

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041322\  
 Data File : VY008319.D  
 Acq On : 13 Apr 2022 17:47  
 Operator : KP/MD  
 Sample : N2368-01  
 Misc : 3.64g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 E14ST-EB3-041122-0-2

Quant Time: Apr 14 05:58:25 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

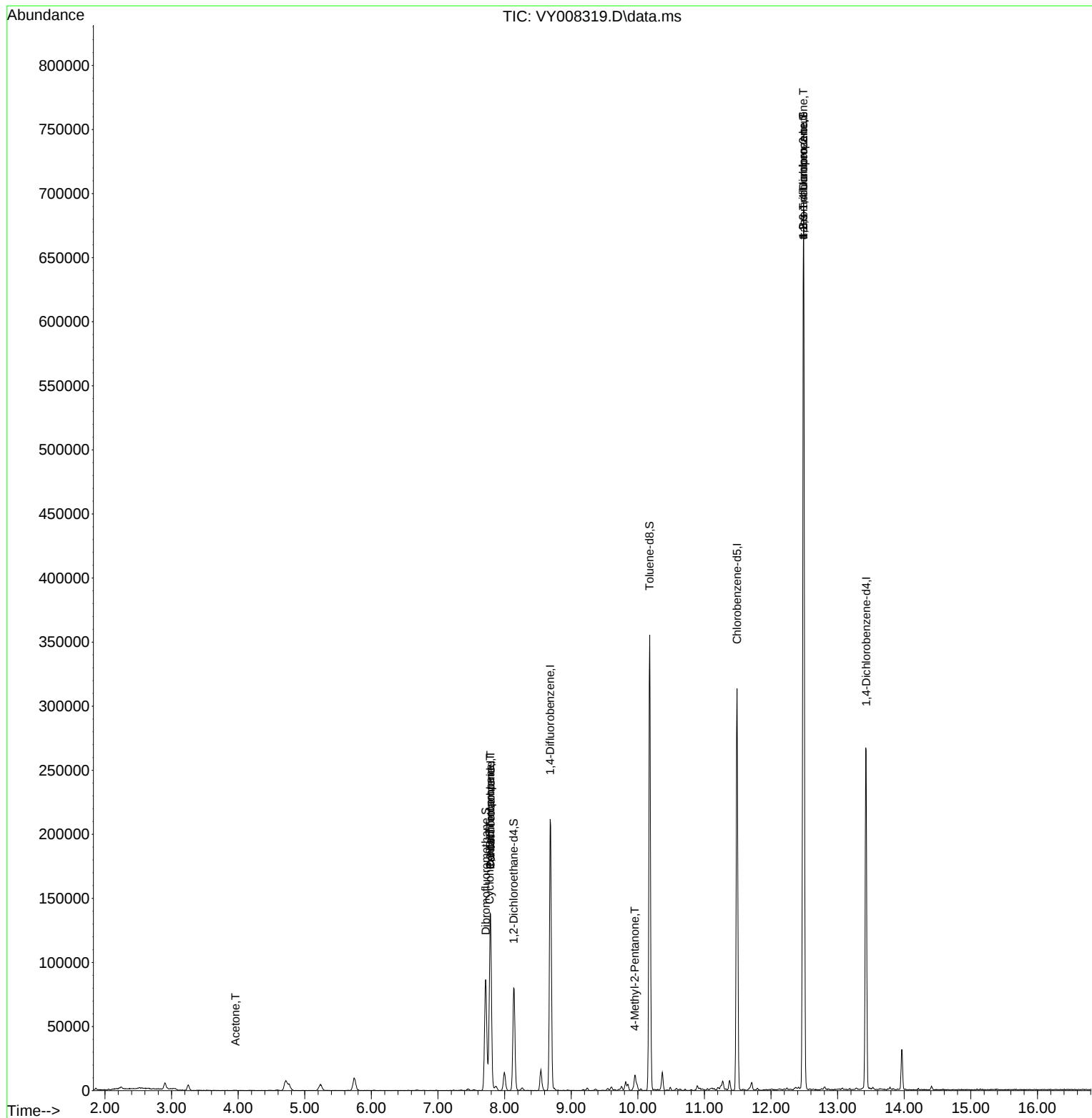
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 105914   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 193794   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 179483   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 70618    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 61682    | 62.000    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 124.000% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 61417    | 54.870    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 109.740% |          |
| 50) Toluene-d8                | 10.179 | 98    | 233442   | 60.949    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 121.900% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 76522    | 53.118    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 106.240% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.107  | 50    | 131      | Below Cal | #          | 55       |
| 5) Bromomethane               | 2.674  | 94    | 100      | Below Cal |            | 92       |
| 16) Acetone                   | 3.960  | 43    | 400      | 1.672     | ug/l #     | 47       |
| 18) Methyl Acetate            | 4.478  | 43    | 231      | Below Cal | #          | 56       |
| 20) Methylene Chloride        | 4.716  | 84    | 5545     | Below Cal | #          | 81       |
| 31) Cyclohexane               | 7.777  | 56    | 3661     | 2.035     | ug/l #     | 21       |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 8030     | 4.493     | ug/l #     | 51       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 10363    | 5.389     | ug/l #     | 14       |
| 51) 4-Methyl-2-Pentanone      | 9.953  | 43    | 5713     | 6.468     | ug/l #     | 44       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 44257    | 56.666    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 44257    | 126.788   | ug/l #     | 9        |
| -----                         |        |       |          |           |            |          |

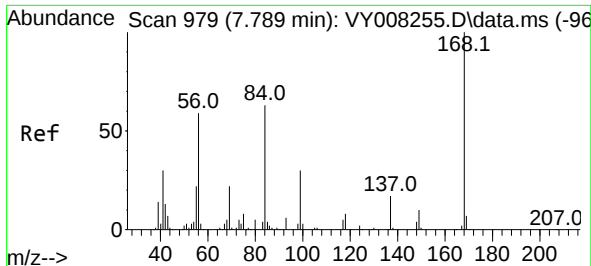
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY041322\  
Data File : VY008319.D  
Acq On : 13 Apr 2022 17:47  
Operator : KP/MD  
Sample : N2368-01  
Misc : 3.64g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
E14ST-EB3-041122-0-2

Quant Time: Apr 14 05:58:25 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

