

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041822\  
 Data File : VY008374.D  
 Acq On : 18 Apr 2022 15:32  
 Operator : KP/MD  
 Sample : N2430-04  
 Misc : 5.61g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 E13-EB1-041322-8-10

Quant Time: Apr 19 06:29:59 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y040822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Apr 08 16:02:50 2022  
 Response via : Initial Calibration

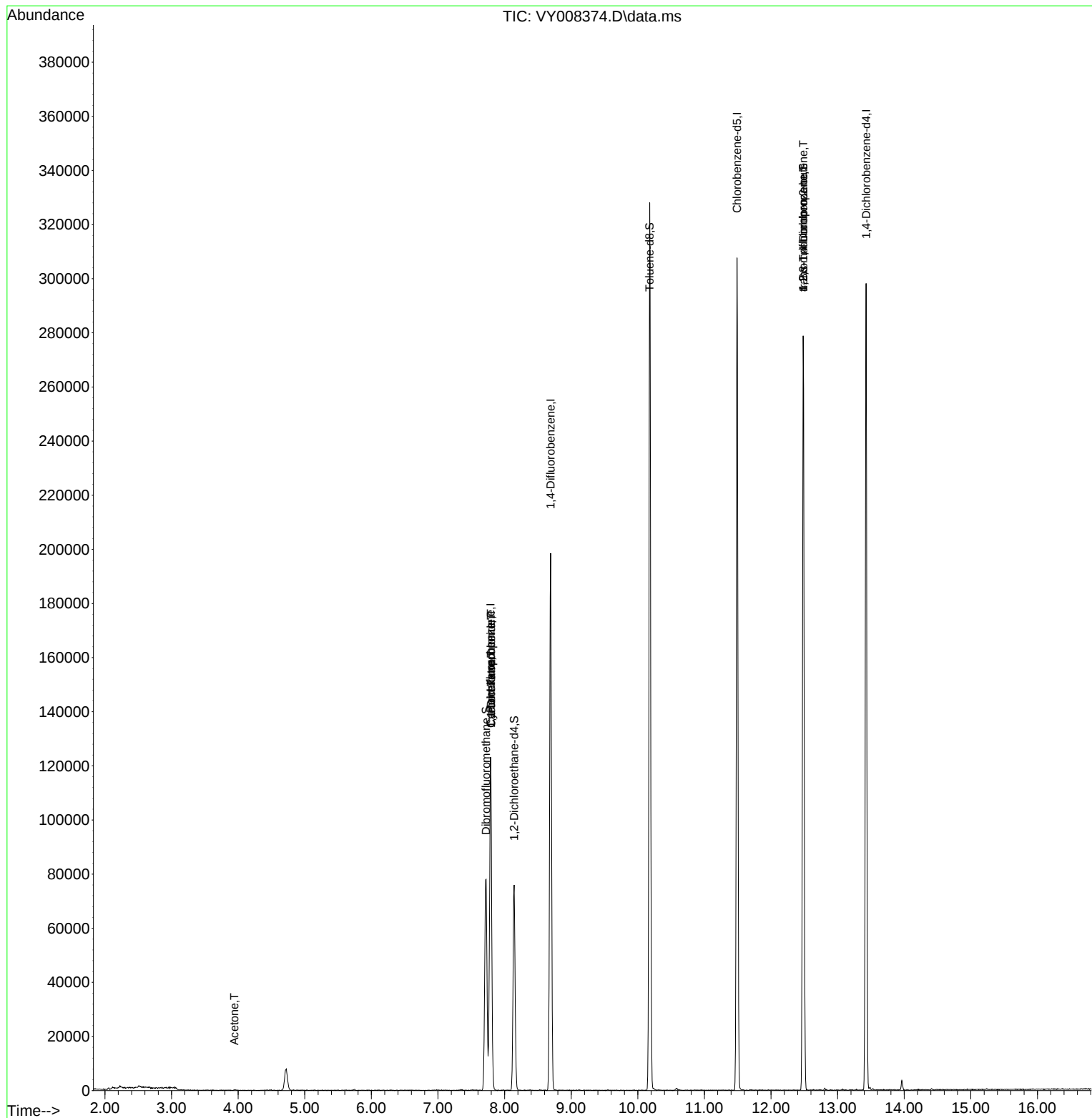
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 95987    | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 175974   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117   | 170514   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 74361    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143     | 65    | 56640    | 62.820    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 125.640% |          |
| 35) Dibromofluoromethane      | 7.722     | 113   | 56886    | 55.968    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 111.940% |          |
| 50) Toluene-d8                | 10.179    | 98    | 215220   | 61.882    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 123.760% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 72025    | 55.060    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 110.120% |          |
| Target Compounds              |           |       |          |           |            |          |
| 3) Chloromethane              | 2.113     | 50    | 295      | Below Cal | Qvalue 91  |          |
| 5) Bromomethane               | 2.662     | 94    | 142      | Below Cal | # 67       |          |
| 16) Acetone                   | 3.942     | 43    | 238      | 1.097     | ug/l       | # 47     |
| 18) Methyl Acetate            | 4.479     | 43    | 215      | Below Cal | # 56       |          |
| 20) Methylene Chloride        | 4.710     | 84    | 6690     | Below Cal | # 75       |          |
| 31) Cyclohexane               | 7.795     | 56    | 2005     | 1.230     | ug/l       | # 1      |
| 36) 1,1-Dichloropropene       | 7.795     | 75    | 7221     | 4.449     | ug/l       | # 50     |
| 38) Carbon Tetrachloride      | 7.795     | 117   | 9711     | 5.562     | ug/l       | # 15     |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 38853    | 47.243    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 38853    | 105.704   | ug/l       | # 8      |
| -----                         |           |       |          |           |            |          |

