

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050422\  
 Data File : VY008618.D  
 Acq On : 04 May 2022 17:34  
 Operator : KP/MD  
 Sample : N2619-13  
 Misc : 4.49g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SS06-1-2-FT

Quant Time: May 05 04:37:12 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050222S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue May 03 01:57:20 2022  
 Response via : Initial Calibration

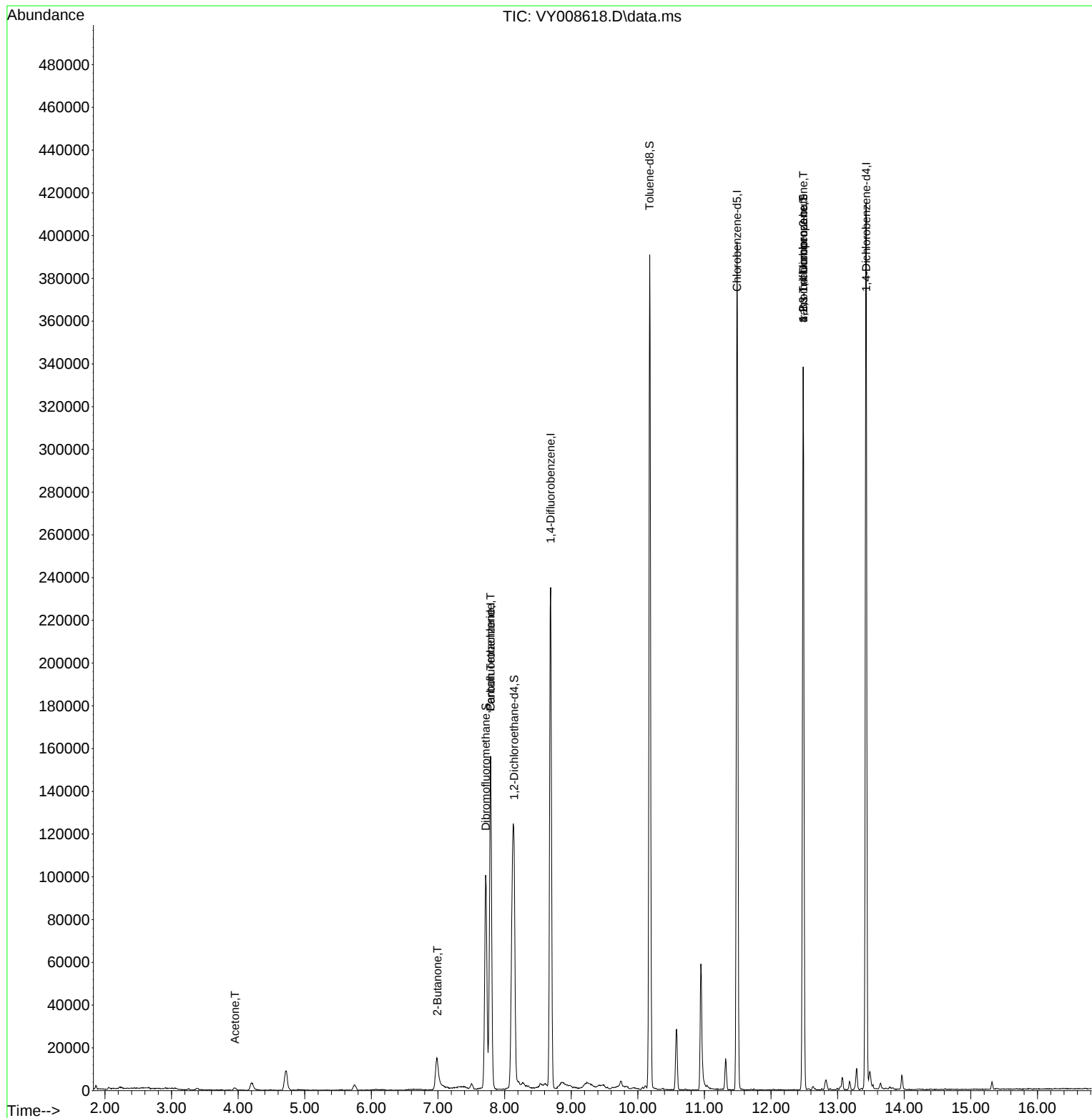
| Compound                      | R.T. QIon |       | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|-----------|------------|----------|
| -----                         |           |       |          |           |            |          |
| Internal Standards            |           |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.789     | 168   | 129160   | 50.000    | ug/l       | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.691     | 114   | 222126   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.489    | 117   | 233210   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 113735   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142     | 65    | 63608    | 50.670    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery  | = 101.340% |          |
| 35) Dibromofluoromethane      | 7.716     | 113   | 70724    | 48.118    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery  | = 96.240%  |          |
| 50) Toluene-d8                | 10.179    | 98    | 268460   | 51.555    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery  | = 103.120% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 97871    | 51.280    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery  | = 102.560% |          |
| Target Compounds              |           |       |          |           |            |          |
|                               |           |       |          |           | Qvalue     |          |
| 5) Bromomethane               | 2.656     | 94    | 65       | Below Cal | #          | 61       |
| 11) Tert butyl alcohol        | 4.923     | 59    | 235      | Below Cal | #          | 77       |
| 16) Acetone                   | 3.954     | 43    | 2020     | 7.468     | ug/l #     | 81       |
| 18) Methyl Acetate            | 4.478     | 43    | 437      | Below Cal | #          | 65       |
| 20) Methylene Chloride        | 4.710     | 84    | 7840     | Below Cal | #          | 73       |
| 25) 2-Butanone                | 6.990     | 43    | 901      | 2.075     | ug/l #     | 90       |
| 38) Carbon Tetrachloride      | 7.789     | 117   | 11210    | 4.299     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 47051    | 38.754    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 47051    | 78.570    | ug/l #     | 7        |
| -----                         |           |       |          |           |            |          |

