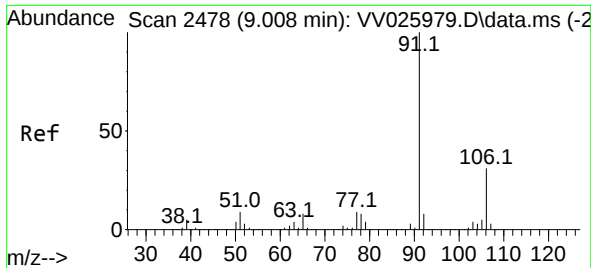
Ion Ratio Lower Upper

112 100

114 32.4 22.0 40.8

77 56.7 45.3 67.9

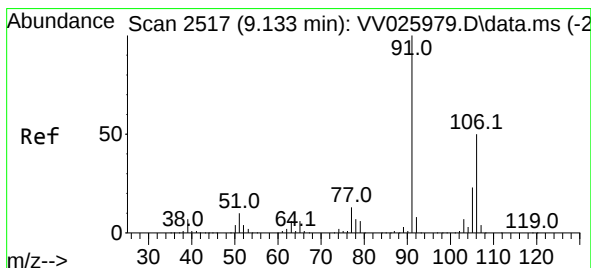
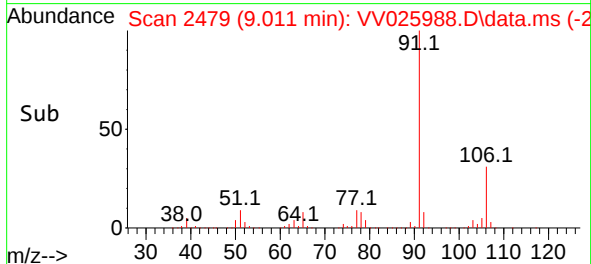
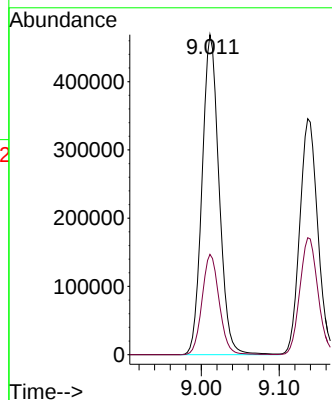
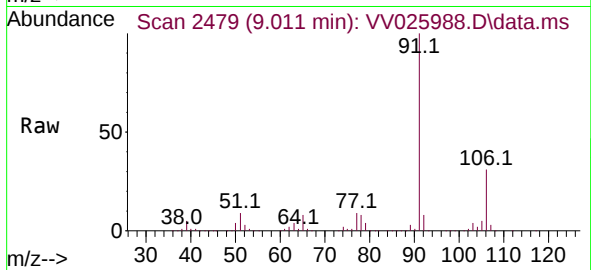




#52  
Ethylbenzene  
Concen: 55.961 ug/L  
RT: 9.011 min Scan# 2478  
Delta R.T. 0.003 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

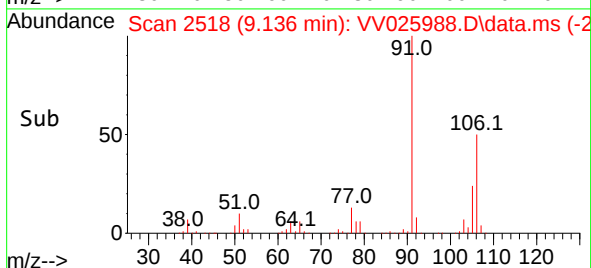
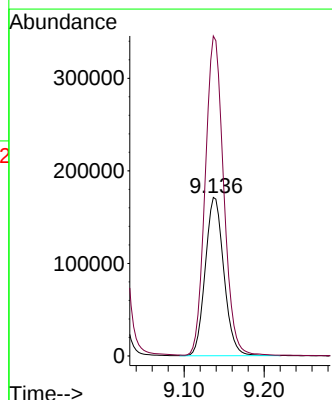
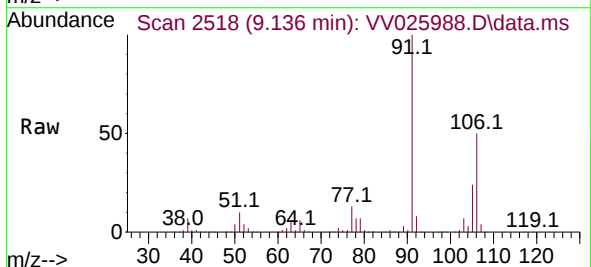
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBTZ0MS

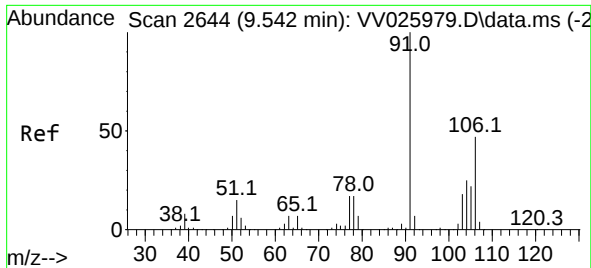
Tgt Ion: 91 Resp: 710250  
Ion Ratio Lower Upper  
91 100  
106 31.4 21.8 40.6



#53  
m,p-Xylene  
Concen: 56.301 ug/L  
RT: 9.136 min Scan# 2518  
Delta R.T. 0.003 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

