

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110422\  
 Data File : VY011317.D  
 Acq On : 04 Nov 2022 22:48  
 Operator : KP/MD  
 Sample : N5436-08  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 07 01:56:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 01 11:56:18 2022  
 Response via : Initial Calibration

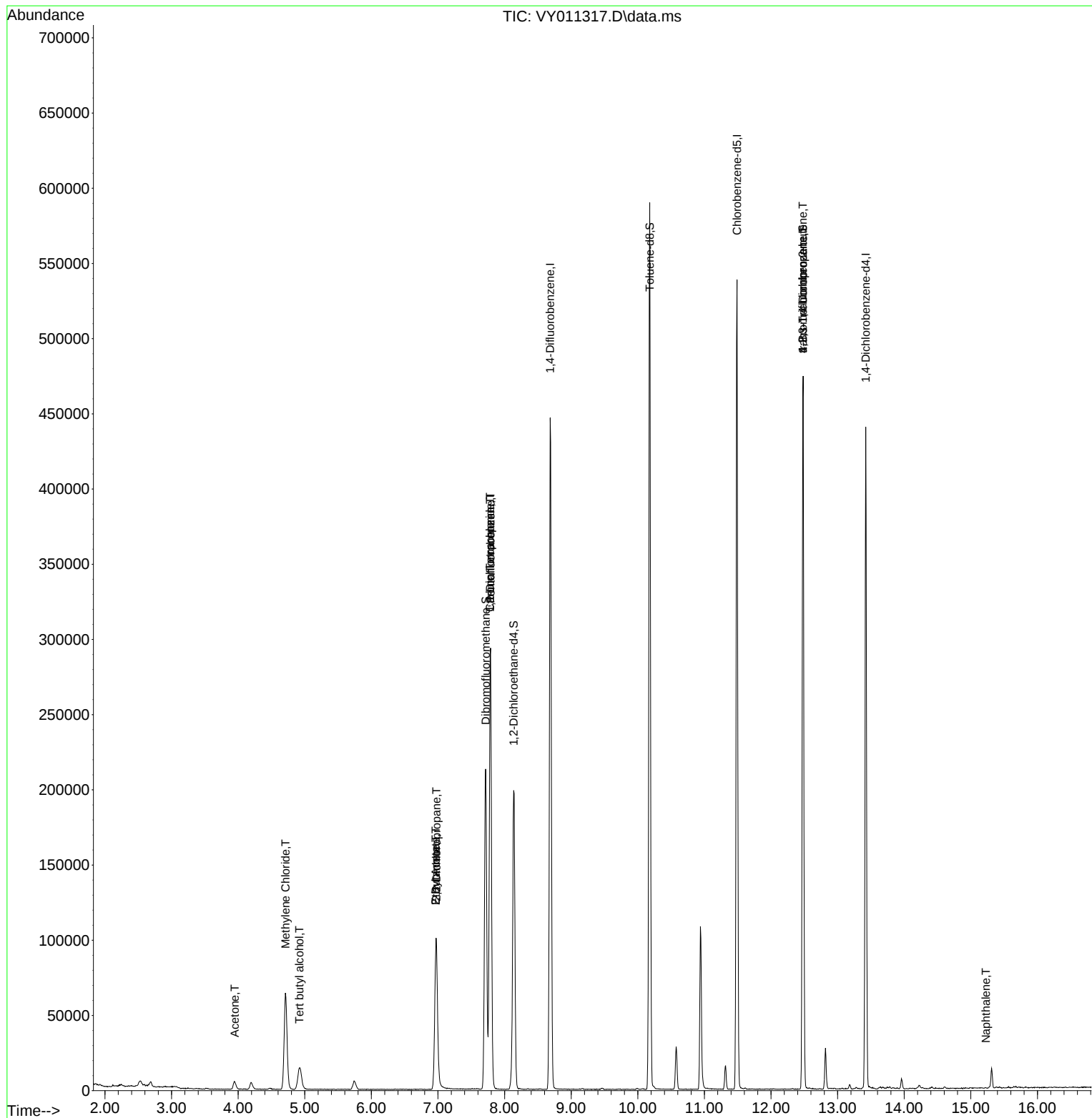
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 235796   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 394345   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 302483   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 115426   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 153496   | 60.866    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 121.740% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 155347   | 61.313    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 122.620% |          |
| 50) Toluene-d8                | 10.179 | 98    | 396802   | 40.337    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 80.680%  |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 146770   | 42.977    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 85.960%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 2) Dichlorodifluoromethane    | 1.912  | 85    | 72       | Below Cal | #          | 43       |
| 11) Tert butyl alcohol        | 4.918  | 59    | 15117    | 5.422     | ug/l #     | 80       |
| 16) Acetone                   | 3.948  | 43    | 9340     | 12.269    | ug/l #     | 83       |
| 20) Methylene Chloride        | 4.710  | 84    | 50956    | 12.607    | ug/l #     | 85       |
| 25) 2-Butanone                | 6.966  | 43    | 5233     | 4.886     | ug/l #     | 81       |
| 26) 2,2-Dichloropropane       | 6.978  | 77    | 7558     | 1.639     | ug/l #     | 55       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 16590    | 4.010     | ug/l #     | 51       |
| 37) Ethyl Acetate             | 6.966  | 43    | 5233     | 2.346     | ug/l #     | 1        |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 22984    | 5.354     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 72023    | 51.254    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 72023    | 109.690   | ug/l #     | 7        |
| 95) Naphthalene               | 15.227 | 128   | 159      | 3.997     | ug/l #     | 69       |
| -----                         |        |       |          |           |            |          |

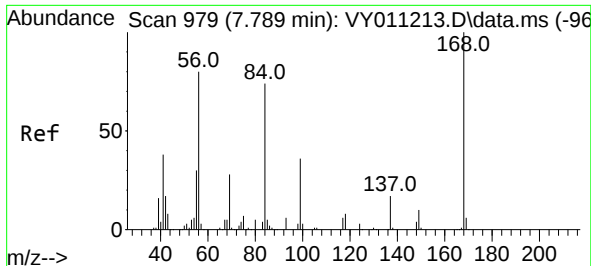
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110422\  
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Sample : N5436-08  
Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