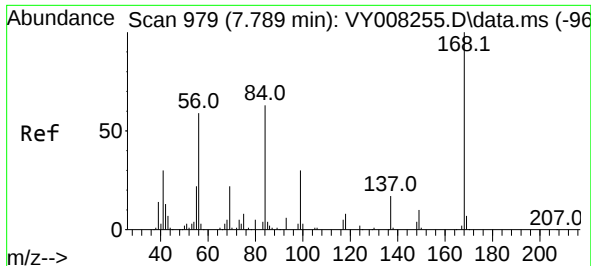
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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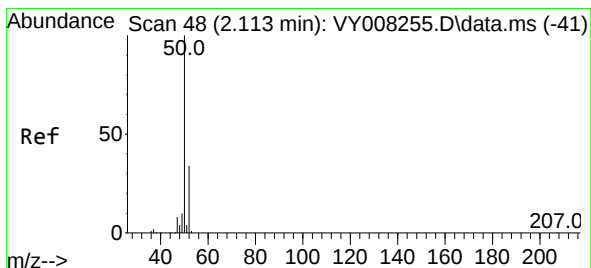
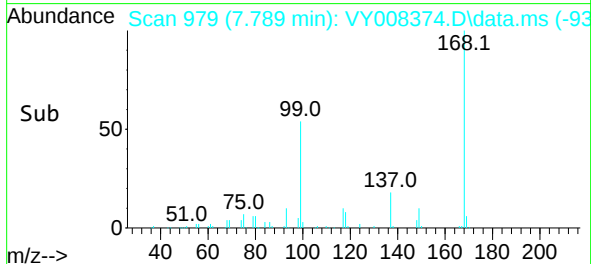
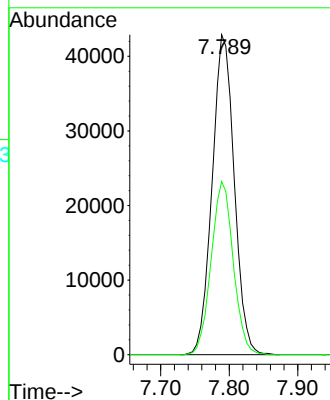
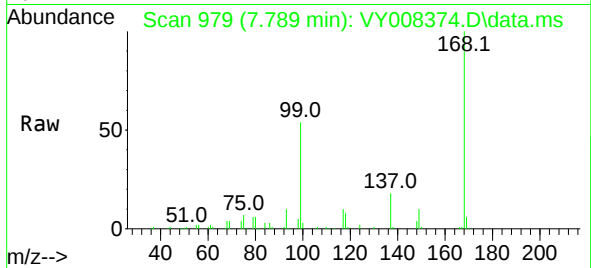




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008374.D  
Acq: 18 Apr 2022 15:32

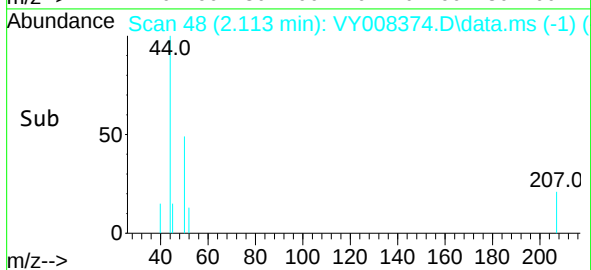
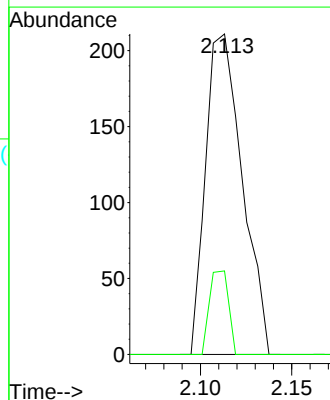
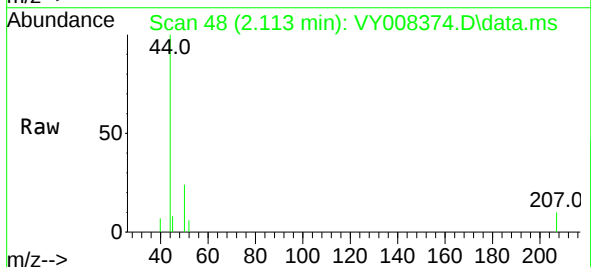
Instrument :  
MSVOA\_Y  
ClientSampleId :  
E13-EB1-041322-8-10

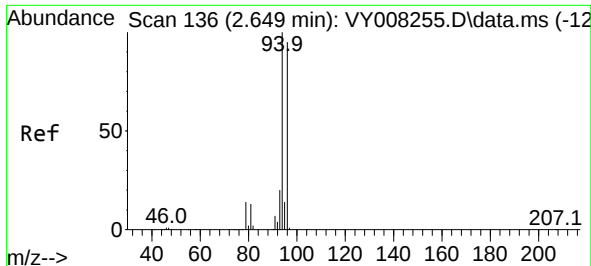
Tgt Ion:168 Resp: 95987  
Ion Ratio Lower Upper  
168 100  
99 54.1 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.113 min Scan# 48  
Delta R.T. 0.000 min  
Lab File: VY008374.D  
Acq: 18 Apr 2022 15:32