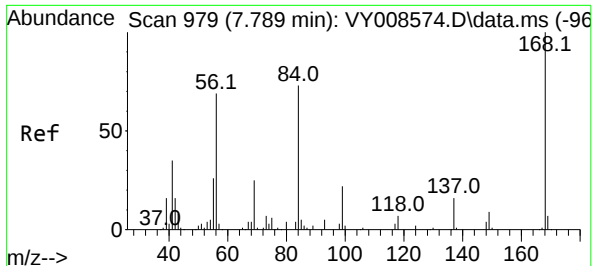
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY050422\  
Data File : VY008618.D  
Acq On : 04 May 2022 17:34  
Operator : KP/MD  
Sample : N2619-13  
Misc : 4.49g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS06-1-2-FT

Quant Time: May 05 04:37:12 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y050222S.M  
Quant Title : SW846 8260  
QLast Update : Tue May 03 01:57:20 2022  
Response via : Initial Calibration

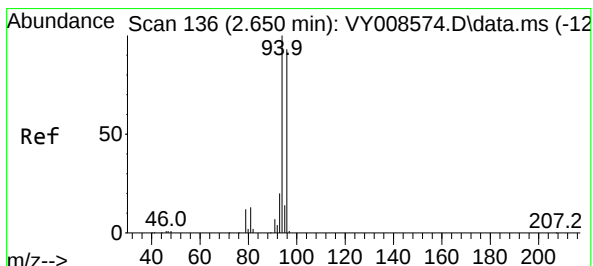
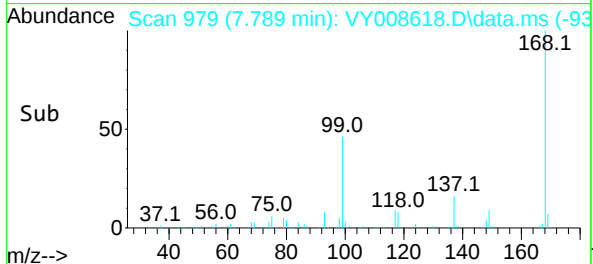
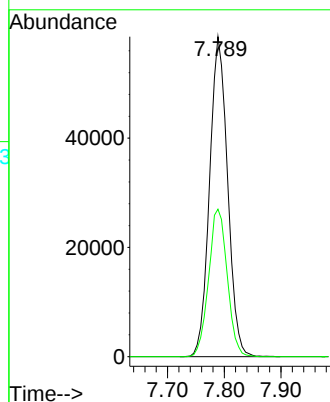
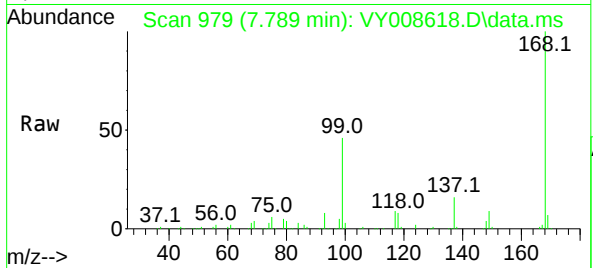