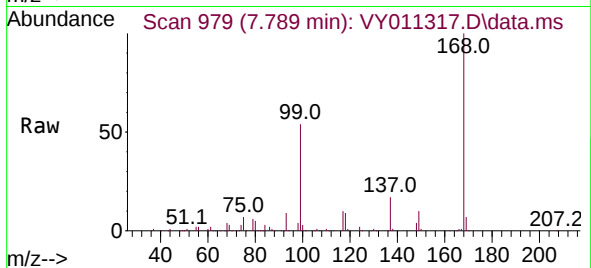
Quant Time: Nov 07 01:56:59 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y110122S.M  
Quant Title : SW846 8260  
QLast Update : Tue Nov 01 11:56:18 2022  
Response via : Initial Calibration



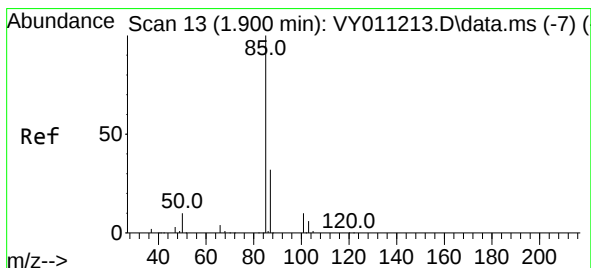
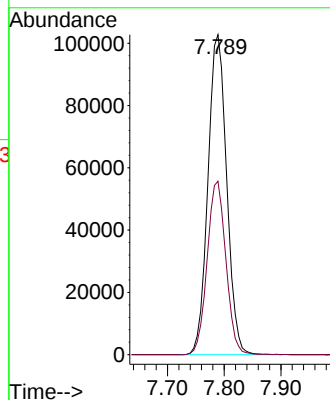
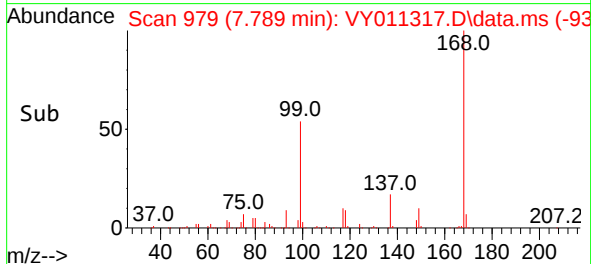


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011317.D  
Acq: 04 Nov 2022 22:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

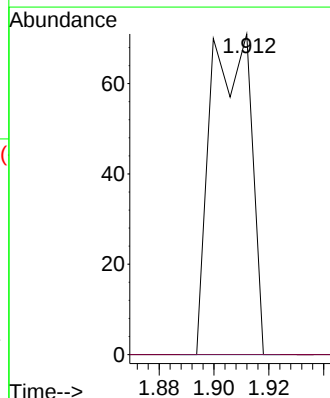
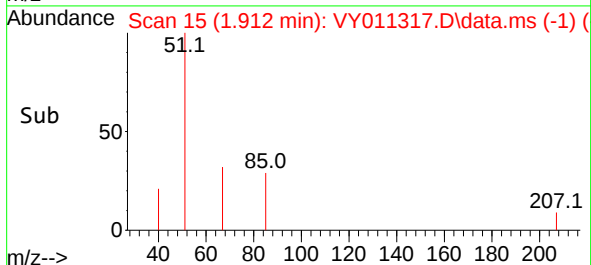
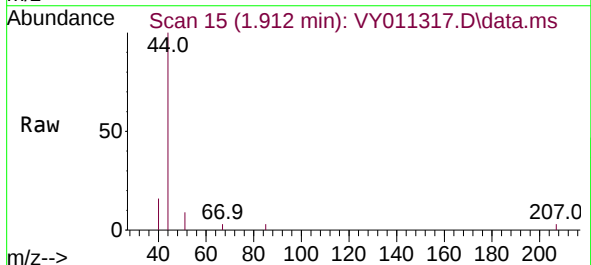


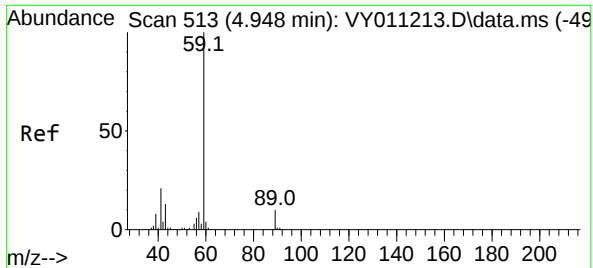
Tgt Ion:168 Resp: 235796  
Ion Ratio Lower Upper  
168 100  
99 54.2 46.9 70.3



#2  
Dichlorodifluoromethane  
Concen: Below Cal  
RT: 1.912 min Scan# 15  
Delta R.T. 0.012 min  
Lab File: VY011317.D  
Acq: 04 Nov 2022 22:48

Tgt Ion: 85 Resp: 72  
Ion Ratio Lower Upper  
85 100  
87 0.0 16.1 48.2#

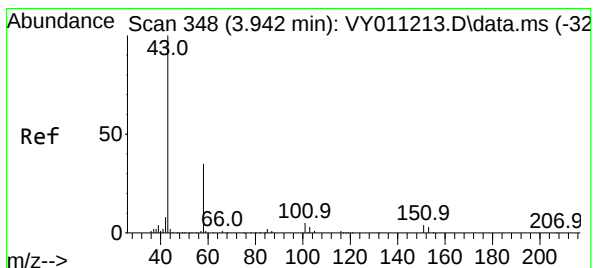
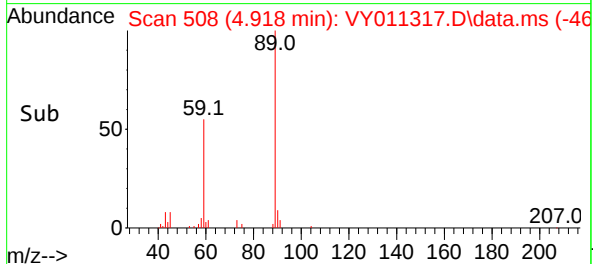
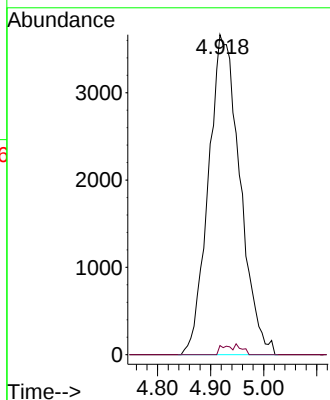
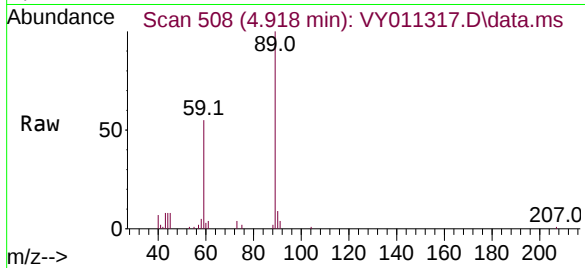