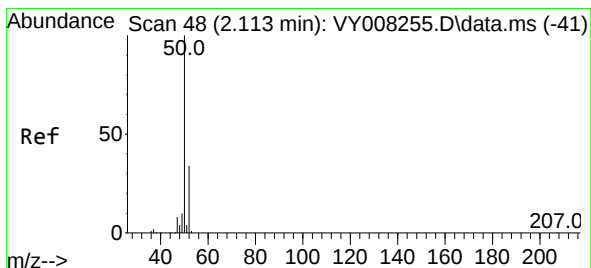
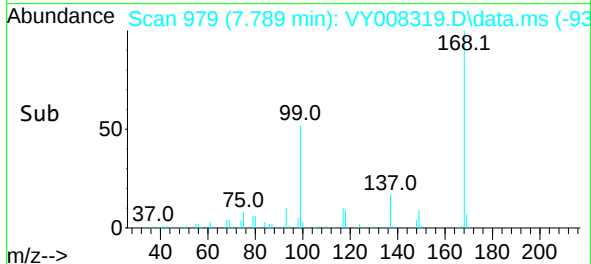
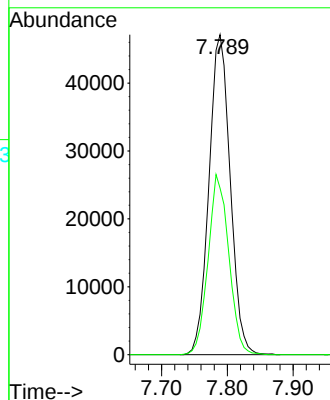
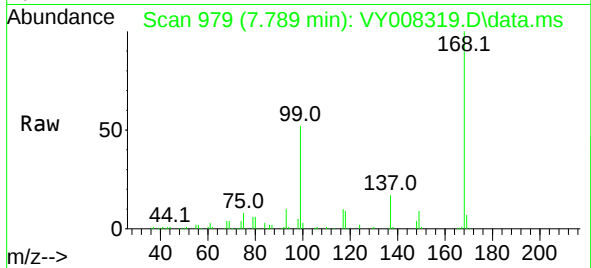




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008319.D  
Acq: 13 Apr 2022 17:47

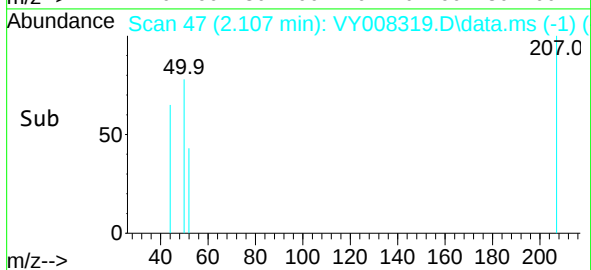
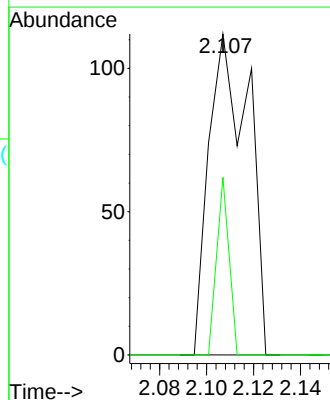
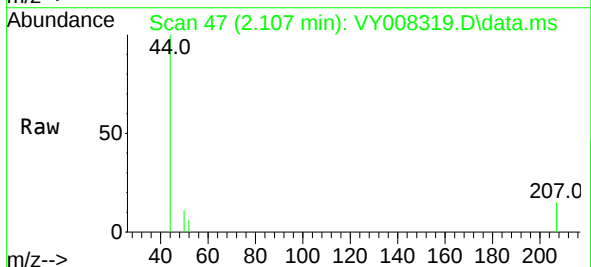
Instrument :  
MSVOA\_Y  
ClientSampleId :  
E14ST-EB3-041122-0-2

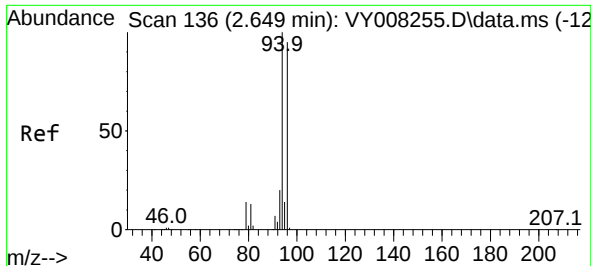
Tgt Ion:168 Resp: 105914  
Ion Ratio Lower Upper  
168 100  
99 52.1 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.107 min Scan# 47  
Delta R.T. -0.006 min  
Lab File: VY008319.D  
Acq: 13 Apr 2022 17:47

Tgt Ion: 50 Resp: 131  
Ion Ratio Lower Upper  
50 100  
52 55.4 24.6 37.0#

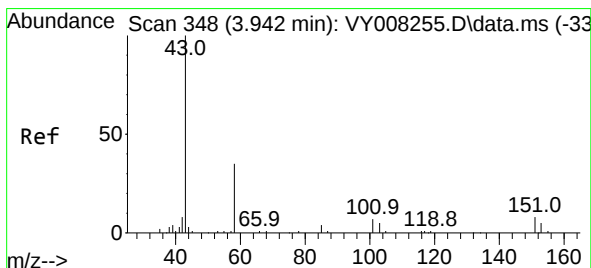
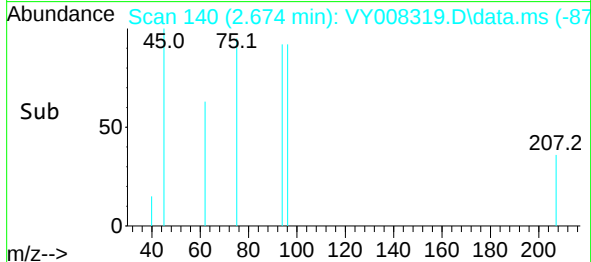
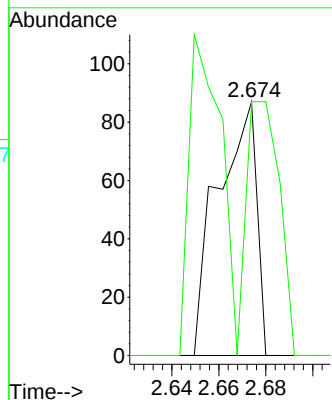
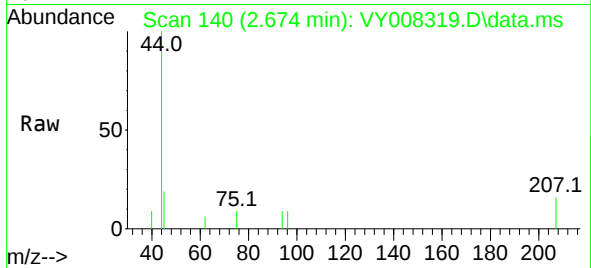