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008618.D  
Acq: 04 May 2022 17:34

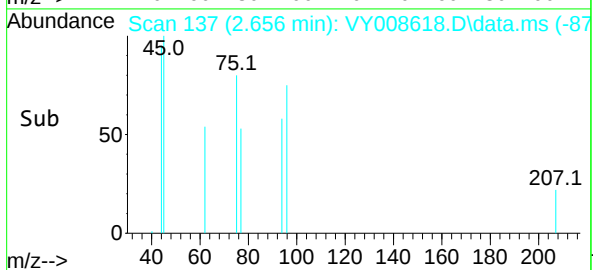
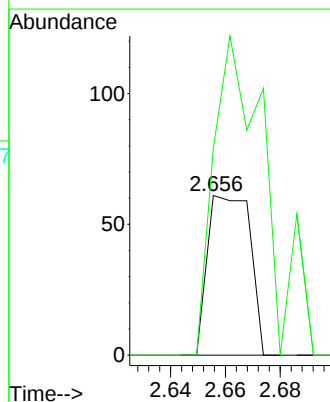
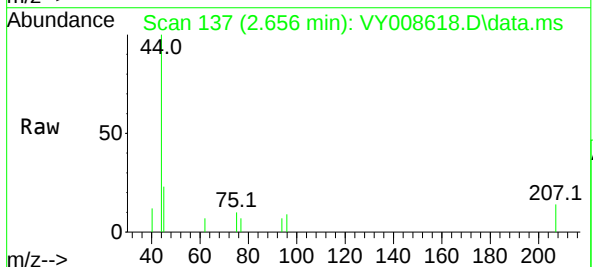
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS06-1-2-FT

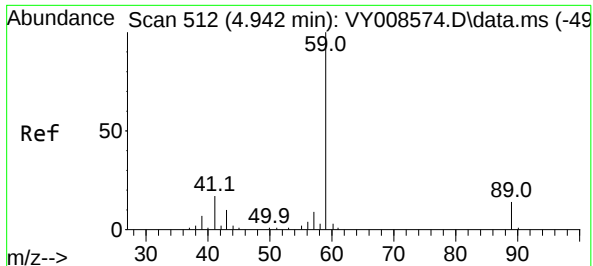
Tgt Ion:168 Resp: 129160  
Ion Ratio Lower Upper  
168 100  
99 46.1 46.9 70.3#



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.656 min Scan# 137  
Delta R.T. 0.006 min  
Lab File: VY008618.D  
Acq: 04 May 2022 17:34

Tgt Ion: 94 Resp: 65  
Ion Ratio Lower Upper  
94 100  
96 129.5 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.923 min Scan# 50

Delta R.T. -0.019 min

Lab File: VY008618.D

Acq: 04 May 2022 17:34

Instrument :

MSVOA\_Y

ClientSampleId :

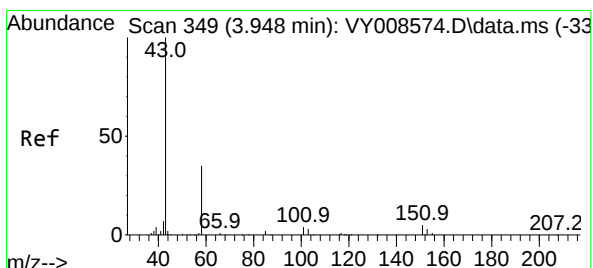
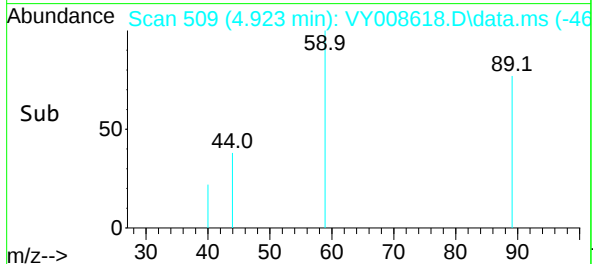
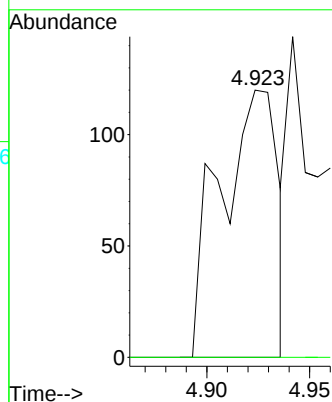
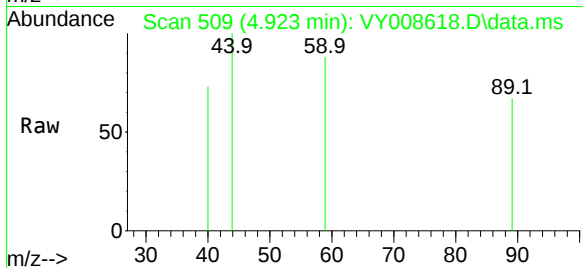
SS06-1-2-FT