Tgt Ion: 50 Resp: 295  
Ion Ratio Lower Upper  
50 100  
52 26.1 24.6 37.0

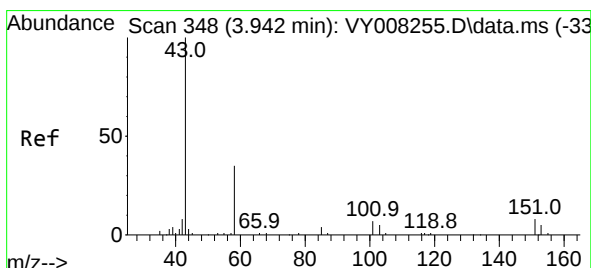
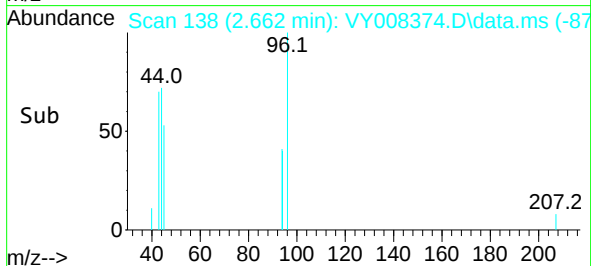
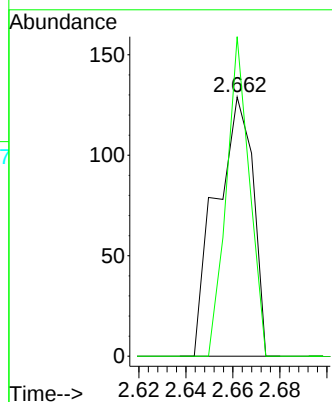
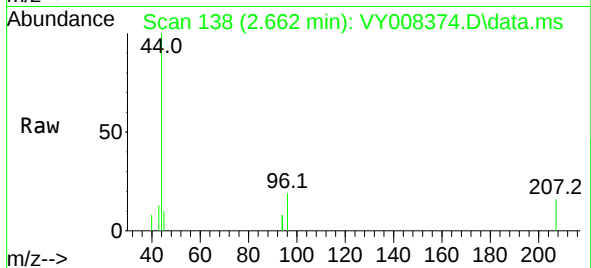




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.662 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: VY008374.D  
Acq: 18 Apr 2022 15:32

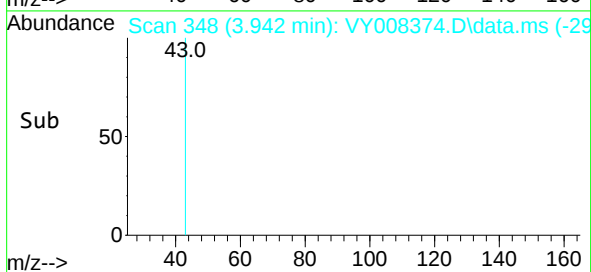
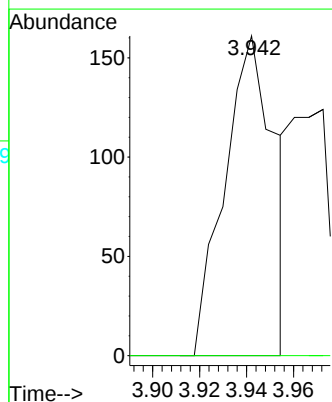
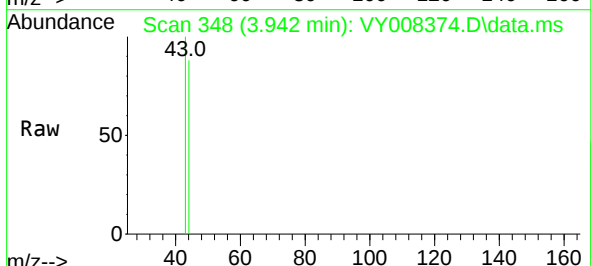
Instrument :  
MSVOA\_Y  
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E13-EB1-041322-8-10

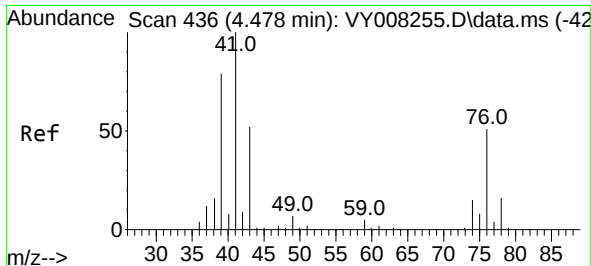
Tgt Ion: 94 Resp: 142  
Ion Ratio Lower Upper  
94 100  
96 123.3 73.5 110.3#



#16  
Acetone  
Concen: 1.097 ug/l  
RT: 3.942 min Scan# 348  
Delta R.T. 0.000 min  
Lab File: VY008374.D  
Acq: 18 Apr 2022 15:32

Tgt Ion: 43 Resp: 238  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.479 min Scan# 41

Delta R.T. 0.001 min

Lab File: VY008374.D

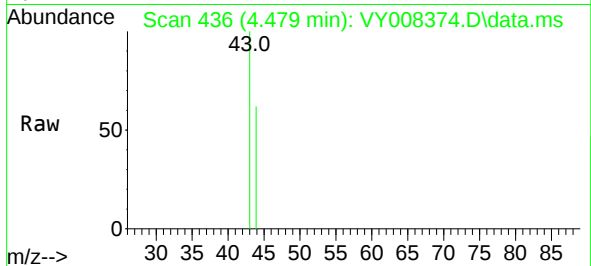
Acq: 18 Apr 2022 15:32

Instrument :

MSVOA\_Y

ClientSampleId :

E13-EB1-041322-8-10

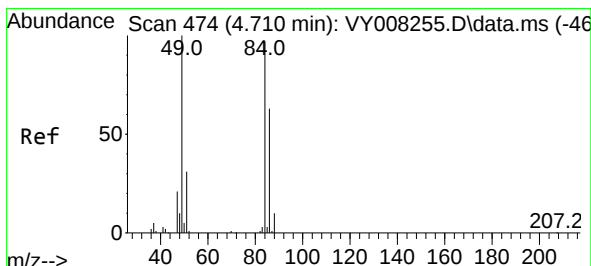
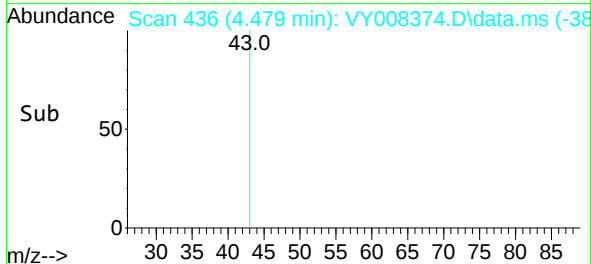
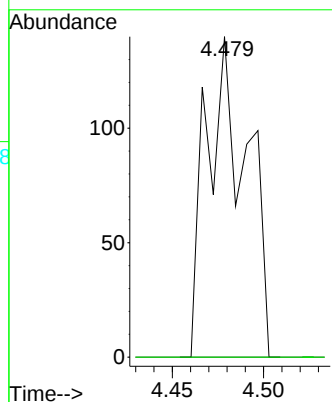