#5  
Bromomethane  
Concen: Below Cal  
RT: 2.674 min Scan# 14  
Delta R.T. 0.025 min  
Lab File: VY008319.D  
Acq: 13 Apr 2022 17:47

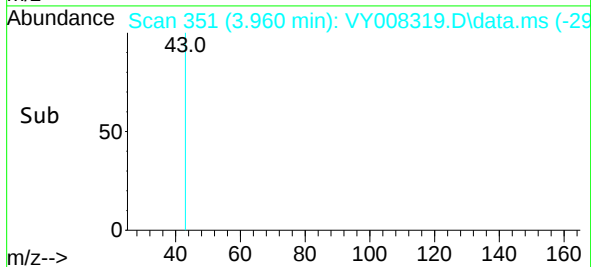
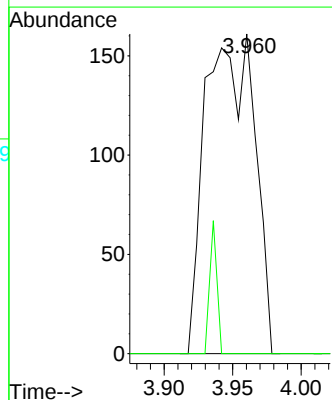
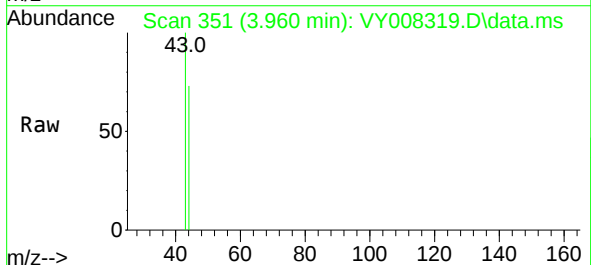
Instrument :  
MSVOA\_Y  
ClientSampleId :  
E14ST-EB3-041122-0-2

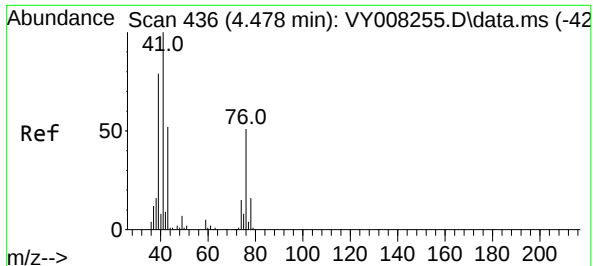
Tgt Ion: 94 Resp: 100  
Ion Ratio Lower Upper  
94 100  
96 100.0 73.5 110.3



#16  
Acetone  
Concen: 1.672 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. 0.018 min  
Lab File: VY008319.D  
Acq: 13 Apr 2022 17:47

Tgt Ion: 43 Resp: 400  
Ion Ratio Lower Upper  
43 100  
58 0.0 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.478 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY008319.D

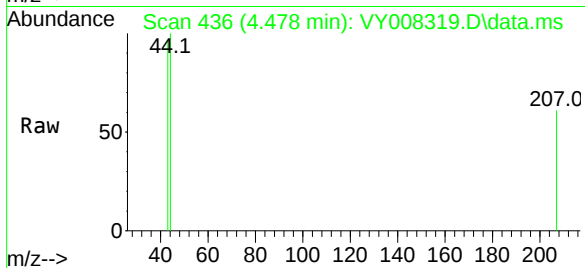
Acq: 13 Apr 2022 17:47

Instrument :

MSVOA\_Y

ClientSampleId :

E14ST-EB3-041122-0-2

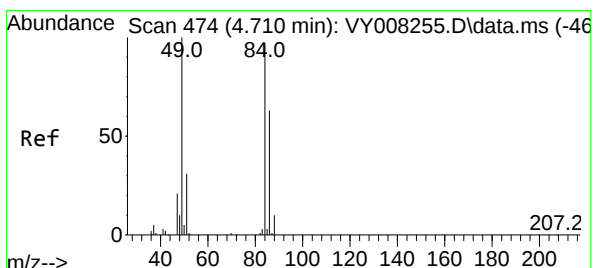
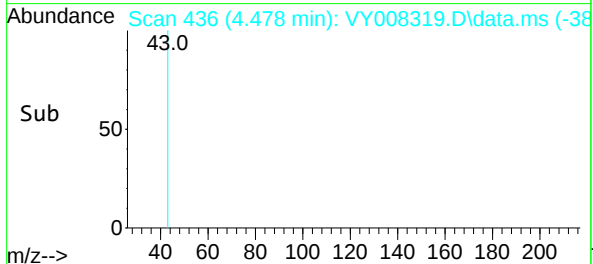
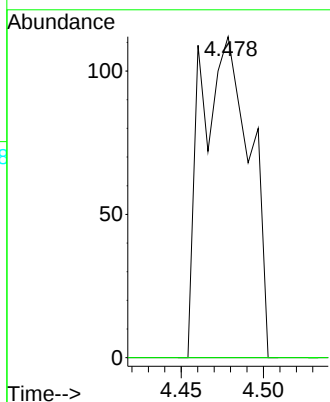