Tgt Ion: 59 Resp: 235

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 7.468 ug/l

RT: 3.954 min Scan# 350

Delta R.T. 0.006 min

Lab File: VY008618.D

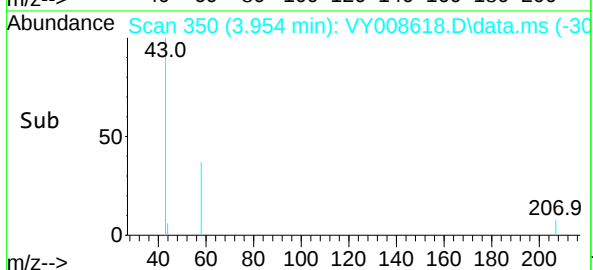
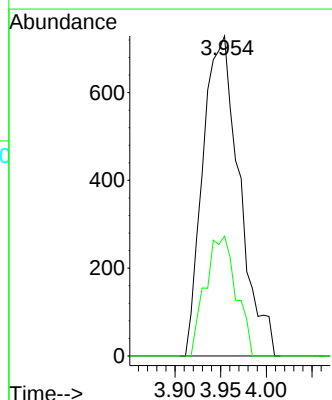
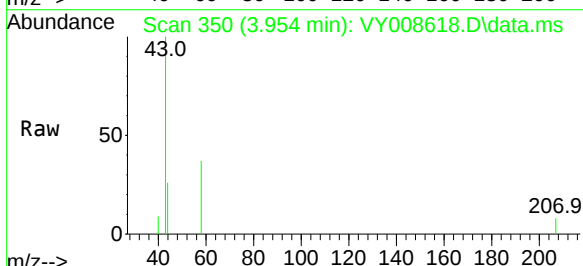
Acq: 04 May 2022 17:34

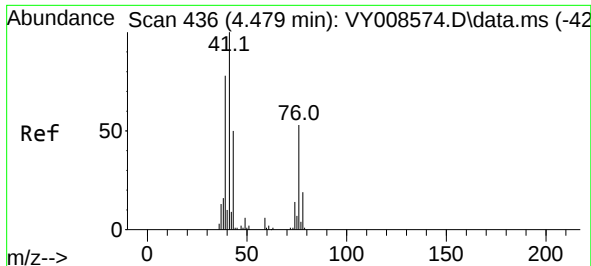
Tgt Ion: 43 Resp: 2020

Ion Ratio Lower Upper

43 100

58 37.4 22.0 33.0#

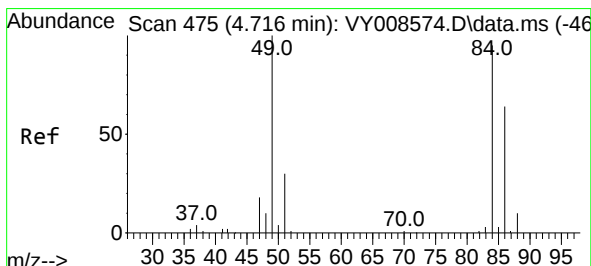
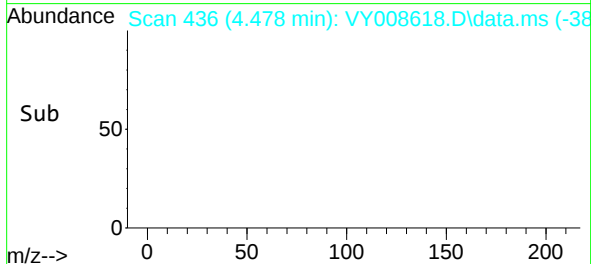
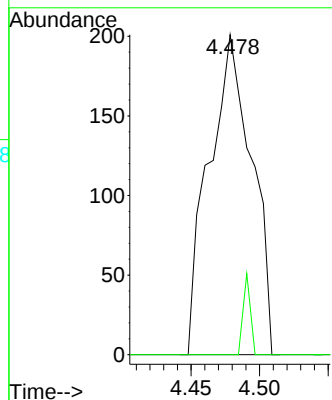
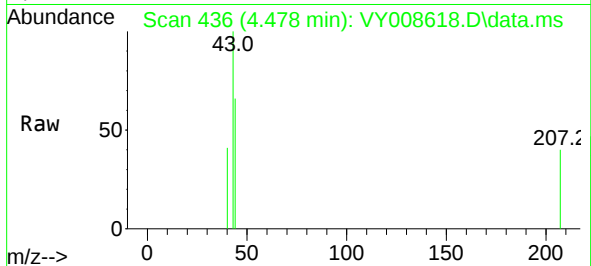