#11  
Tert butyl alcohol  
Concen: 5.422 ug/l  
RT: 4.918 min Scan# 508  
Delta R.T. -0.036 min  
Lab File: VY011317.D  
Acq: 04 Nov 2022 22:48

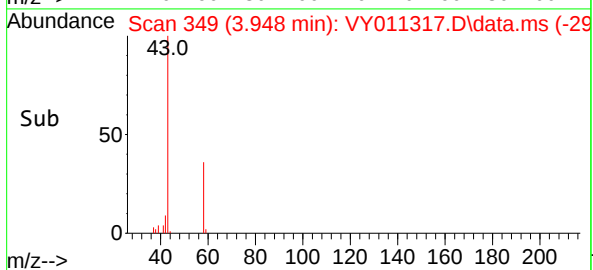
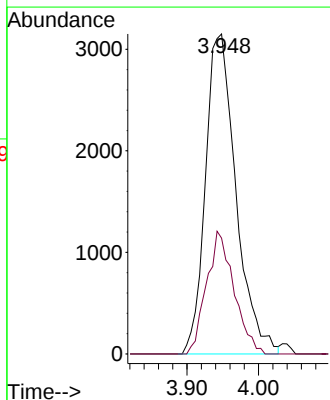
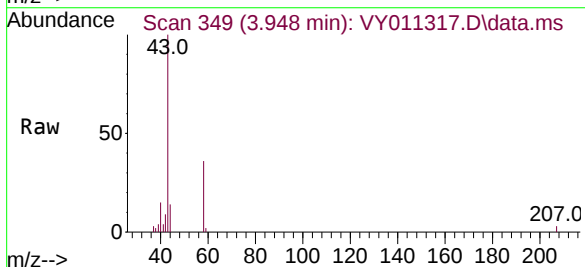
Instrument :  
MSVOA\_Y  
ClientSampleId :

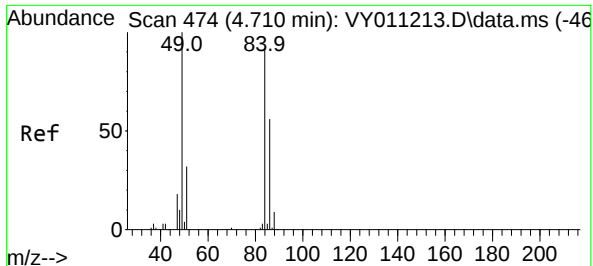
Tgt Ion: 59 Resp: 15117  
Ion Ratio Lower Upper  
59 100  
57 1.0 6.4 9.6#



#16  
Acetone  
Concen: 12.269 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY011317.D  
Acq: 04 Nov 2022 22:48

Tgt Ion: 43 Resp: 9340  
Ion Ratio Lower Upper  
43 100  
58 36.2 22.0 33.0#





#20

Methylene Chloride

Concen: 12.607 ug/l

RT: 4.710 min Scan# 41

Delta R.T. 0.000 min

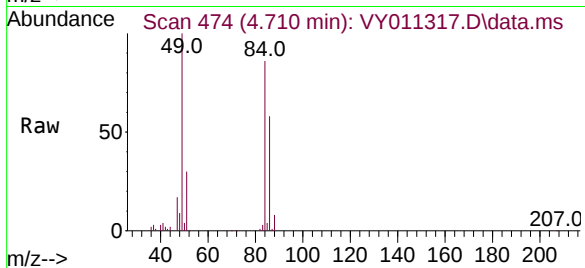
Lab File: VY011317.D

Acq: 04 Nov 2022 22:48

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion: 84 Resp: 50956

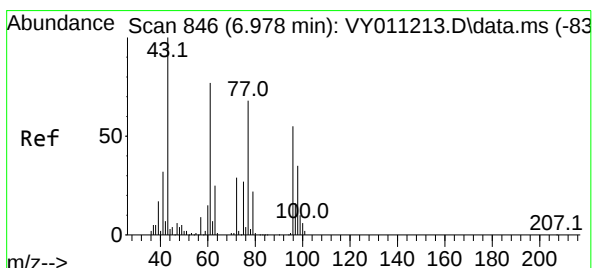
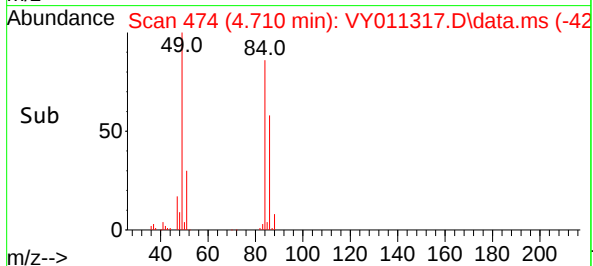
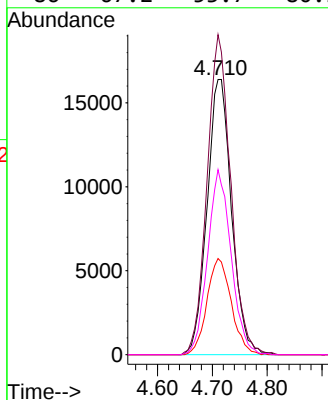
Ion Ratio Lower Upper

84 100

49 116.2 114.4 171.6

51 34.9 35.3 52.9#

86 67.2 53.7 80.5



#25

2-Butanone

Concen: 4.886 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

Lab File: VY011317.D

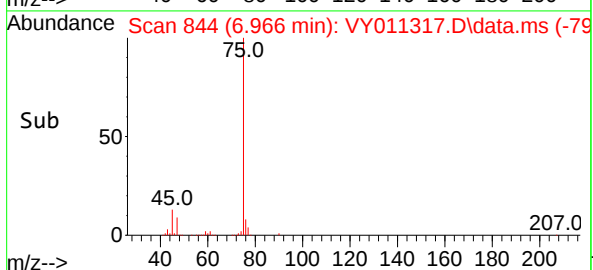
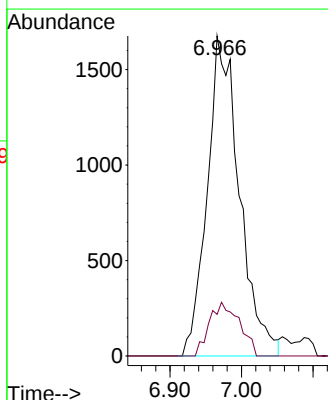
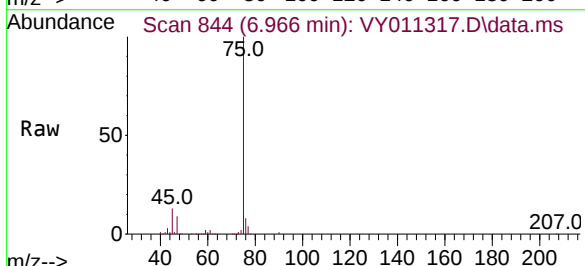
Acq: 04 Nov 2022 22:48