Tgt Ion: 43 Resp: 215

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.710 min Scan# 474

Delta R.T. 0.000 min

Lab File: VY008374.D

Acq: 18 Apr 2022 15:32

Tgt Ion: 84 Resp: 6690

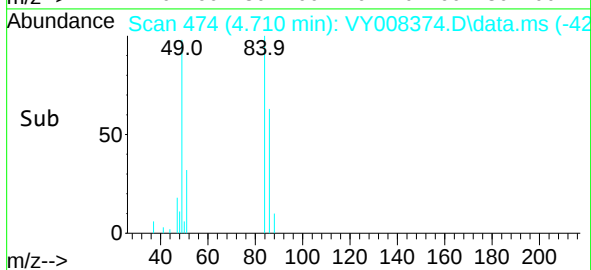
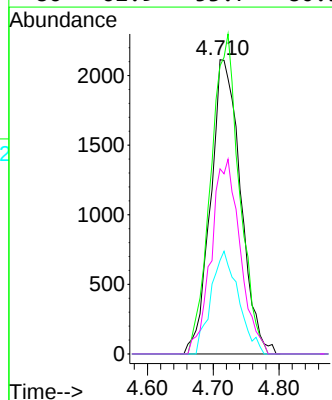
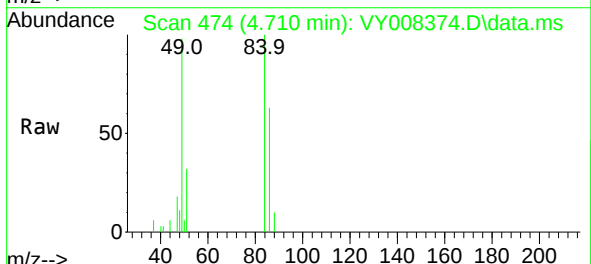
Ion Ratio Lower Upper

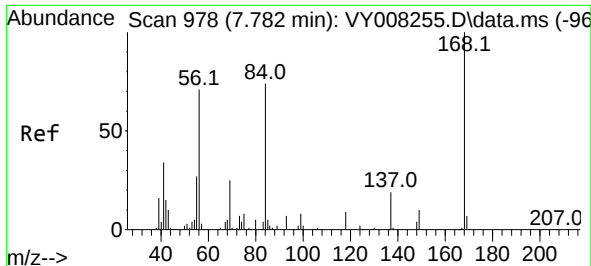
84 100

49 97.9 114.4 171.6#

51 31.8 35.3 52.9#

86 62.9 53.7 80.5

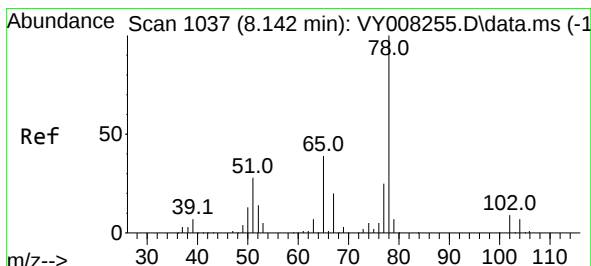
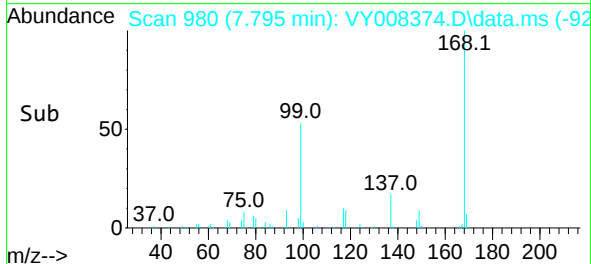
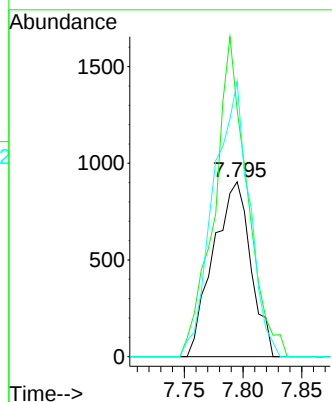
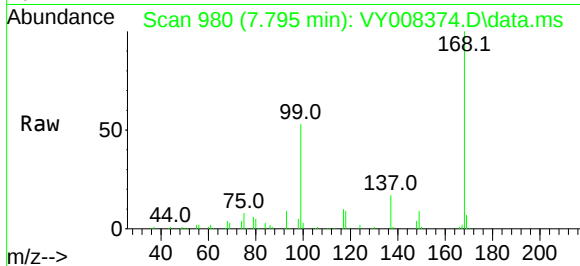




#31  
Cyclohexane  
Concen: 1.230 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.013 min  
Lab File: VY008374.D  
Acq: 18 Apr 2022 15:32