#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.478 min Scan# 41  
Delta R.T. -0.001 min  
Lab File: VY008618.D  
Acq: 04 May 2022 17:34

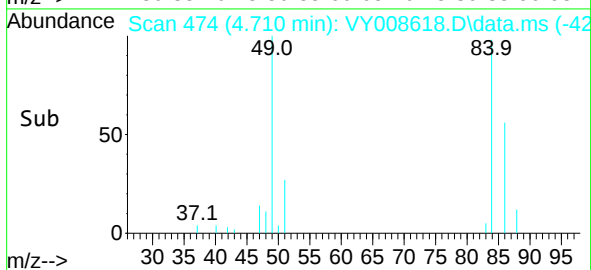
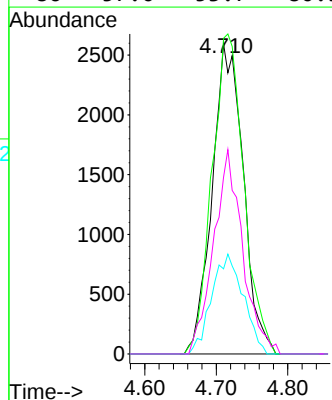
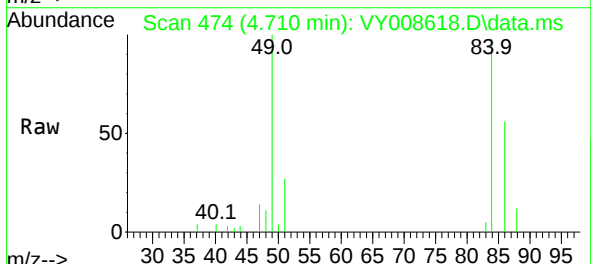
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS06-1-2-FT

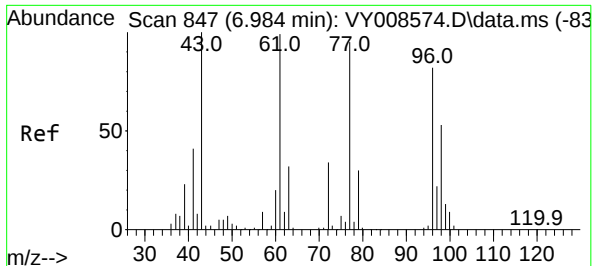
Tgt Ion: 43 Resp: 437  
Ion Ratio Lower Upper  
43 100  
74 4.3 16.6 24.8#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.710 min Scan# 474  
Delta R.T. -0.006 min  
Lab File: VY008618.D  
Acq: 04 May 2022 17:34

Tgt Ion: 84 Resp: 7840  
Ion Ratio Lower Upper  
84 100  
49 101.8 114.4 171.6#  
51 27.5 35.3 52.9#  
86 57.0 53.7 80.5





#25

2-Butanone

Concen: 2.075 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY008618.D

Acq: 04 May 2022 17:34

Instrument :

MSVOA\_Y

ClientSampleId :