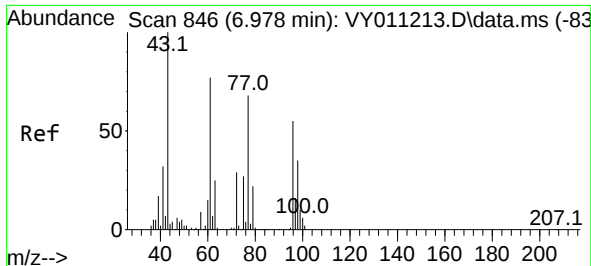
Tgt Ion: 43 Resp: 5233

Ion Ratio Lower Upper

43 100

72 13.0 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 1.639 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY011317.D

Acq: 04 Nov 2022 22:48

Instrument :

MSVOA\_Y

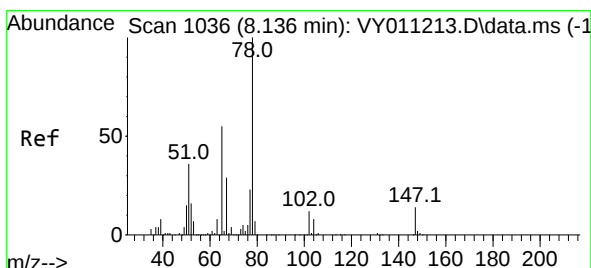
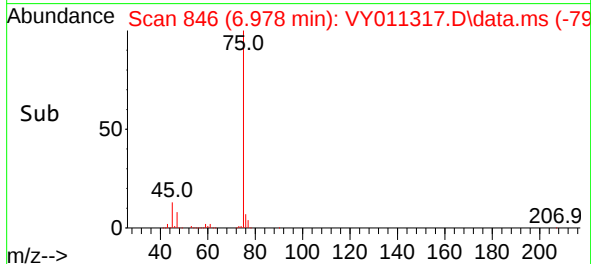
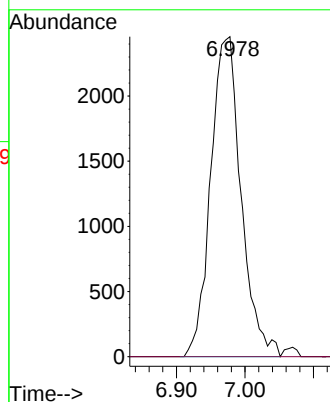
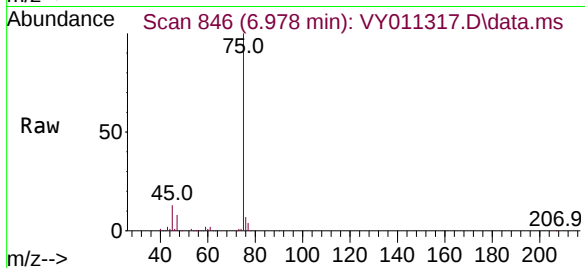
ClientSampleId :

Tgt Ion: 77 Resp: 7558

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#33

1,2-Dichloroethane-d4

Concen: 60.866 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY011317.D

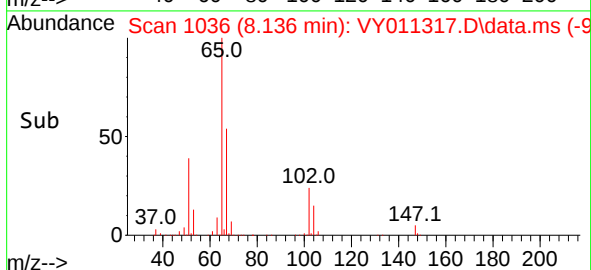
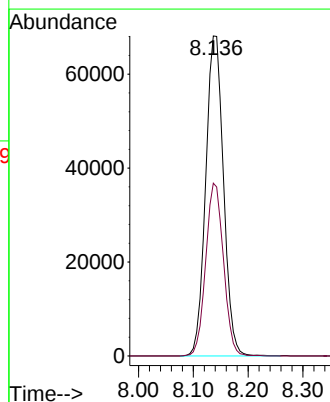
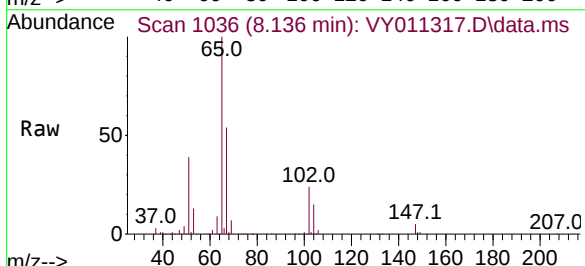
Acq: 04 Nov 2022 22:48

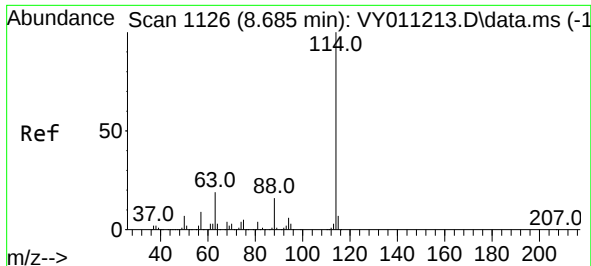
Tgt Ion: 65 Resp: 153496

Ion Ratio Lower Upper

65 100

67 53.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY011317.D

Acq: 04 Nov 2022 22:48

Instrument :

MSVOA\_Y

ClientSampleId :