Tgt Ion: 106 Resp: 277162  
Ion Ratio Lower Upper  
106 100  
91 201.9 142.0 263.6

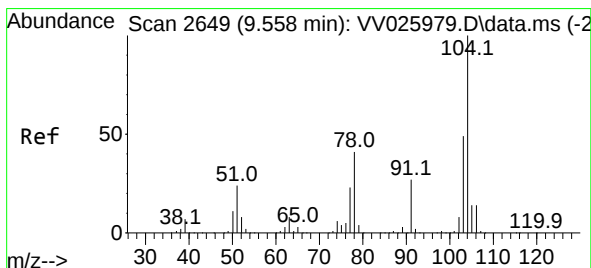
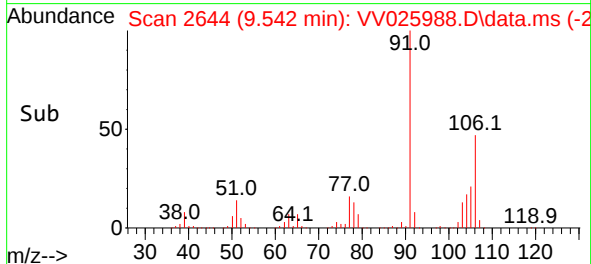
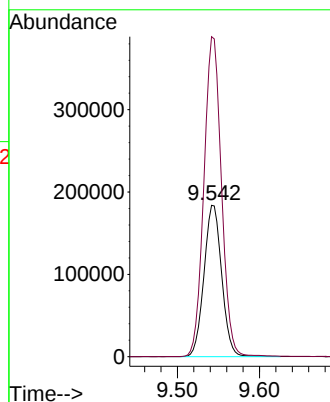
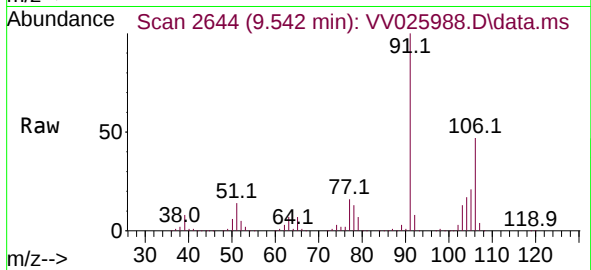




#54  
o-Xylene  
Concen: 57.220 ug/L  
RT: 9.542 min Scan# 2644  
Delta R.T. -0.000 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

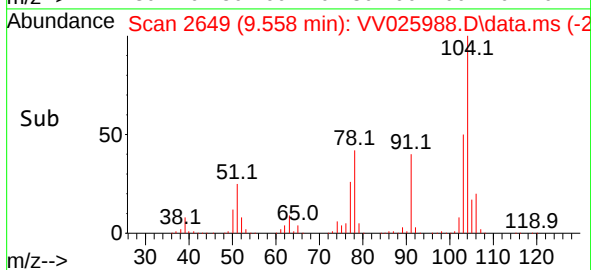
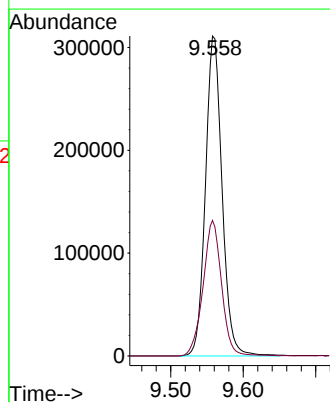
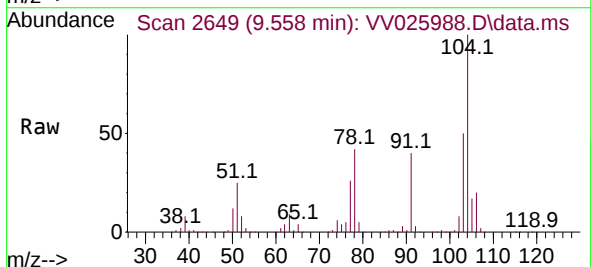
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBTZ0MS

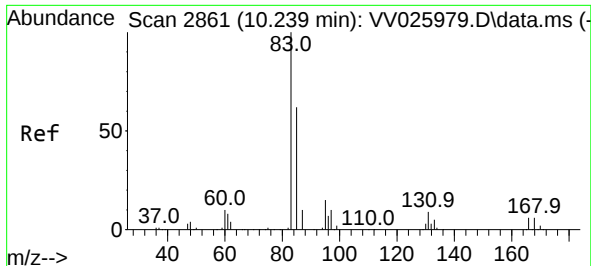
Tgt Ion:106 Resp: 276704  
Ion Ratio Lower Upper  
106 100  
91 211.4 147.4 273.8



#55  
Styrene  
Concen: 58.935 ug/L  
RT: 9.558 min Scan# 2649  
Delta R.T. -0.000 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

Tgt Ion:104 Resp: 496593  
Ion Ratio Lower Upper  
104 100  
78 42.4 29.8 55.3





#57

1,1,2,2-Tetrachloroethane

Concen: 60.257 ug/L

RT: 10.239 min Scan# 2861

Delta R.T. -0.000 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Instrument :

MSVOA\_V

ClientSampleId :