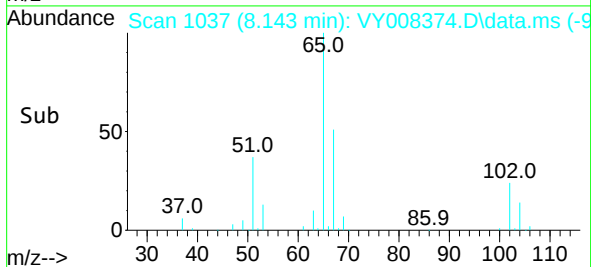
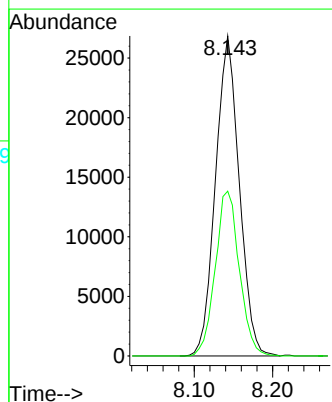
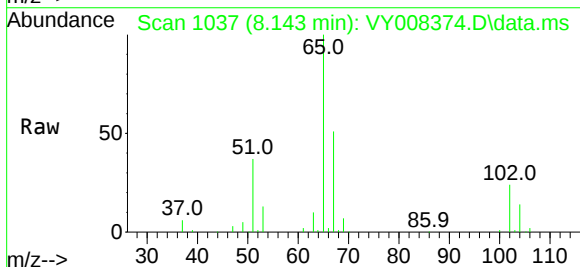
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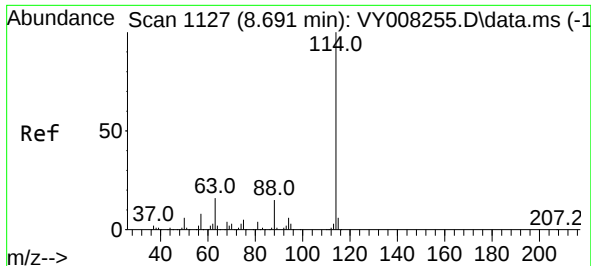
Tgt Ion: 56 Resp: 2005  
Ion Ratio Lower Upper  
56 100  
69 141.2 26.7 40.1#  
84 157.5 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 62.820 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.001 min  
Lab File: VY008374.D  
Acq: 18 Apr 2022 15:32

Tgt Ion: 65 Resp: 56640  
Ion Ratio Lower Upper  
65 100  
67 52.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008374.D

Acq: 18 Apr 2022 15:32

Instrument :

MSVOA\_Y

ClientSampleId :

E13-EB1-041322-8-10

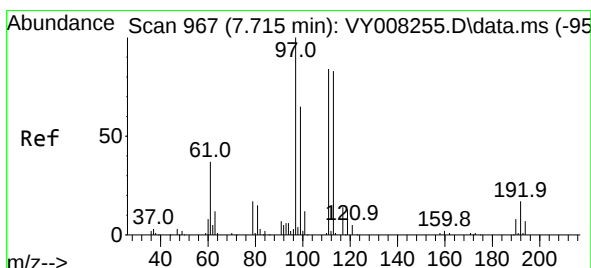
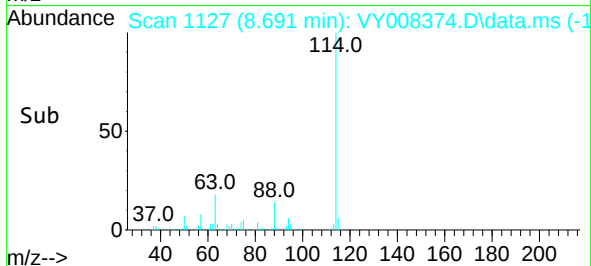
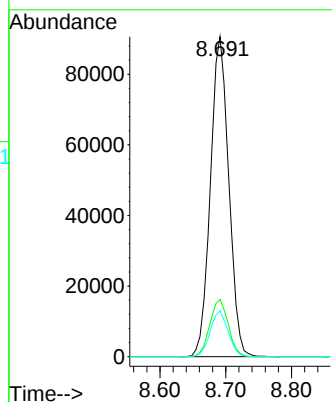
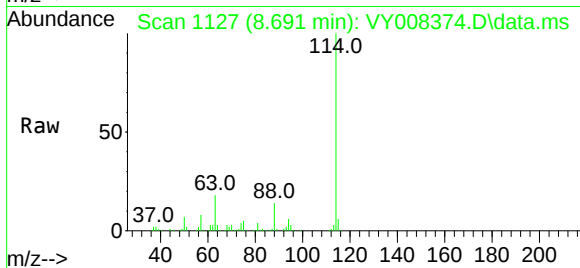
Tgt Ion:114 Resp: 175974

Ion Ratio Lower Upper

114 100

63 17.9 0.0 43.2

88 14.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.968 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.007 min

Lab File: VY008374.D

Acq: 18 Apr 2022 15:32

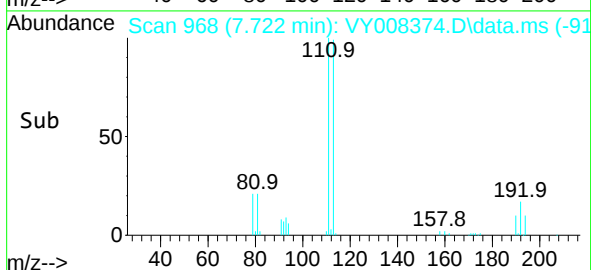
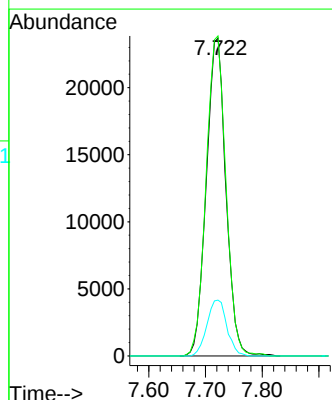
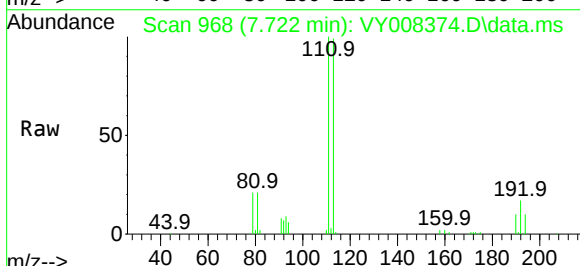
Tgt Ion:113 Resp: 56886