Tgt Ion: 43 Resp: 231

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: Below Cal

RT: 4.716 min Scan# 475

Delta R.T. 0.006 min

Lab File: VY008319.D

Acq: 13 Apr 2022 17:47

Tgt Ion: 84 Resp: 5545

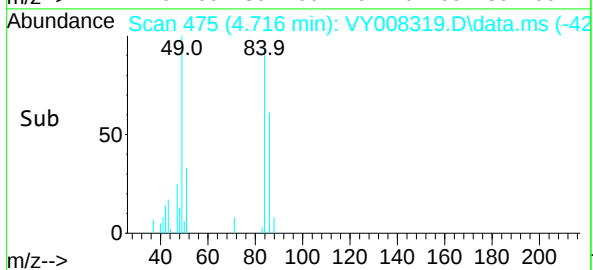
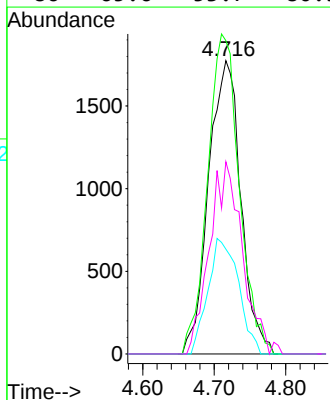
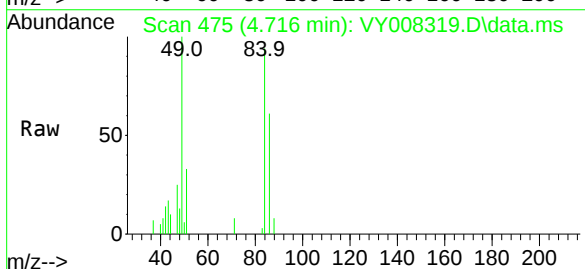
Ion Ratio Lower Upper

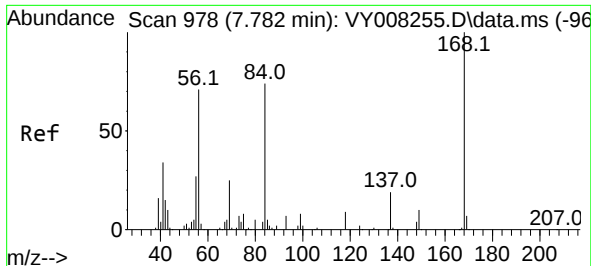
84 100

49 106.8 114.4 171.6#

51 35.7 35.3 52.9

86 65.6 53.7 80.5

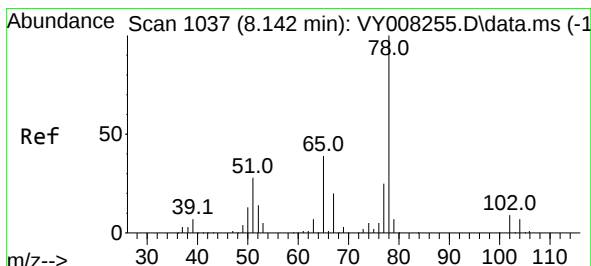
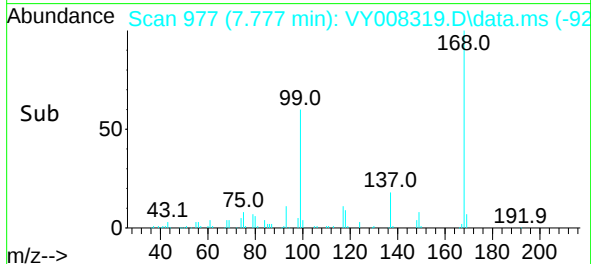
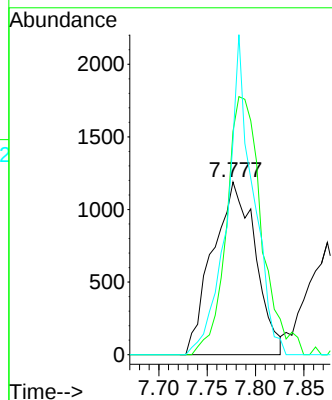
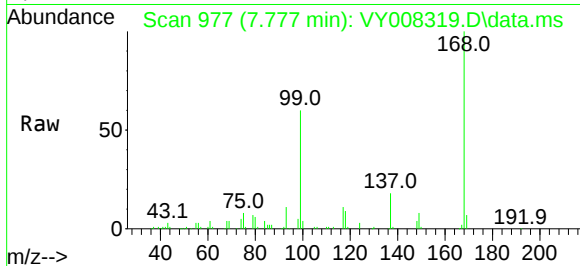




#31  
Cyclohexane  
Concen: 2.035 ug/l  
RT: 7.777 min Scan# 91  
Delta R.T. -0.005 min  
Lab File: VY008319.D  
Acq: 13 Apr 2022 17:47

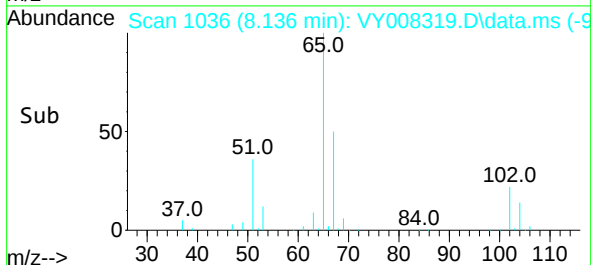
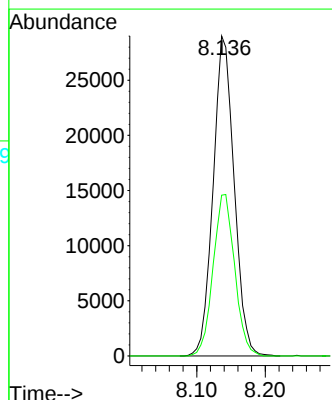
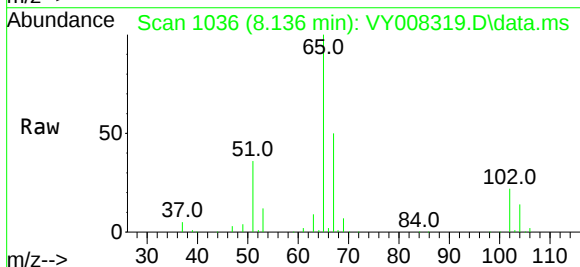
Instrument :  
MSVOA\_Y  
ClientSampleId :  
E14ST-EB3-041122-0-2

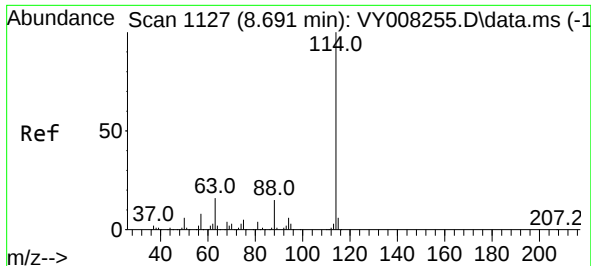
Tgt Ion: 56 Resp: 3661  
Ion Ratio Lower Upper  
56 100  
69 129.4 26.7 40.1#  
84 123.7 67.2 100.8#