DBTZ0MS

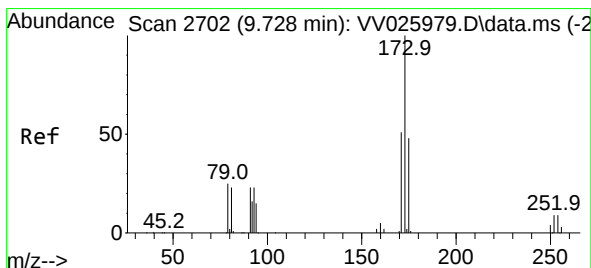
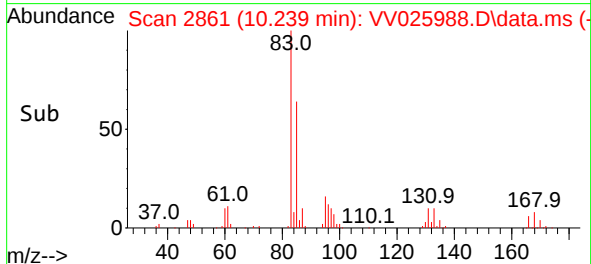
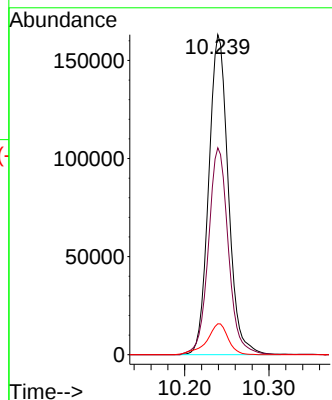
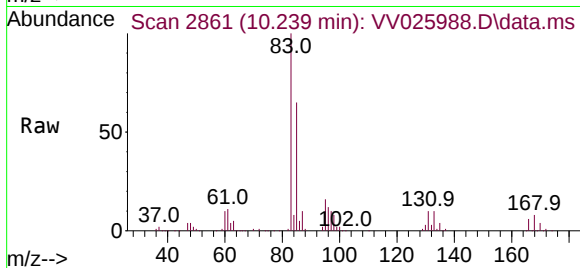
Tgt Ion: 83 Resp: 263154

Ion Ratio Lower Upper

83 100

85 64.6 44.7 82.9

131 9.6 7.5 11.3



#59

Bromoform

Concen: 53.195 ug/L

RT: 9.731 min Scan# 2703

Delta R.T. 0.003 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

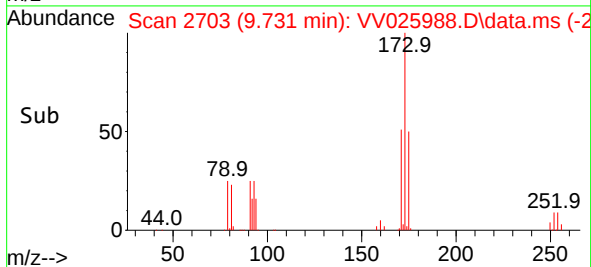
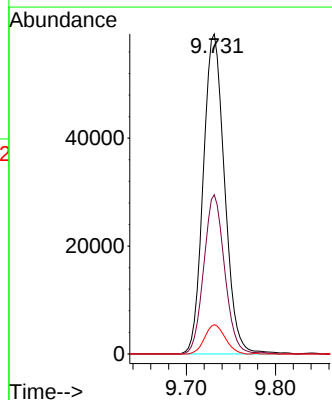
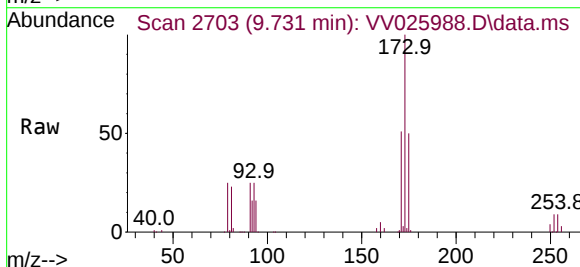
Tgt Ion: 173 Resp: 98618