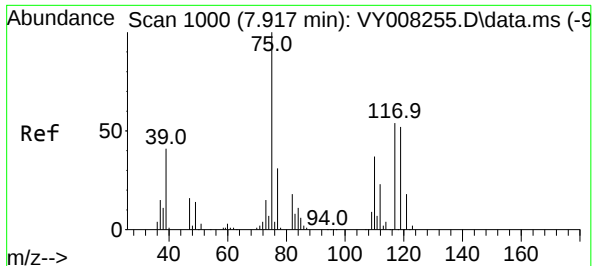
Ion Ratio Lower Upper

113 100

111 101.9 82.6 124.0

192 17.9 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.449 ug/l

RT: 7.795 min Scan# 9

Delta R.T. -0.122 min

Lab File: VY008374.D

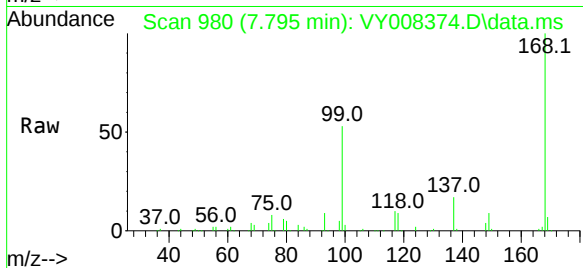
Acq: 18 Apr 2022 15:32

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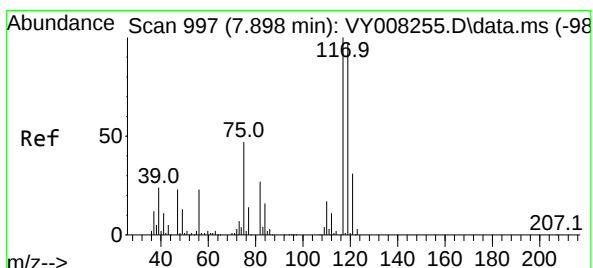
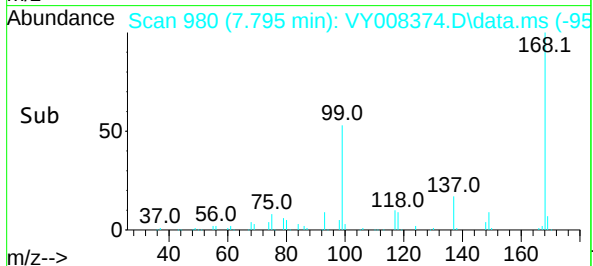
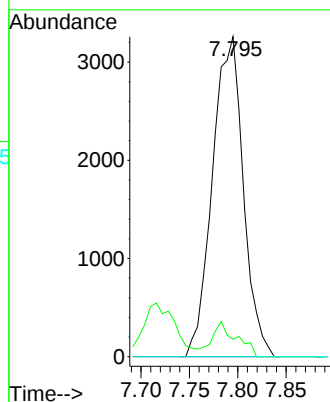
Tgt Ion: 75 Resp: 7221

Ion Ratio Lower Upper

75 100

110 8.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.562 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.103 min

Lab File: VY008374.D

Acq: 18 Apr 2022 15:32

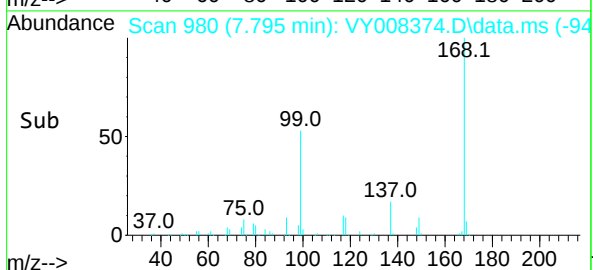
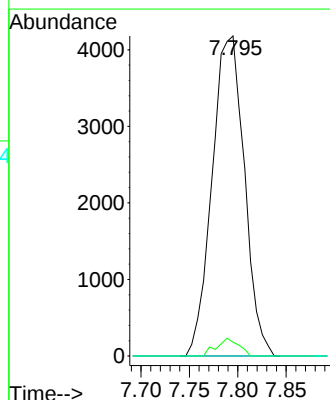
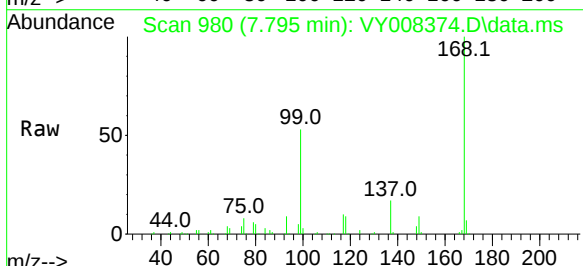
Tgt Ion: 117 Resp: 9711

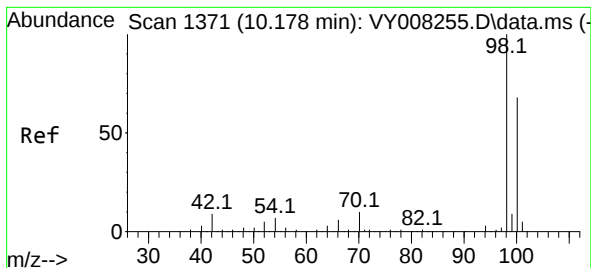
Ion Ratio Lower Upper

117 100

119 4.3 77.9 116.9#

121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 61.882 ug/l

RT: 10.179 min Scan# 1

Delta R.T. 0.001 min

Lab File: VY008374.D

Acq: 18 Apr 2022 15:32

Instrument :

MSVOA\_Y

ClientSampleId :