#33  
1,2-Dichloroethane-d4  
Concen: 62.000 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.006 min  
Lab File: VY008319.D  
Acq: 13 Apr 2022 17:47

Tgt Ion: 65 Resp: 61682  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY008319.D

Acq: 13 Apr 2022 17:47

Instrument :

MSVOA\_Y

ClientSampleId :

E14ST-EB3-041122-0-2

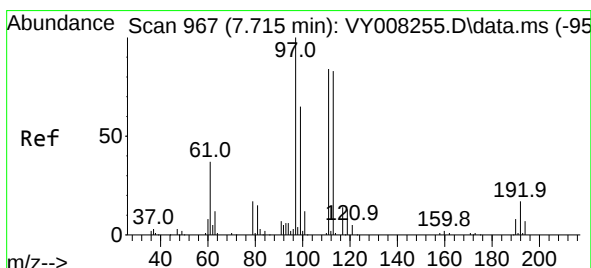
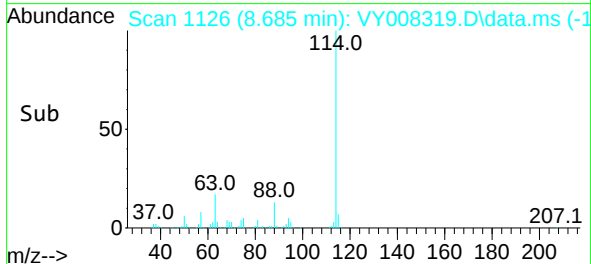
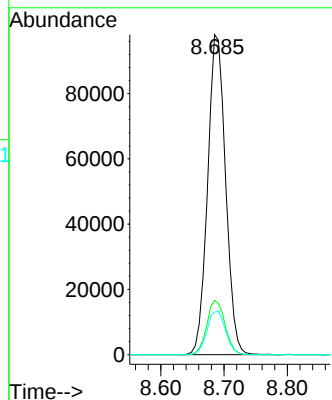
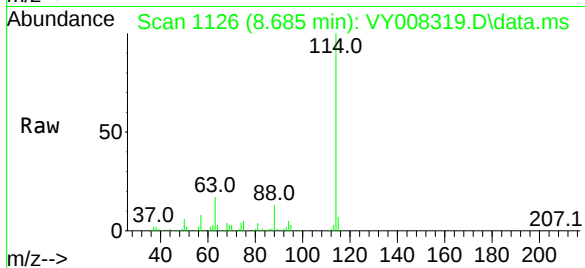
Tgt Ion:114 Resp: 193794

Ion Ratio Lower Upper

114 100

63 16.9 0.0 43.2

88 13.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 54.870 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.001 min

Lab File: VY008319.D

Acq: 13 Apr 2022 17:47

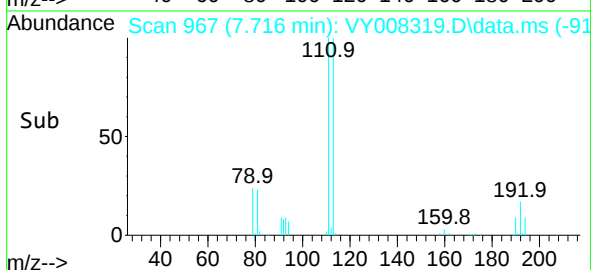
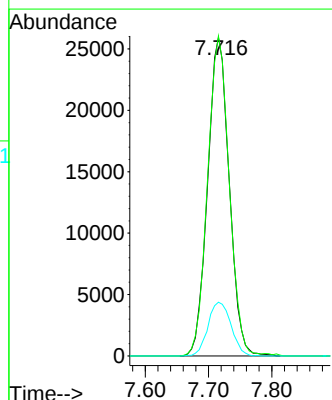
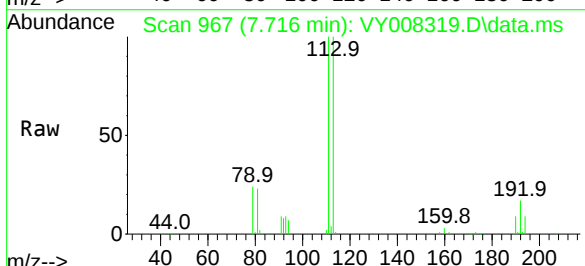
Tgt Ion:113 Resp: 61417

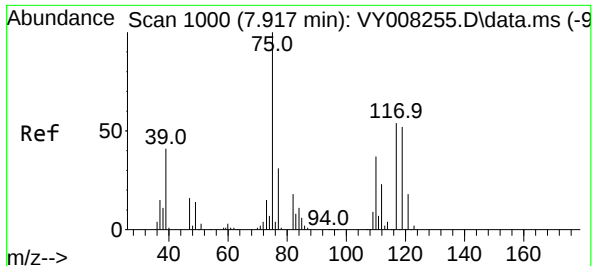
Ion Ratio Lower Upper

113 100

111 100.8 82.6 124.0

192 18.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.493 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY008319.D

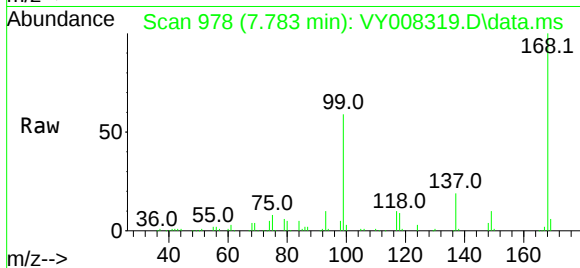
Acq: 13 Apr 2022 17:47

Instrument :