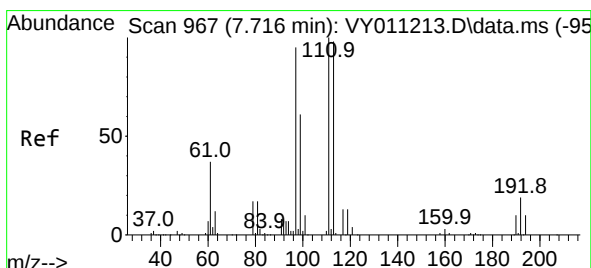
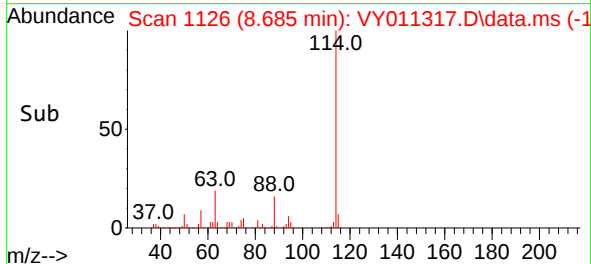
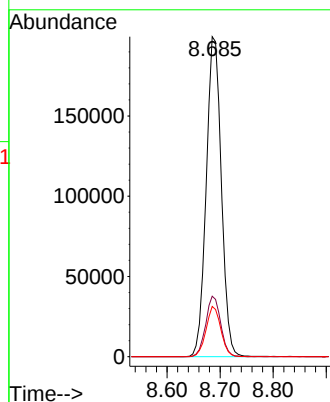
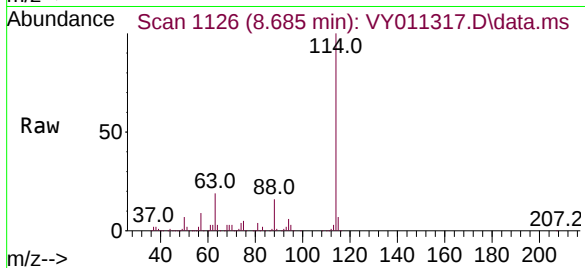
Tgt Ion:114 Resp: 394345

Ion Ratio Lower Upper

114 100

63 18.9 0.0 43.2

88 15.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 61.313 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY011317.D

Acq: 04 Nov 2022 22:48

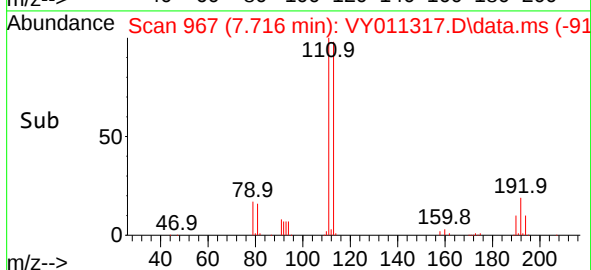
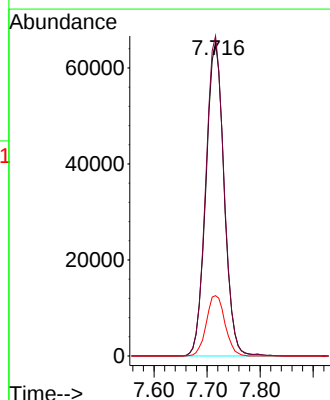
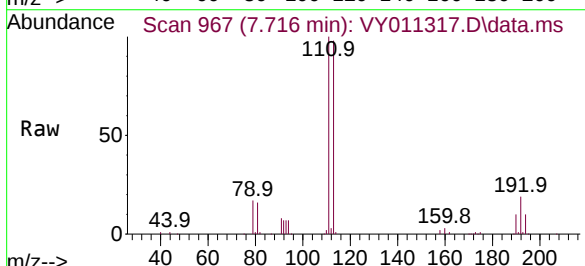
Tgt Ion:113 Resp: 155347

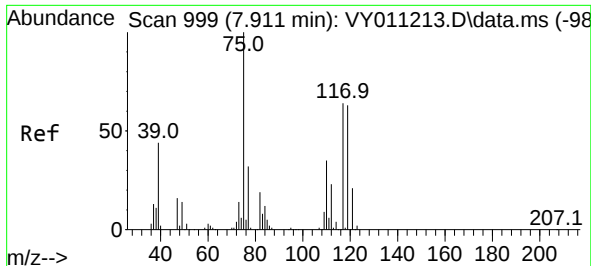
Ion Ratio Lower Upper

113 100

111 102.1 82.6 124.0

192 19.8 17.6 26.4

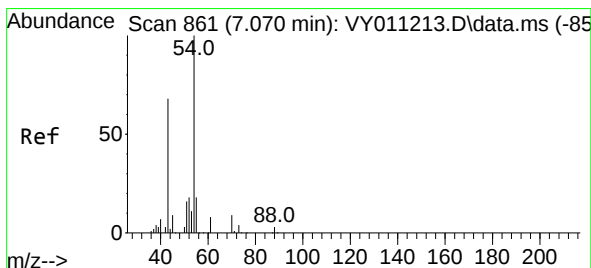
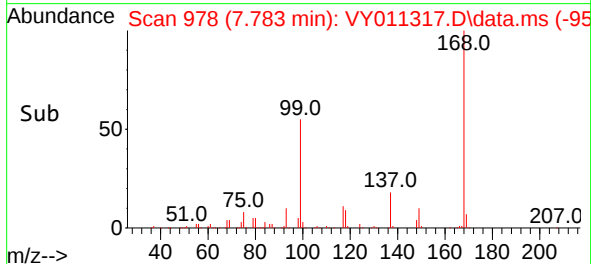
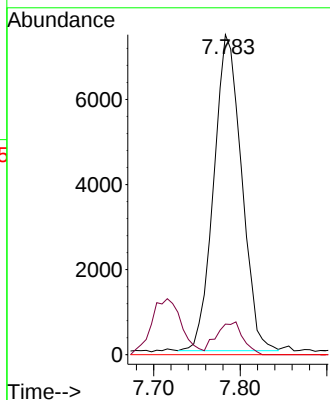
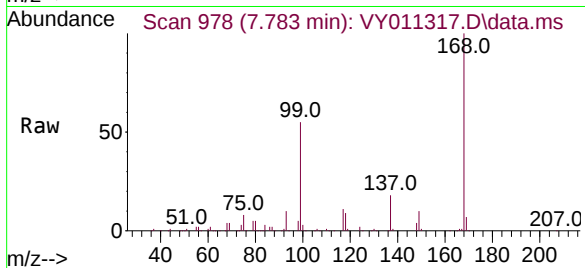




#36  
1,1-Dichloropropene  
Concen: 4.010 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY011317.D  
Acq: 04 Nov 2022 22:48