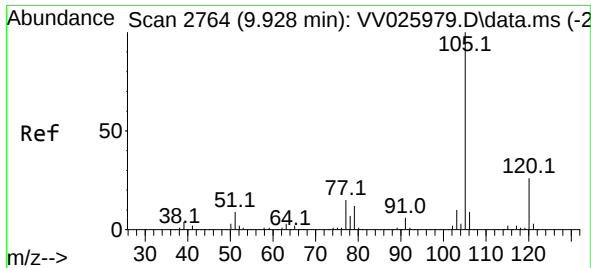
Ion Ratio Lower Upper

173 100

175 48.5 38.1 57.1

254 8.8 7.0 10.6

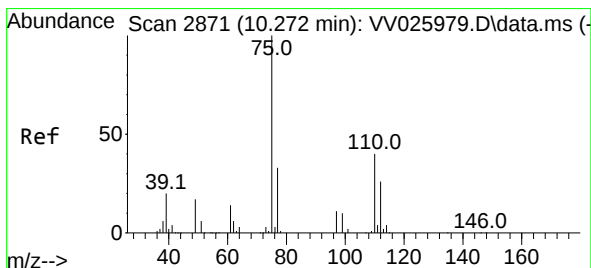
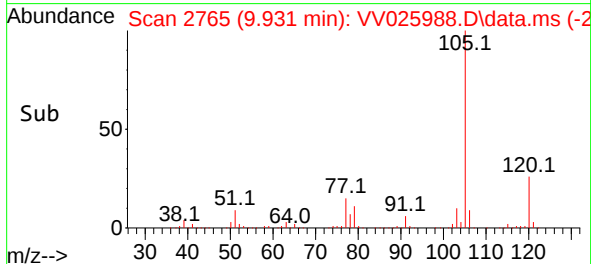
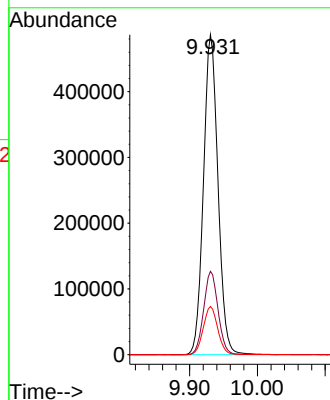
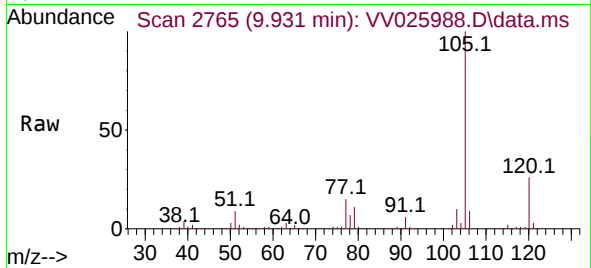




#60  
Isopropylbenzene  
Concen: 56.107 ug/L  
RT: 9.931 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

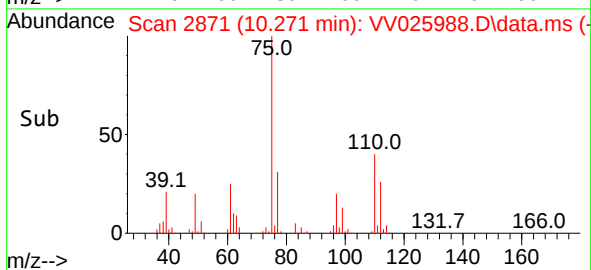
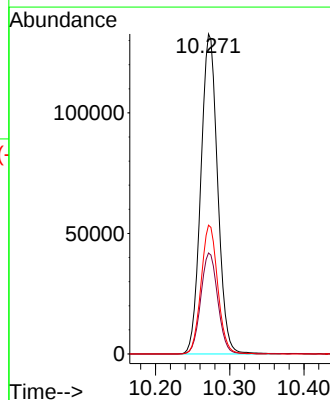
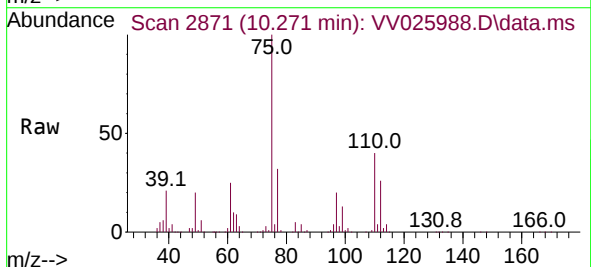
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBTZ0MS

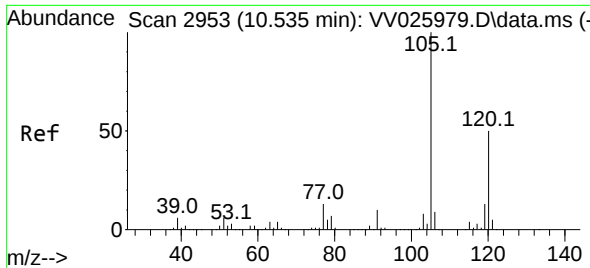
Tgt Ion:105 Resp: 722264  
Ion Ratio Lower Upper  
105 100  
120 25.9 21.0 31.6  
77 15.1 12.3 18.5



#61  
1,2,3-Trichloropropane  
Concen: 54.803 ug/L  
RT: 10.271 min Scan# 2871  
Delta R.T. -0.000 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

Tgt Ion: 75 Resp: 208465  
Ion Ratio Lower Upper  
75 100  
77 31.9 25.3 37.9  
110 39.9 32.3 48.5

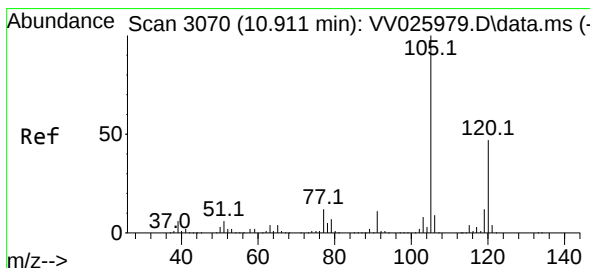
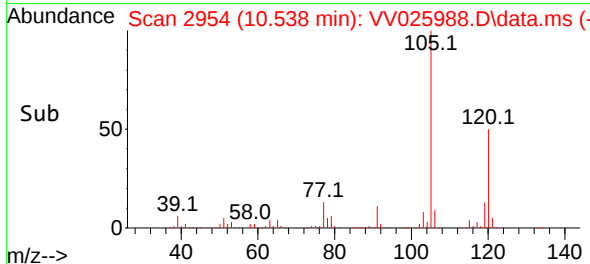
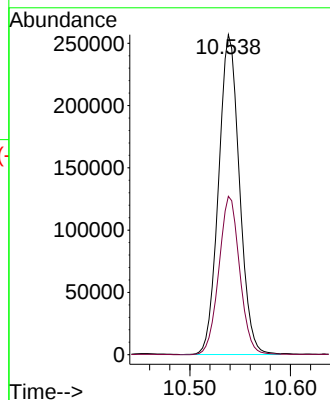
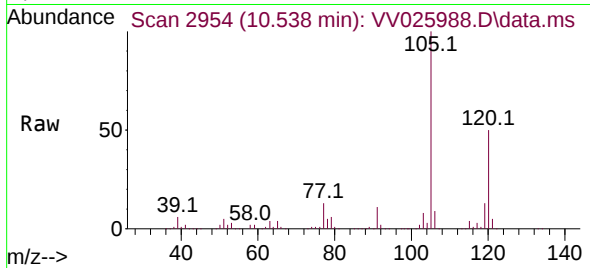