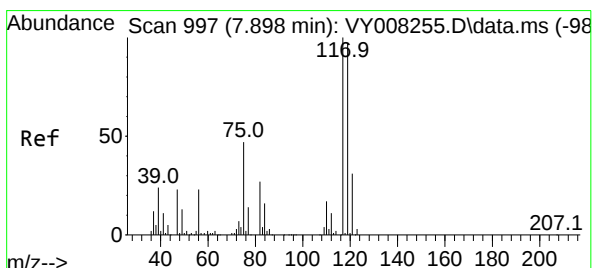
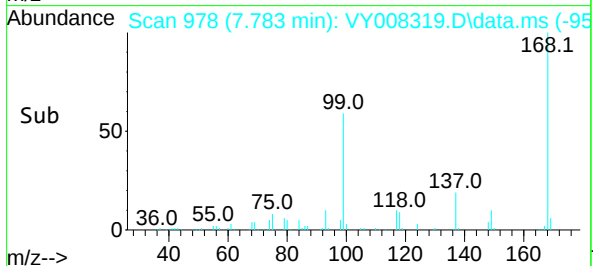
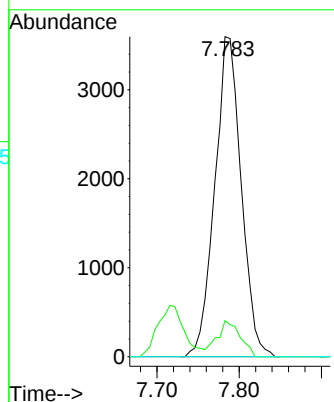
MSVOA\_Y

ClientSampleId :

E14ST-EB3-041122-0-2



|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 8030     |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 9.8 17.1 51.2# |
| 77          | 0.0 24.4 36.6# |



#38

Carbon Tetrachloride

Concen: 5.389 ug/l

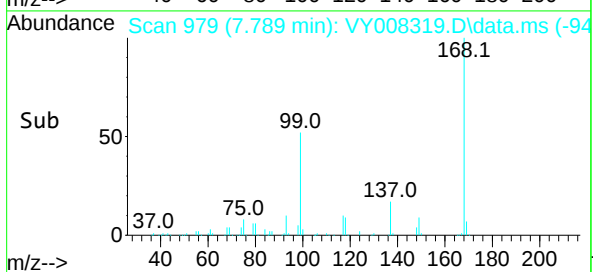
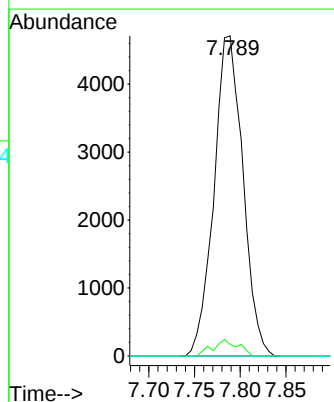
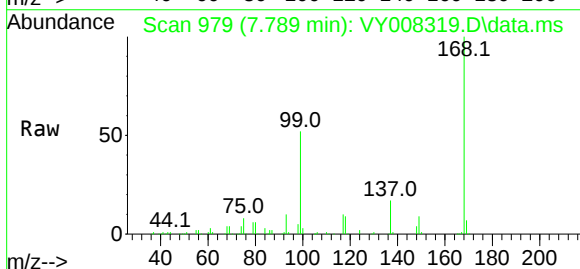
RT: 7.789 min Scan# 979

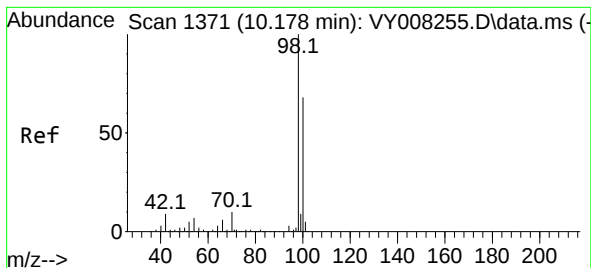
Delta R.T. -0.109 min

Lab File: VY008319.D

Acq: 13 Apr 2022 17:47

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 10363     |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 3.6 77.9 116.9# |
| 121          | 0.0 24.8 37.2#  |





#50

Toluene-d8

Concen: 60.949 ug/l

RT: 10.179 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY008319.D

Acq: 13 Apr 2022 17:47

Instrument :

MSVOA\_Y

ClientSampleId :

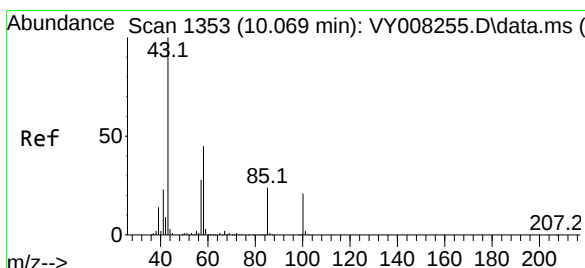
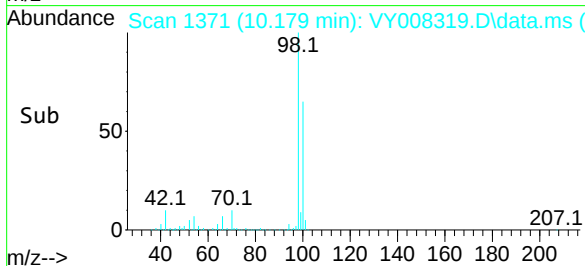
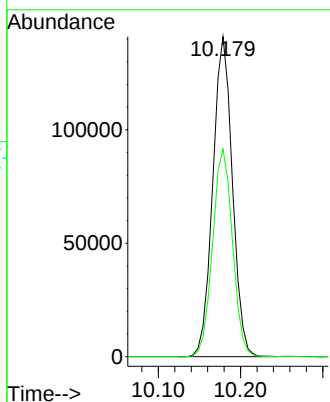
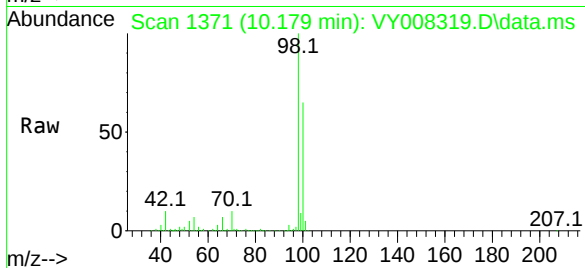
E14ST-EB3-041122-0-2