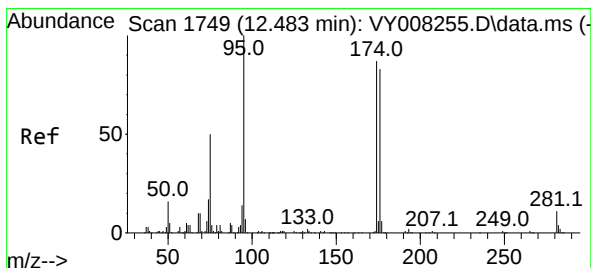
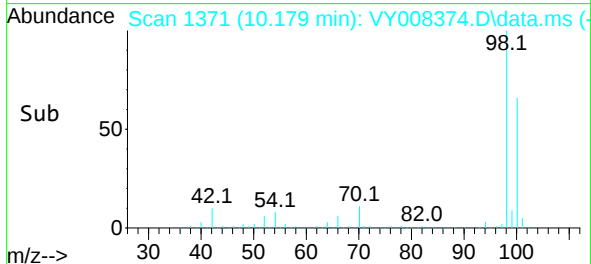
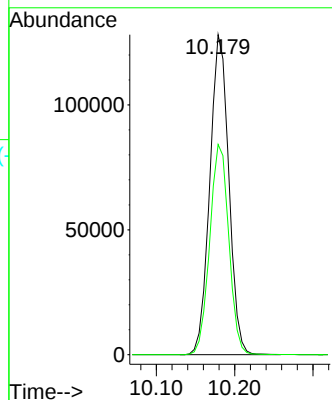
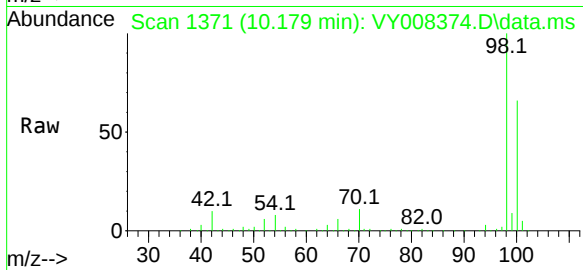
E13-EB1-041322-8-10

Tgt Ion: 98 Resp: 215220

Ion Ratio Lower Upper

98 100

100 66.1 50.2 75.2



#62

4-Bromofluorobenzene

Concen: 55.060 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY008374.D

Acq: 18 Apr 2022 15:32

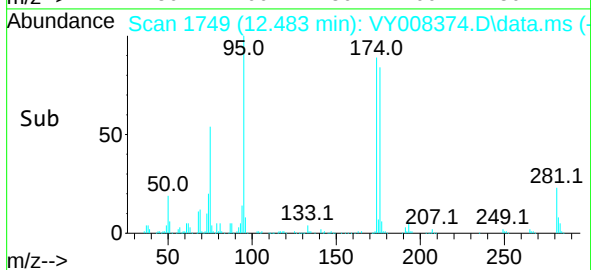
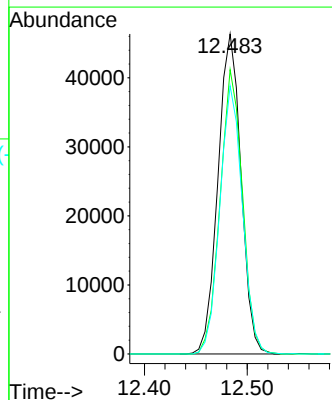
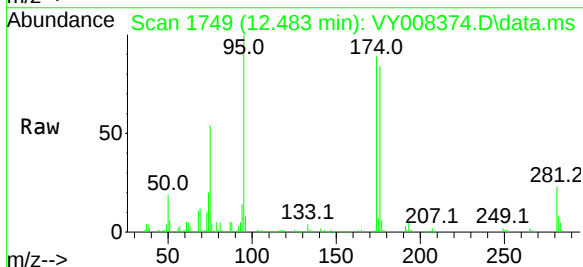
Tgt Ion: 95 Resp: 72025

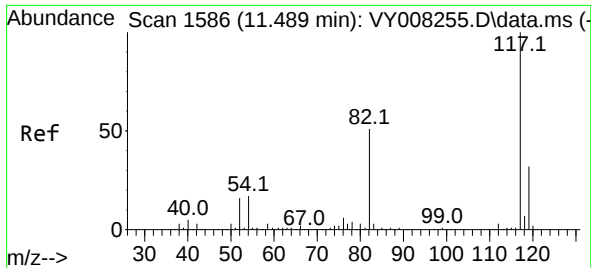
Ion Ratio Lower Upper

95 100

174 86.1 0.0 177.0

176 82.1 0.0 175.8

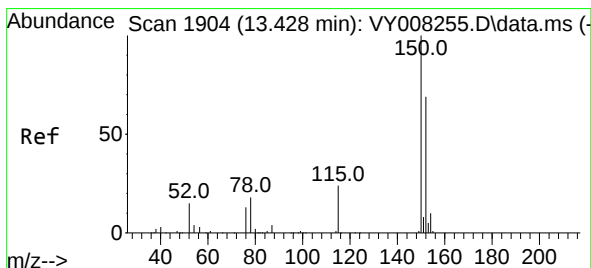
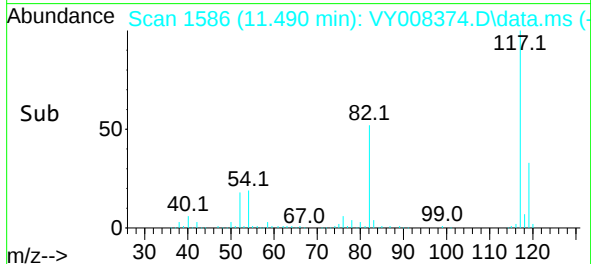
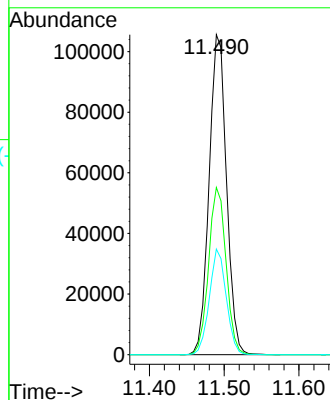
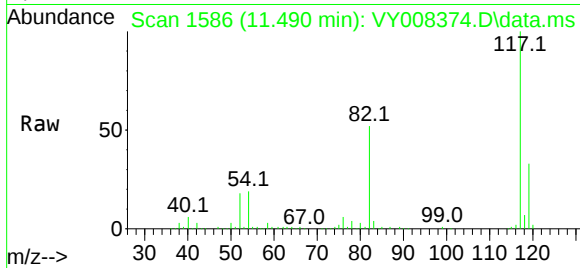