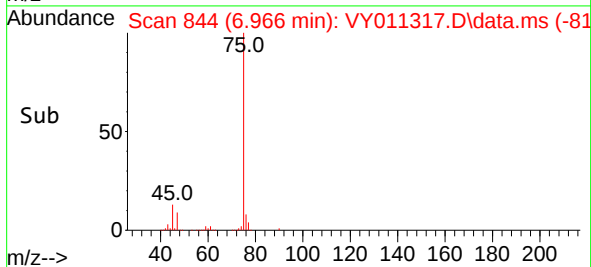
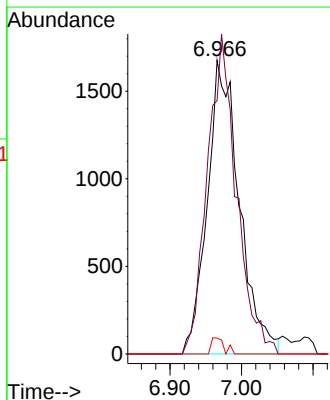
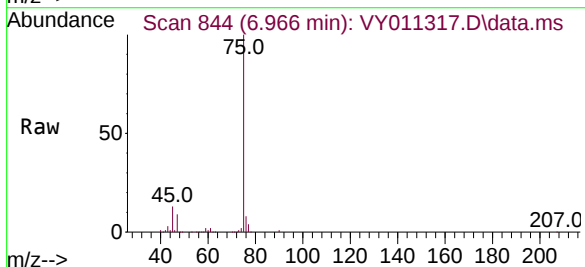
Instrument :  
MSVOA\_Y  
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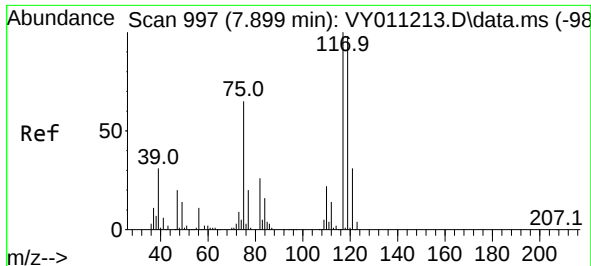
Tgt Ion: 75 Resp: 16590  
Ion Ratio Lower Upper  
75 100  
110 9.8 17.1 51.2#  
77 0.0 24.4 36.6#



#37  
Ethyl Acetate  
Concen: 2.346 ug/l  
RT: 6.966 min Scan# 844  
Delta R.T. -0.104 min  
Lab File: VY011317.D  
Acq: 04 Nov 2022 22:48

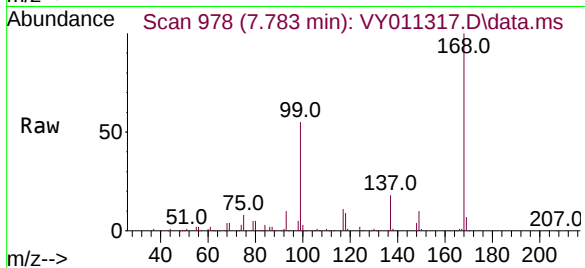
Tgt Ion: 43 Resp: 5233  
Ion Ratio Lower Upper  
43 100  
61 98.6 9.7 14.5#  
70 2.2 7.1 10.7#



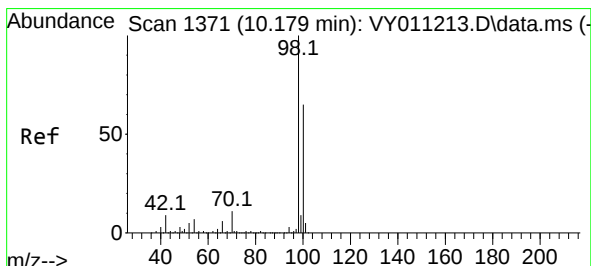
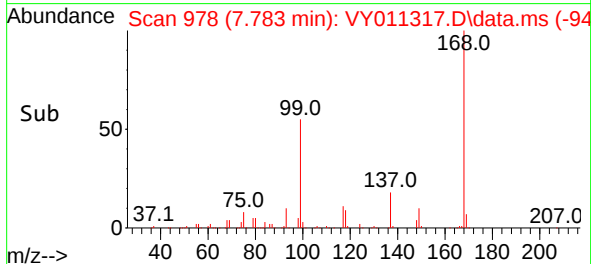
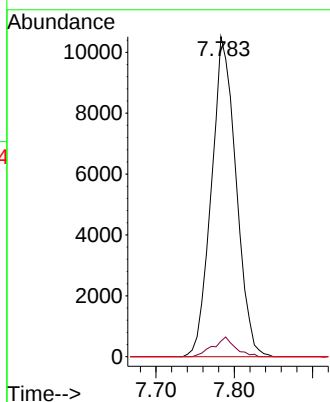


#38  
Carbon Tetrachloride  
Concen: 5.354 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.116 min  
Lab File: VY011317.D  
Acq: 04 Nov 2022 22:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

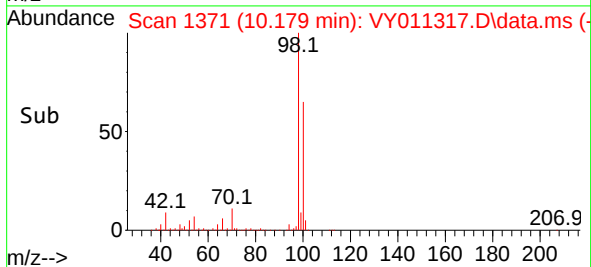
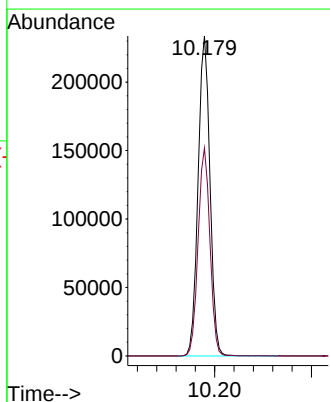
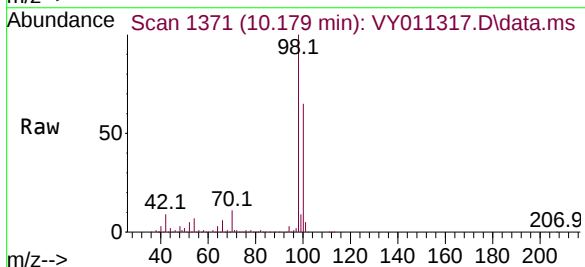