#62  
1,3,5-Trimethylbenzene  
Concen: 55.748 ug/L  
RT: 10.538 min Scan# 2953  
Delta R.T. 0.003 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

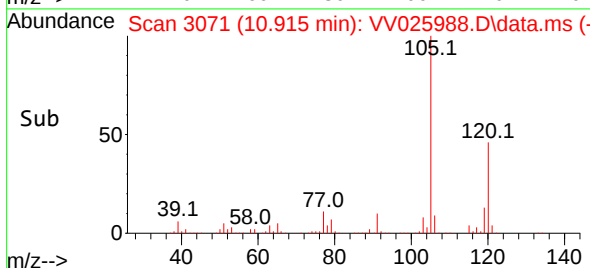
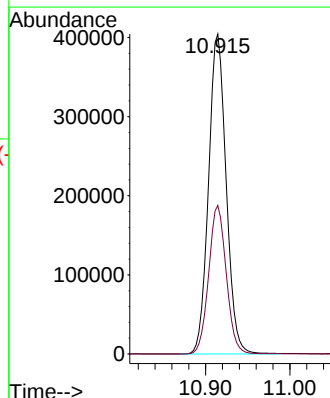
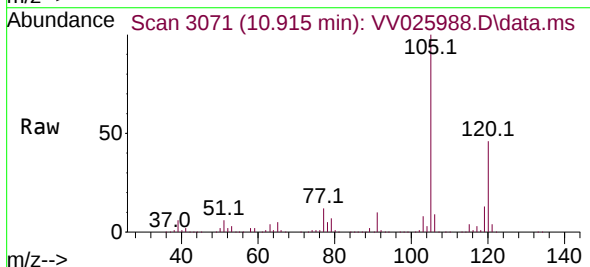
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBTZ0MS

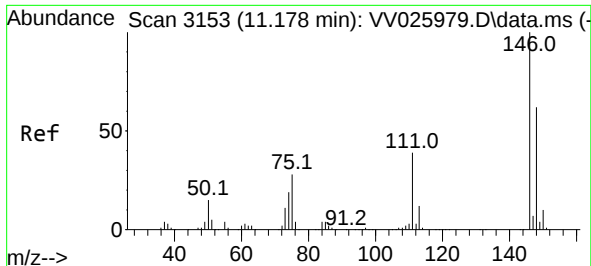
Tgt Ion:105 Resp: 369908  
Ion Ratio Lower Upper  
105 100  
120 49.6 39.4 59.2



#63  
1,2,4-Trimethylbenzene  
Concen: 57.159 ug/L  
RT: 10.915 min Scan# 3071  
Delta R.T. 0.003 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

Tgt Ion:105 Resp: 588450  
Ion Ratio Lower Upper  
105 100  
120 46.4 36.6 55.0

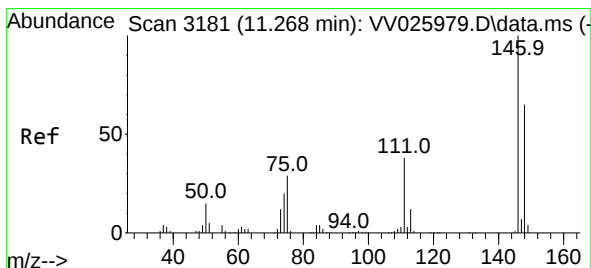
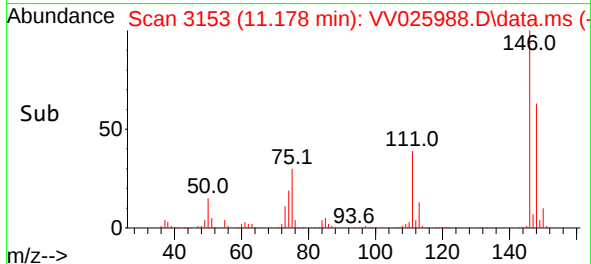
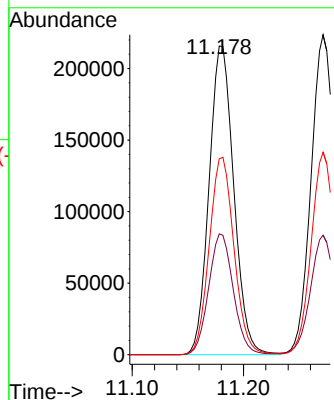
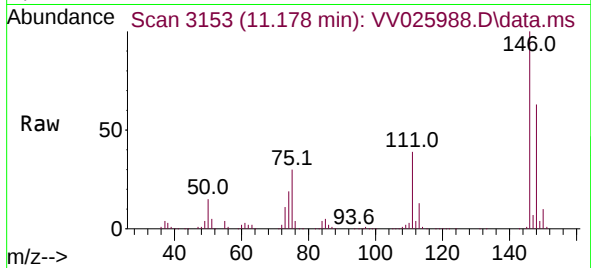