Tgt Ion: 98 Resp: 233442

Ion Ratio Lower Upper

98 100

100 65.9 50.2 75.2



#51

4-Methyl-2-Pentanone

Concen: 6.468 ug/l

RT: 9.953 min Scan# 1334

Delta R.T. -0.116 min

Lab File: VY008319.D

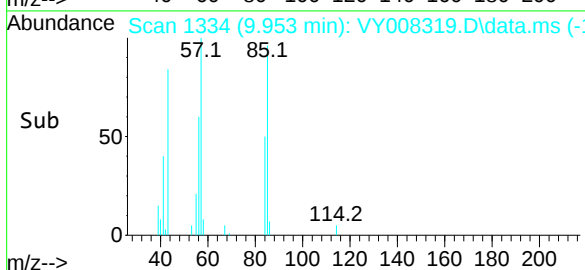
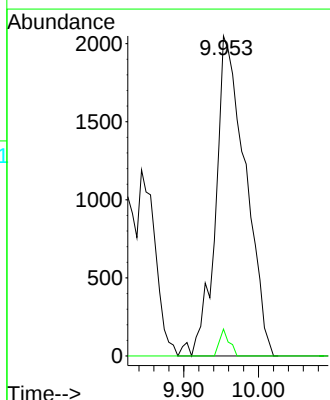
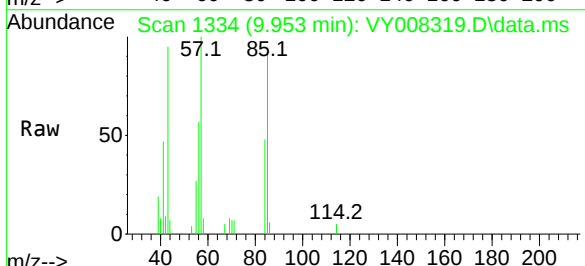
Acq: 13 Apr 2022 17:47

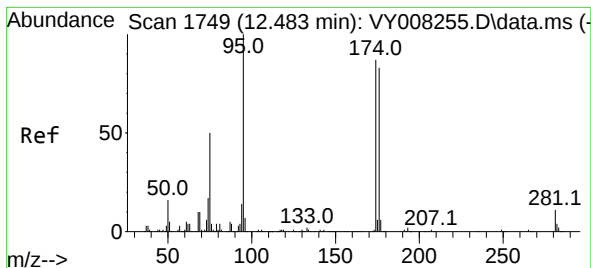
Tgt Ion: 43 Resp: 5713

Ion Ratio Lower Upper

43 100

58 2.7 28.1 42.1#





#62

4-Bromofluorobenzene

Concen: 53.118 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY008319.D

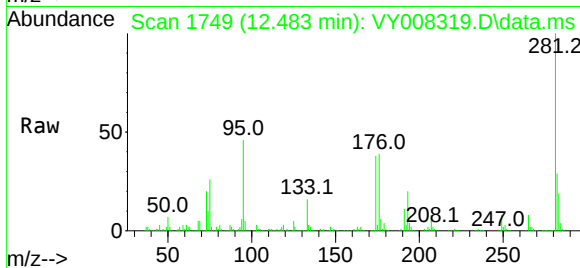
Acq: 13 Apr 2022 17:47

Instrument :

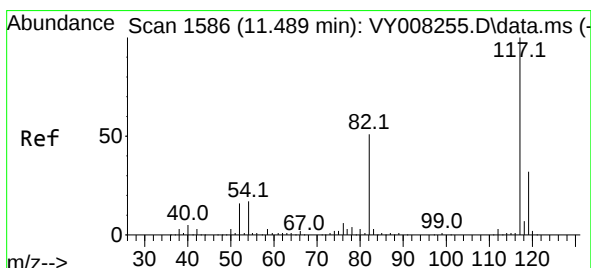
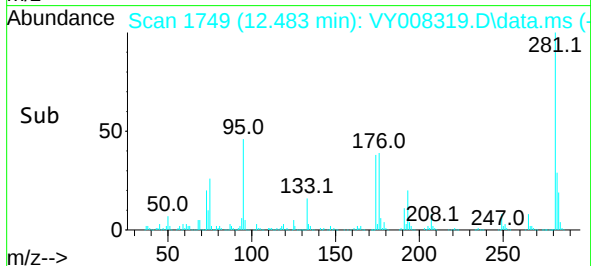
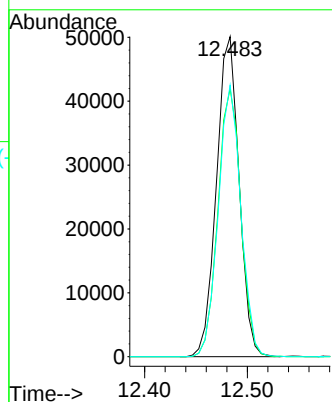
MSVOA\_Y

ClientSampleId :

E14ST-EB3-041122-0-2



|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 95    | Resp: | 76522 |
| Ion Ratio | Lower | Upper |       |
| 95        | 100   |       |       |
| 174       | 84.7  | 0.0   | 177.0 |
| 176       | 84.6  | 0.0   | 175.8 |



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

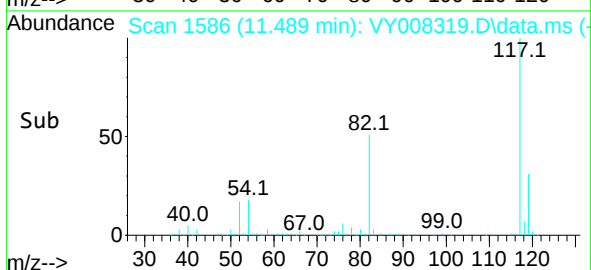
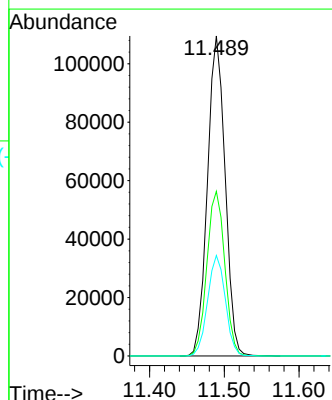
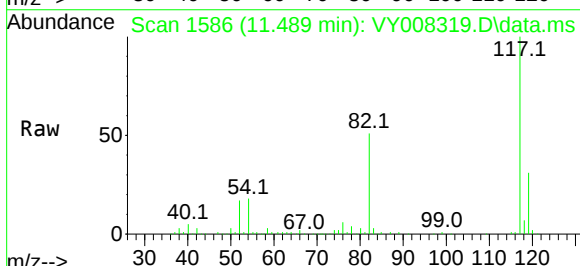
RT: 11.489 min Scan# 1586