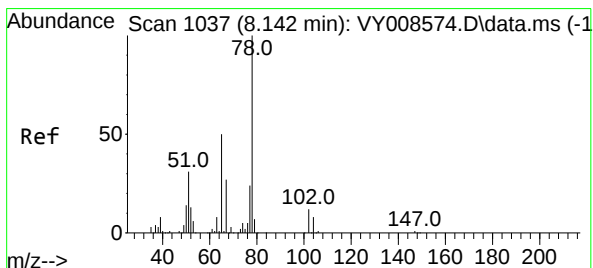
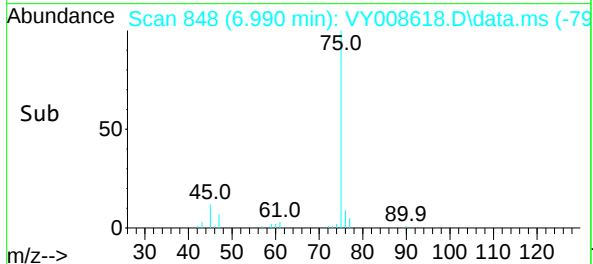
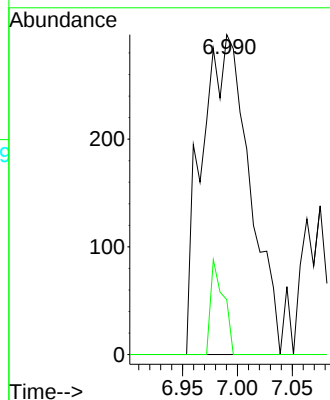
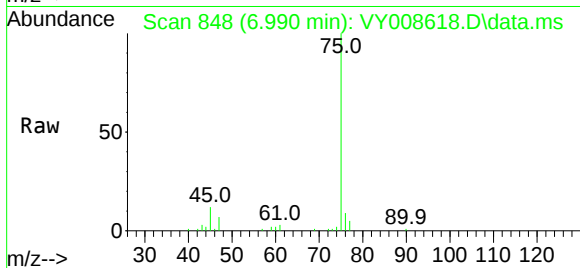
SS06-1-2-FT

Tgt Ion: 43 Resp: 901

Ion Ratio Lower Upper

43 100

72 17.2 17.7 26.5#



#33

1,2-Dichloroethane-d4

Concen: 50.670 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY008618.D

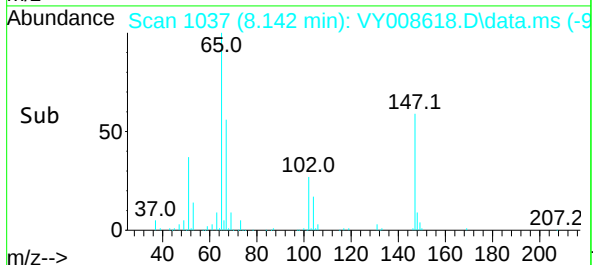
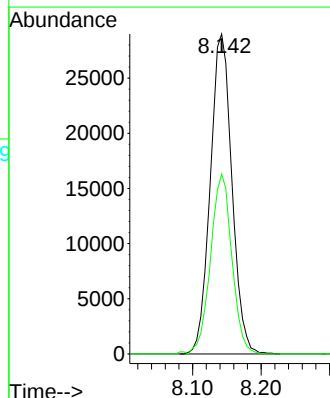
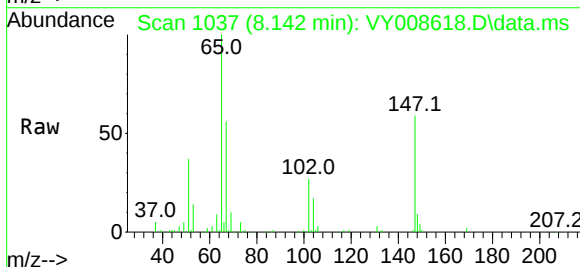
Acq: 04 May 2022 17:34

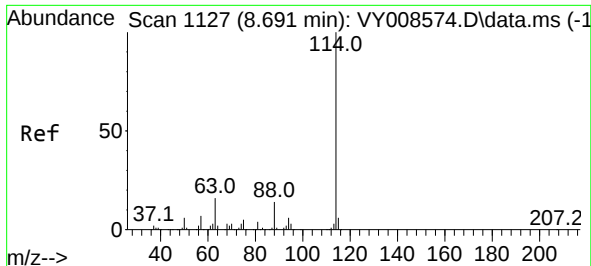
Tgt Ion: 65 Resp: 63608

Ion Ratio Lower Upper

65 100

67 55.5 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: VY008618.D

Acq: 04 May 2022 17:34

Instrument :

MSVOA\_Y

ClientSampleId :