#64  
 1,3-Dichlorobenzene  
 Concen: 54.656 ug/L  
 RT: 11.178 min Scan# 3153  
 Delta R.T. -0.000 min  
 Lab File: VV025988.D  
 Acq: 02 Jun 2022 16:46

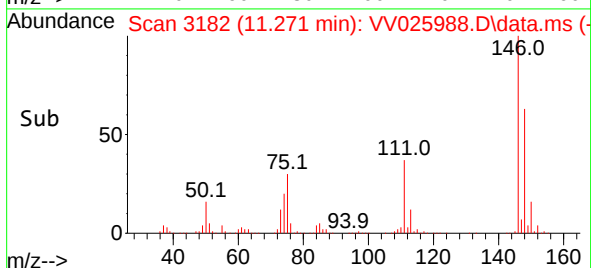
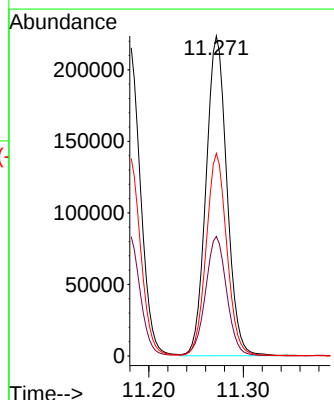
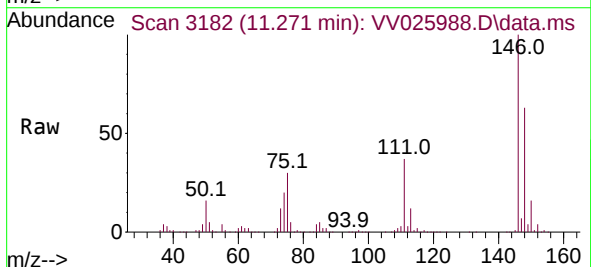
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DBTZ0MS

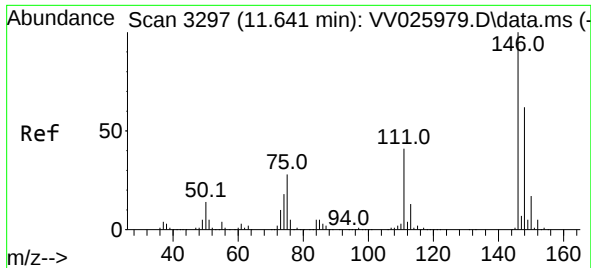
Tgt Ion:146 Resp: 333042  
 Ion Ratio Lower Upper  
 146 100  
 111 39.1 28.1 52.1  
 148 63.5 44.0 81.8



#65  
 1,4-Dichlorobenzene  
 Concen: 53.640 ug/L  
 RT: 11.271 min Scan# 3182  
 Delta R.T. 0.003 min  
 Lab File: VV025988.D  
 Acq: 02 Jun 2022 16:46

Tgt Ion:146 Resp: 342532  
 Ion Ratio Lower Upper  
 146 100  
 111 37.4 26.7 49.7  
 148 63.3 44.2 82.2

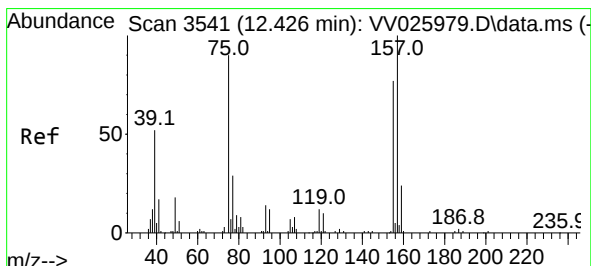
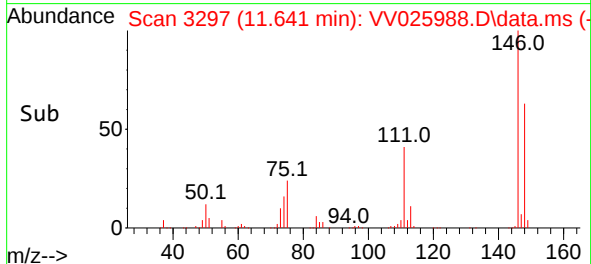
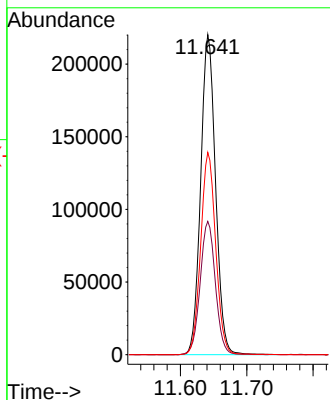
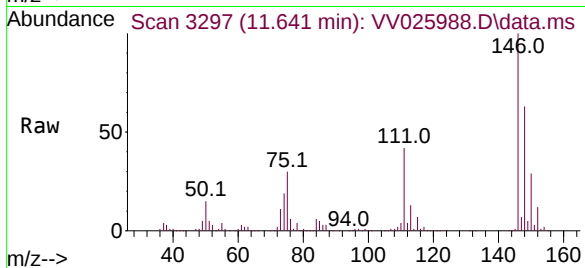