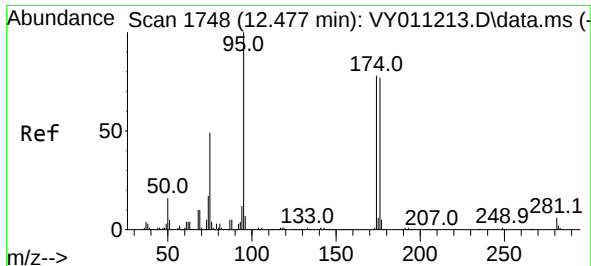
Tgt Ion:117 Resp: 22984  
Ion Ratio Lower Upper  
117 100  
119 4.9 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 40.337 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY011317.D  
Acq: 04 Nov 2022 22:48

Tgt Ion: 98 Resp: 396802  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.2 75.2





#62

4-Bromofluorobenzene

Concen: 42.977 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY011317.D

Acq: 04 Nov 2022 22:48

Instrument :

MSVOA\_Y

ClientSampleId :

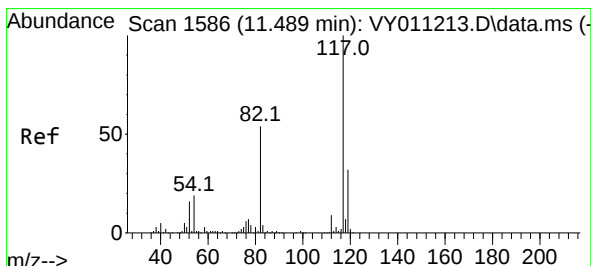
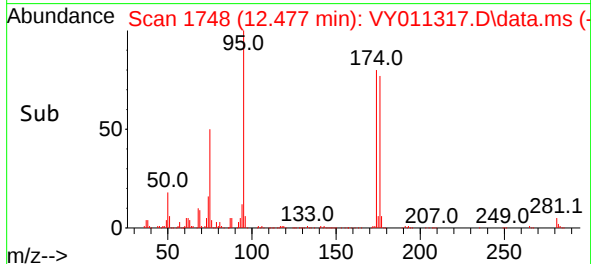
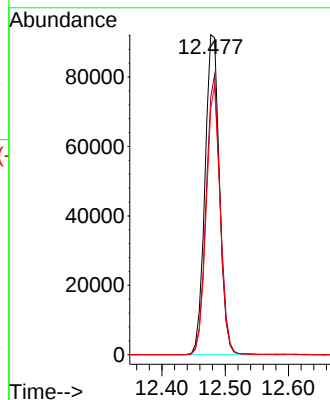
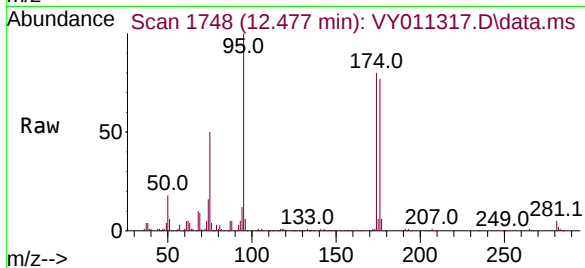
Tgt Ion: 95 Resp: 146770

Ion Ratio Lower Upper

95 100

174 85.1 0.0 177.0

176 80.7 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.001 min

Lab File: VY011317.D

Acq: 04 Nov 2022 22:48

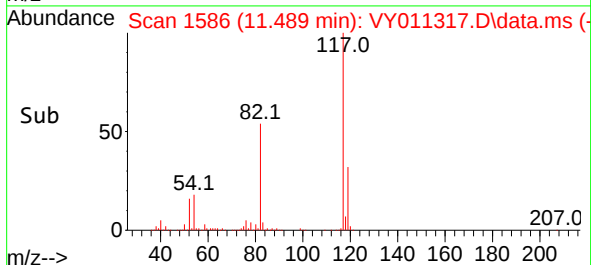
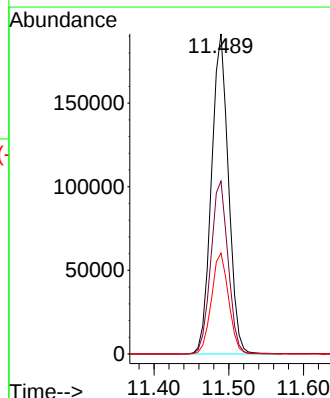
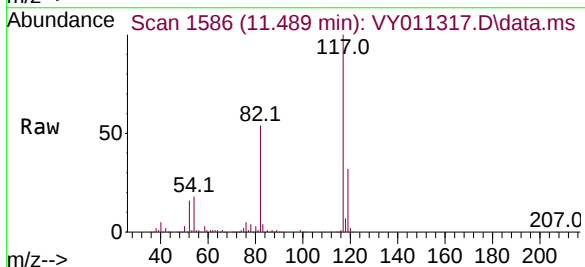
Tgt Ion: 117 Resp: 302483

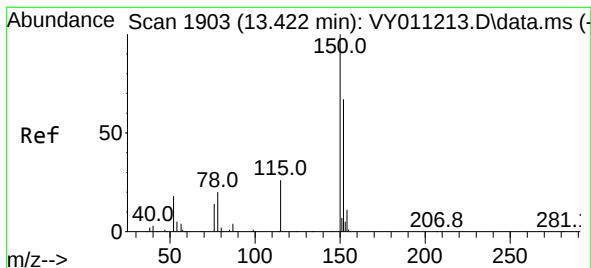
Ion Ratio Lower Upper

117 100

82 54.0 43.0 64.4

119 31.5 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY011317.D

Acq: 04 Nov 2022 22:48

Instrument :

MSVOA\_Y

ClientSampleId :