SS06-1-2-FT

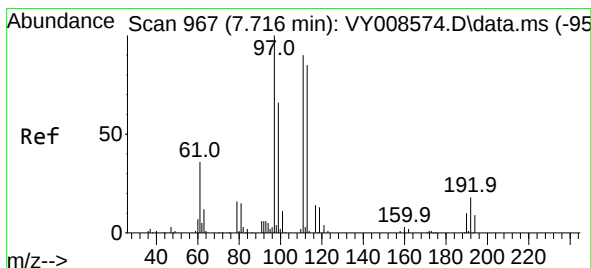
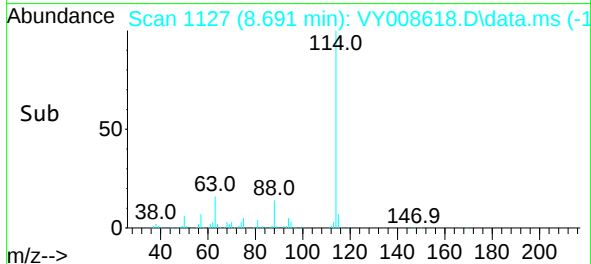
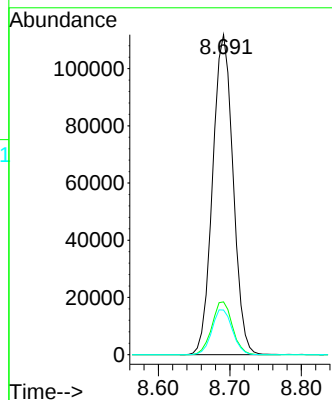
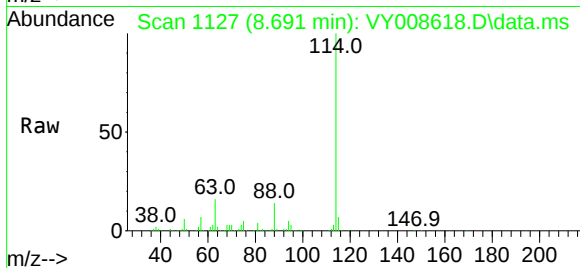
Tgt Ion:114 Resp: 222126

Ion Ratio Lower Upper

114 100

63 16.5 0.0 43.2

88 14.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 48.118 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY008618.D

Acq: 04 May 2022 17:34

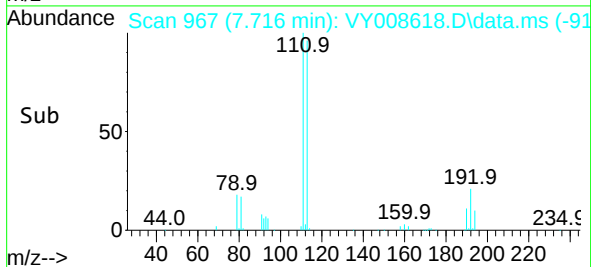
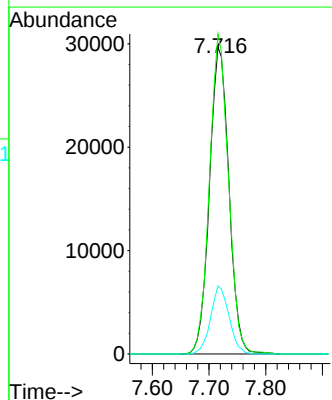
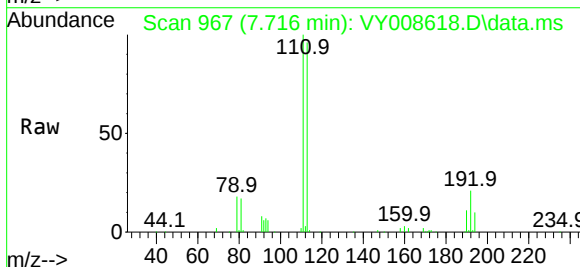
Tgt Ion:113 Resp: 70724