#67  
1,2-Dichlorobenzene  
Concen: 54.438 ug/L  
RT: 11.641 min Scan# 3297  
Delta R.T. -0.000 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

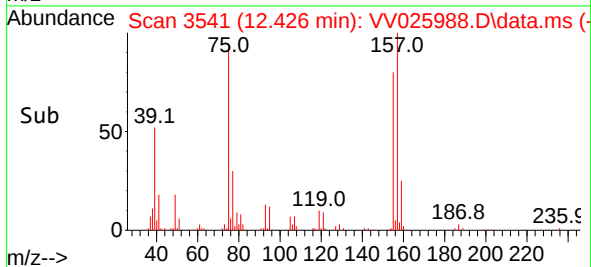
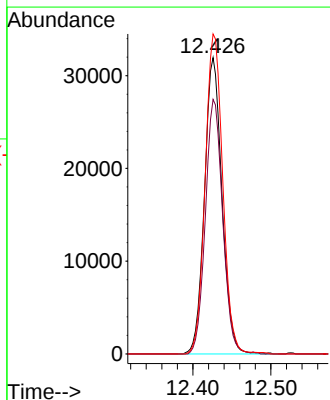
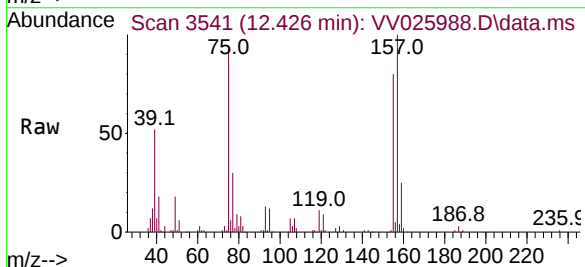
Instrument :  
MSVOA\_V  
ClientSampleId :  
DBTZ0MS

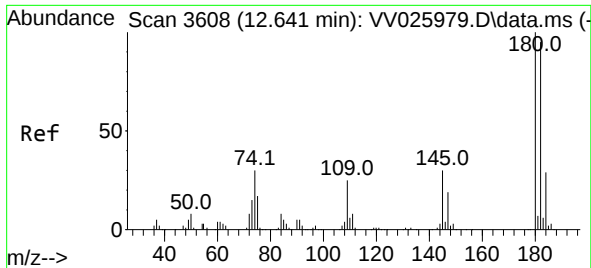
Tgt Ion:146 Resp: 343102  
Ion Ratio Lower Upper  
146 100  
111 41.7 33.7 50.5  
148 63.2 51.4 77.2



#68  
1,2-Dibromo-3-chloropropane  
Concen: 56.874 ug/L  
RT: 12.426 min Scan# 3541  
Delta R.T. -0.000 min  
Lab File: VV025988.D  
Acq: 02 Jun 2022 16:46

Tgt Ion: 75 Resp: 49948  
Ion Ratio Lower Upper  
75 100  
155 85.9 66.8 100.2  
157 108.0 82.5 123.7





#69

1,3,5-Trichlorobenzene

Concen: 54.142 ug/L

RT: 12.644 min Scan# 3608

Delta R.T. 0.003 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Instrument :

MSVOA\_V

ClientSampleId :

DBTZ0MS

Tgt Ion:180 Resp: 227791

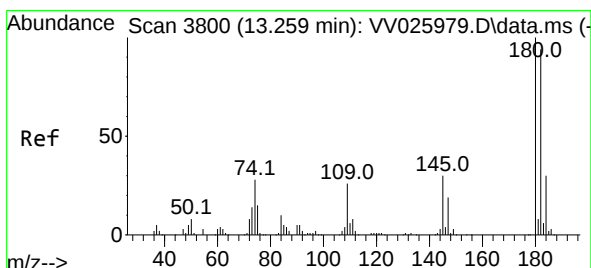
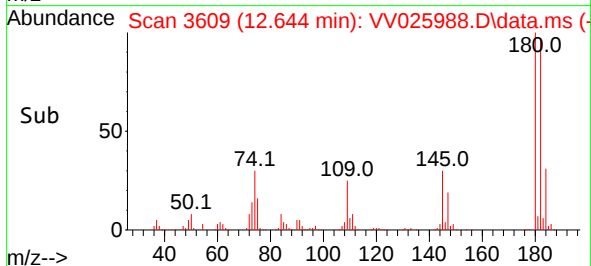
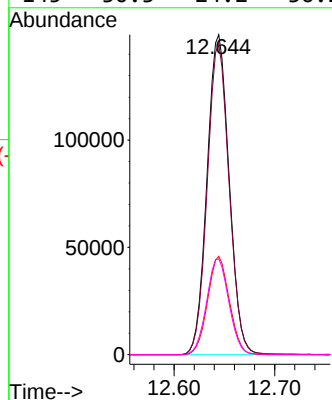
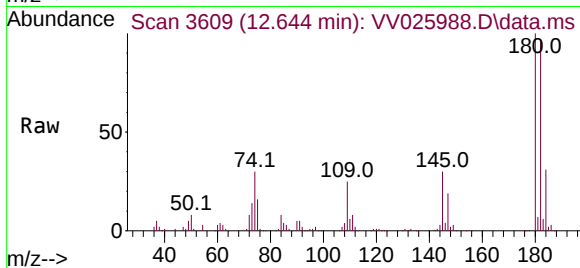
Ion Ratio Lower Upper