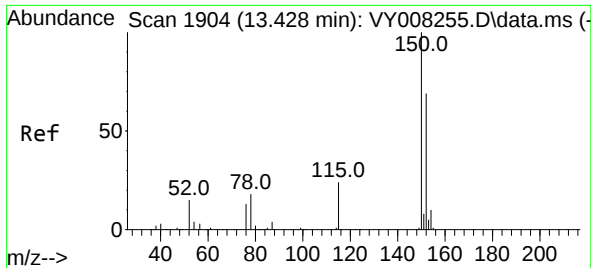
Delta R.T. 0.000 min

Lab File: VY008319.D

Acq: 13 Apr 2022 17:47

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 179483 |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 82        | 51.5  | 43.0  | 64.4   |
| 119       | 31.4  | 25.4  | 38.0   |

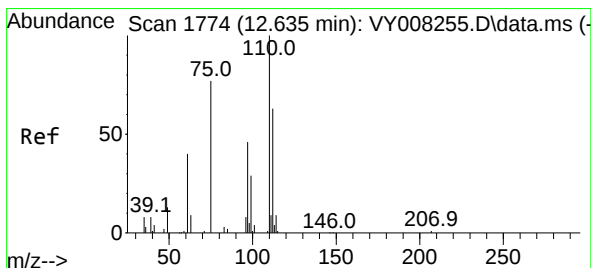
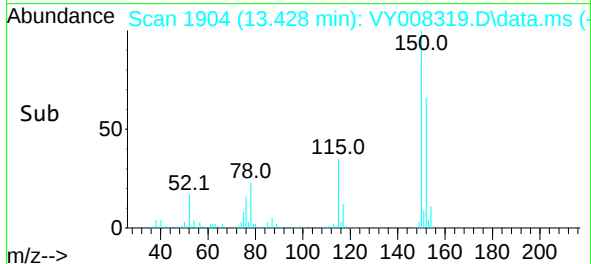
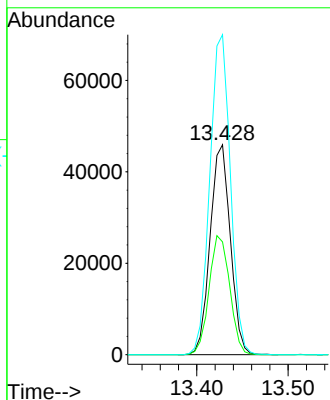
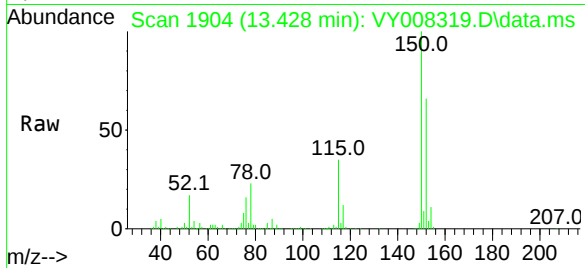




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. 0.000 min  
 Lab File: VY008319.D  
 Acq: 13 Apr 2022 17:47

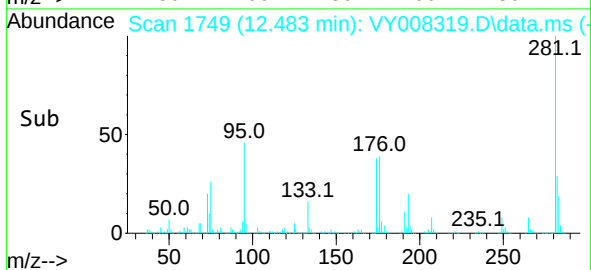
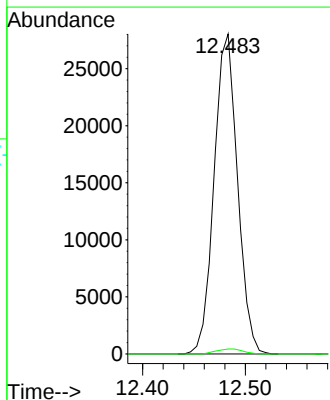
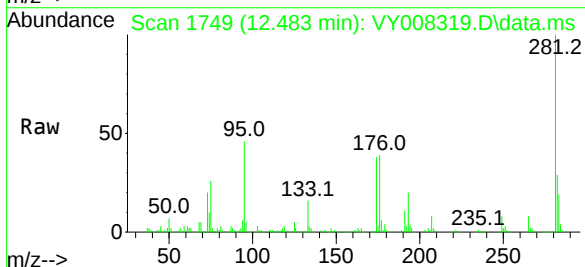
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 E14ST-EB3-041122-0-2

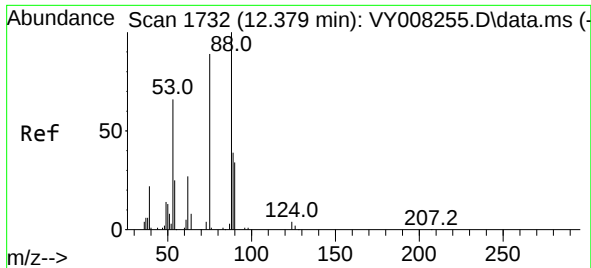
Tgt Ion:152 Resp: 70618  
 Ion Ratio Lower Upper  
 152 100  
 115 57.9 28.2 84.7  
 150 155.0 0.0 347.6



#76  
 1,2,3-Trichloropropane  
 Concen: 56.666 ug/l  
 RT: 12.483 min Scan# 1749  
 Delta R.T. -0.152 min  
 Lab File: VY008319.D  
 Acq: 13 Apr 2022 17:47

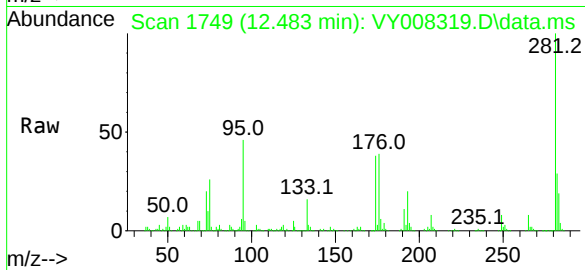
Tgt Ion: 75 Resp: 44257  
 Ion Ratio Lower Upper  
 75 100  
 77 1.8 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 126.788 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY008319.D  
 Acq: 13 Apr 2022 17:47

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 E14ST-EB3-041122-0-2



Tgt Ion: 75 Resp: 44257  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 3.9 37.0 55.4#