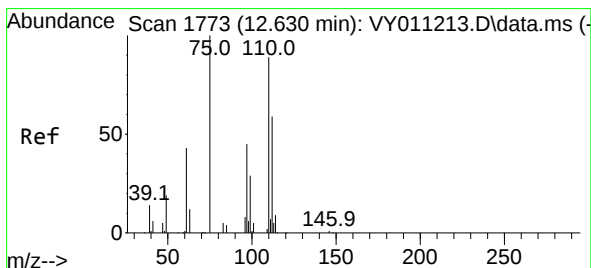
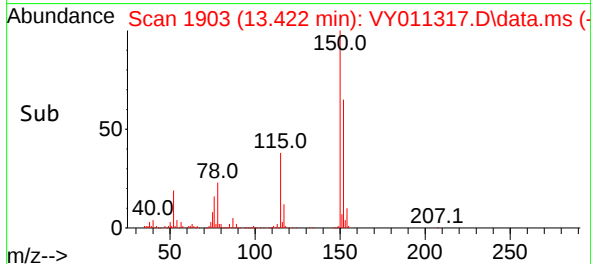
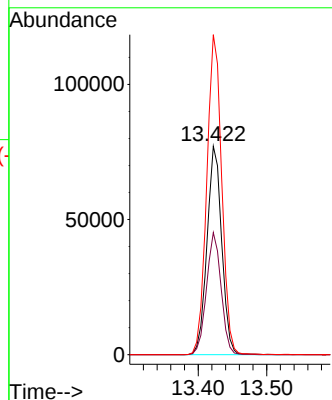
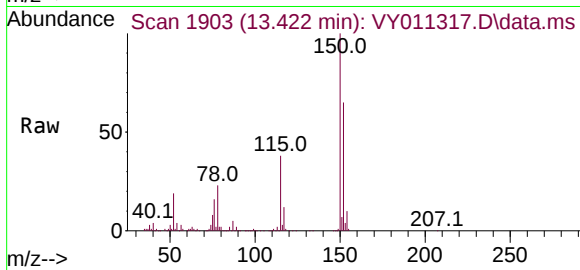
Tgt Ion:152 Resp: 115426

Ion Ratio Lower Upper

152 100

115 58.1 28.2 84.7

150 156.0 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 51.254 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY011317.D

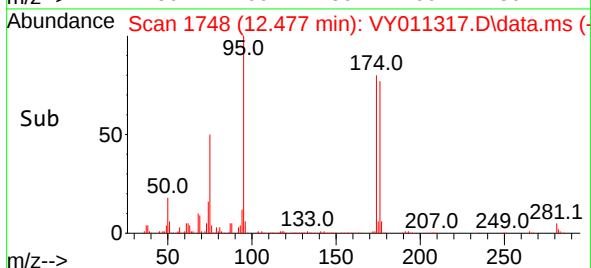
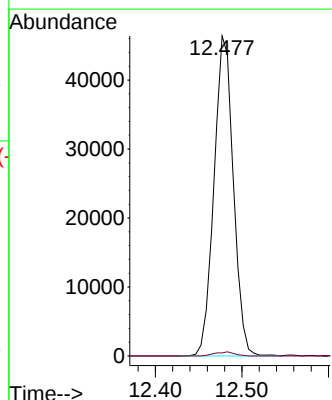
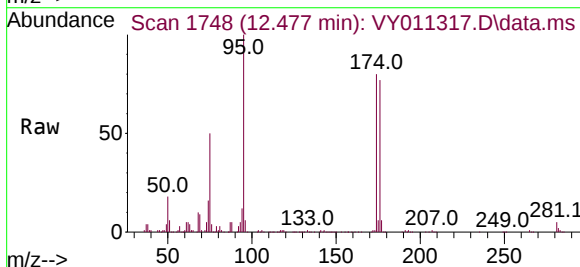
Acq: 04 Nov 2022 22:48

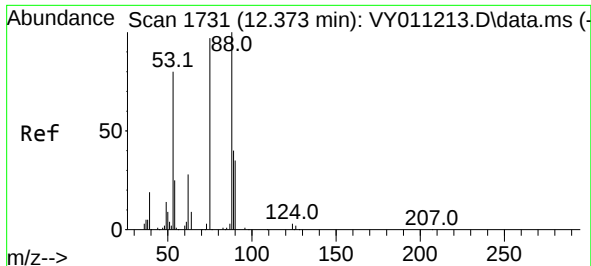
Tgt Ion: 75 Resp: 72023

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

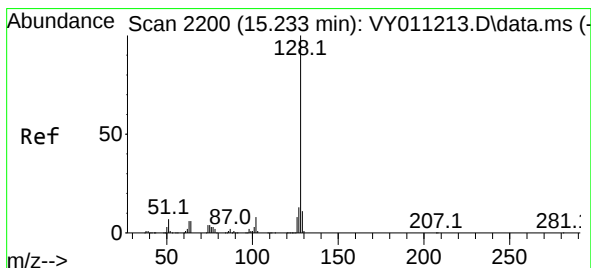
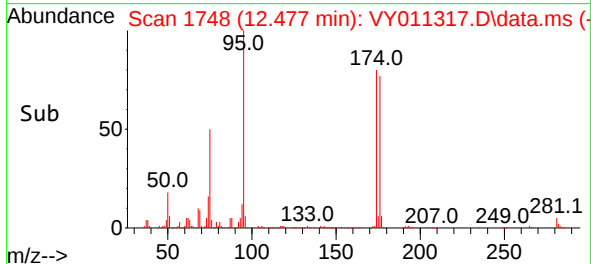
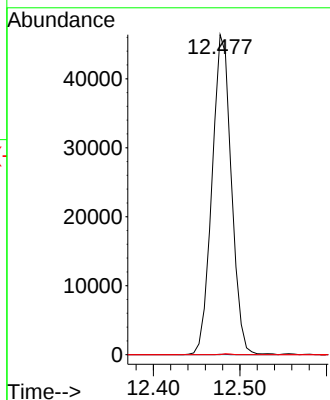
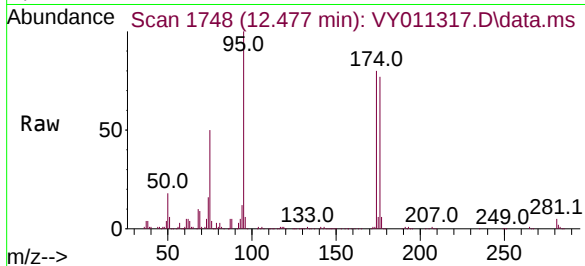




#81  
trans-1,4-Dichloro-2-butene  
Concen: 109.690 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.097 min  
Lab File: VY011317.D  
Acq: 04 Nov 2022 22:48

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 72023  
Ion Ratio Lower Upper  
75 100  
53 0.1 85.3 127.9#  
89 0.1 37.0 55.4#



#95  
Naphthalene  
Concen: 3.997 ug/l  
RT: 15.227 min Scan# 2199  
Delta R.T. -0.006 min  
Lab File: VY011317.D  
Acq: 04 Nov 2022 22:48

Tgt Ion: 128 Resp: 159  
Ion Ratio Lower Upper  
128 100  
127 0.0 11.0 16.4#  
129 0.0 8.4 12.6#