180 100

182 95.9 75.1 112.7

184 30.2 23.6 35.4

145 30.3 24.2 36.2



#70

1,2,4-trichlorobenzene

Concen: 54.915 ug/L

RT: 13.258 min Scan# 3800

Delta R.T. -0.000 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

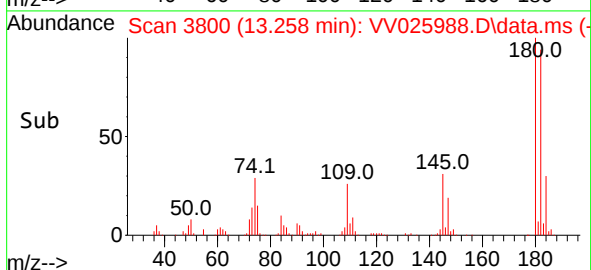
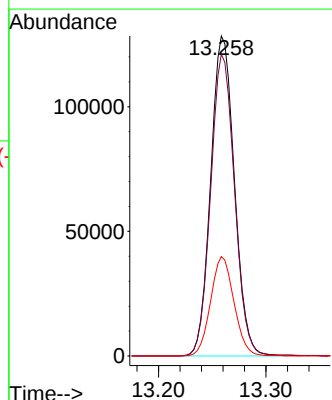
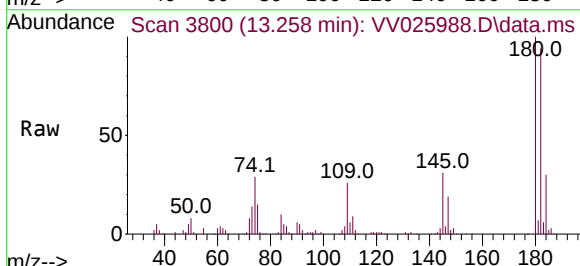
Tgt Ion:180 Resp: 196744

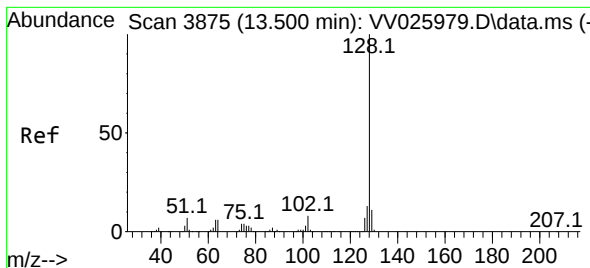
Ion Ratio Lower Upper

180 100

182 94.6 74.8 112.2

145 30.6 24.8 37.2





#71

Naphthalene

Concen: 62.155 ug/L

RT: 13.500 min Scan# 3875

Delta R.T. -0.000 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Instrument :

MSVOA\_V

ClientSampleId :

DBTZ0MS

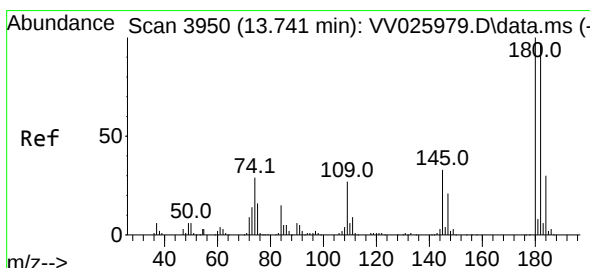
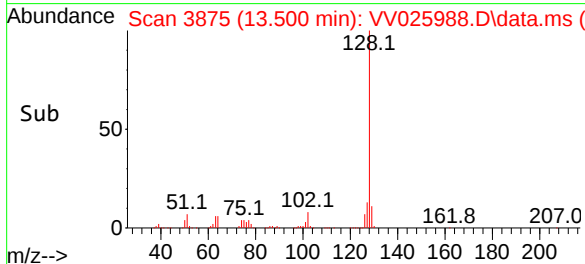
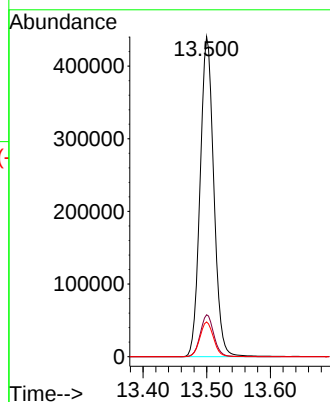
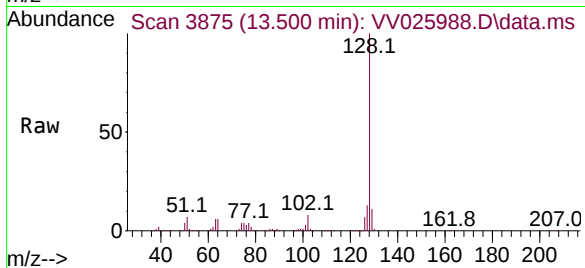
Tgt Ion:128 Resp: 659485

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 10.8 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 57.515 ug/L

RT: 13.741 min Scan# 3950

Delta R.T. -0.000 min

Lab File: VV025988.D

Acq: 02 Jun 2022 16:46

Tgt Ion:180 Resp: 209984

Ion Ratio Lower Upper

180 100

182 95.5 75.8 113.8

145 33.3 26.3 39.5