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.001 min  
Lab File: VY008374.D  
Acq: 18 Apr 2022 15:32

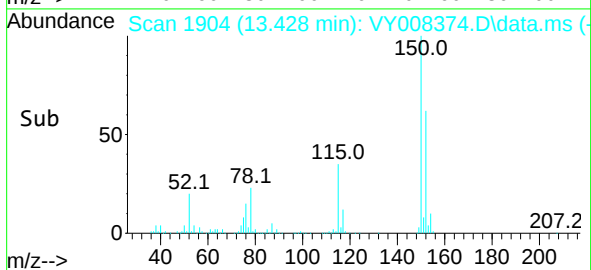
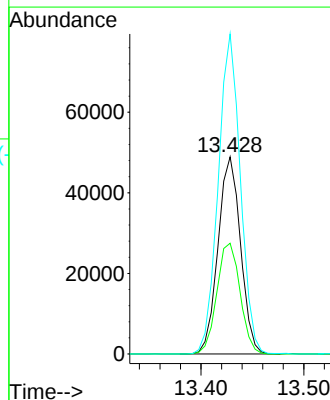
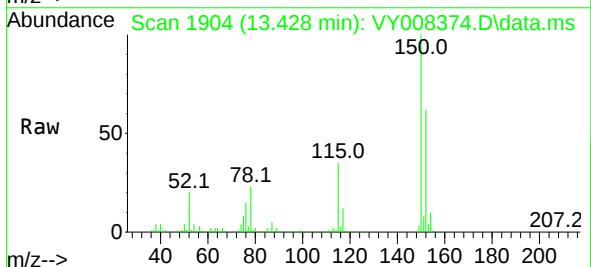
Instrument :  
MSVOA\_Y  
ClientSampleId :  
E13-EB1-041322-8-10

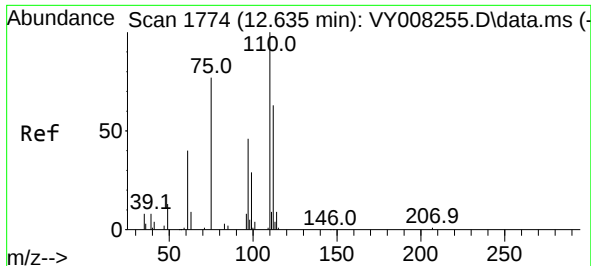
Tgt Ion:117 Resp: 170514  
Ion Ratio Lower Upper  
117 100  
82 52.2 43.0 64.4  
119 33.0 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008374.D  
Acq: 18 Apr 2022 15:32

Tgt Ion:152 Resp: 74361  
Ion Ratio Lower Upper  
152 100  
115 58.0 28.2 84.7  
150 159.8 0.0 347.6

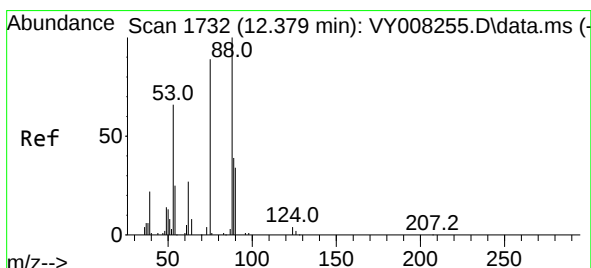
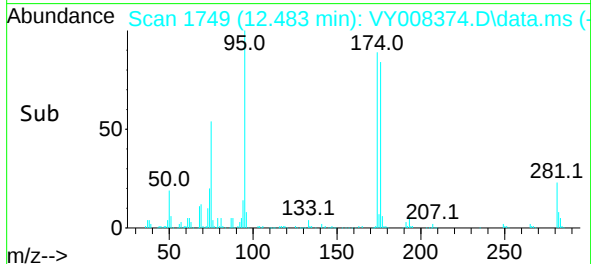
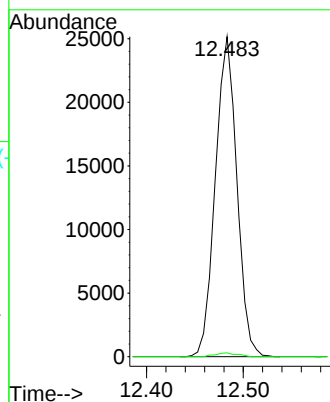
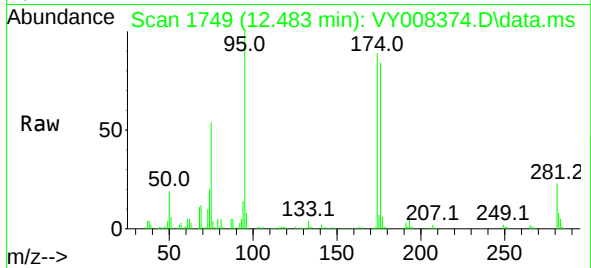




#76  
1,2,3-Trichloropropane  
Concen: 47.243 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY008374.D  
Acq: 18 Apr 2022 15:32

Instrument :  
MSVOA\_Y  
ClientSampleId :  
E13-EB1-041322-8-10

Tgt Ion: 75 Resp: 38853  
Ion Ratio Lower Upper  
75 100  
77 1.2 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 105.704 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.104 min  
Lab File: VY008374.D  
Acq: 18 Apr 2022 15:32

Tgt Ion: 75 Resp: 38853  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.9 37.0 55.4#