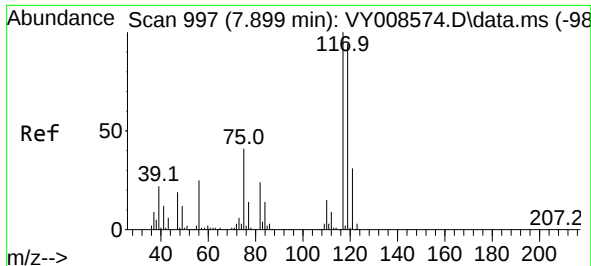
Ion Ratio Lower Upper

113 100

111 101.8 82.6 124.0

192 21.0 17.6 26.4

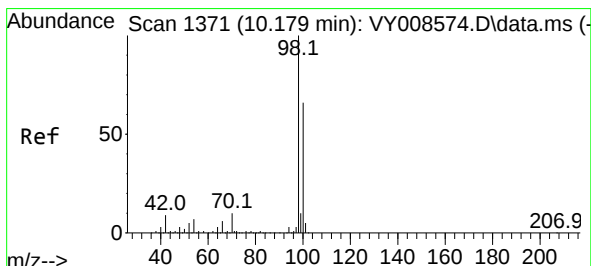
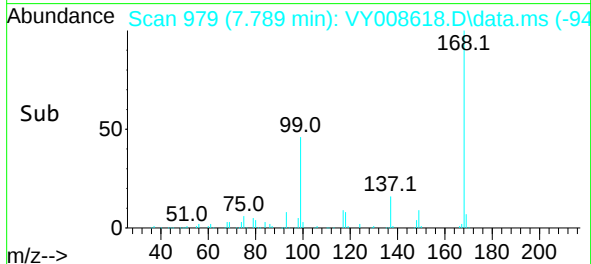
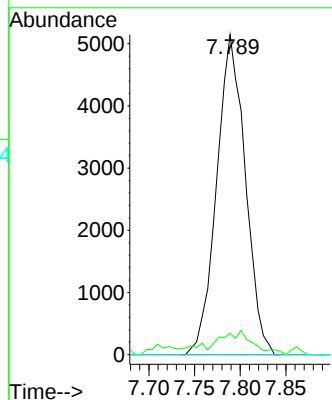
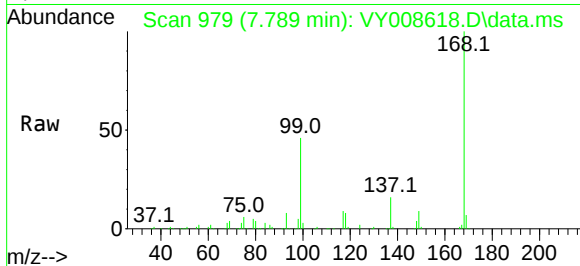




#38  
Carbon Tetrachloride  
Concen: 4.299 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY008618.D  
Acq: 04 May 2022 17:34

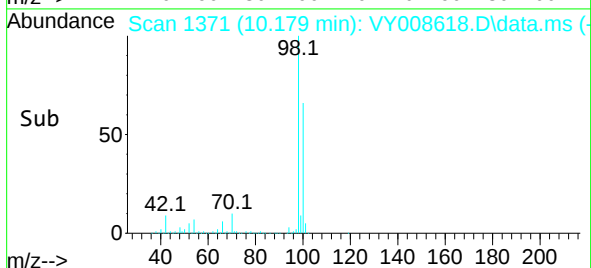
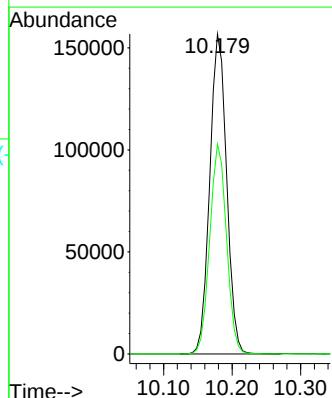
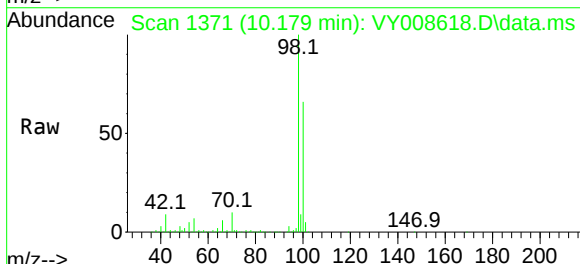
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS06-1-2-FT

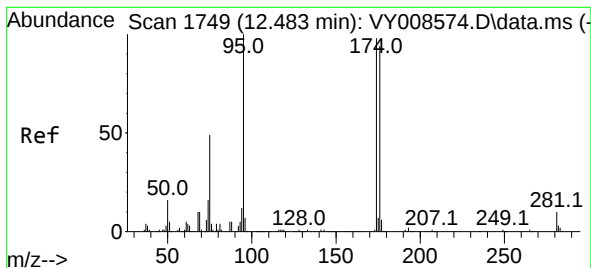
Tgt Ion:117 Resp: 11210  
Ion Ratio Lower Upper  
117 100  
119 5.6 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 51.555 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008618.D  
Acq: 04 May 2022 17:34

Tgt Ion: 98 Resp: 268460  
Ion Ratio Lower Upper  
98 100  
100 65.2 50.2 75.2

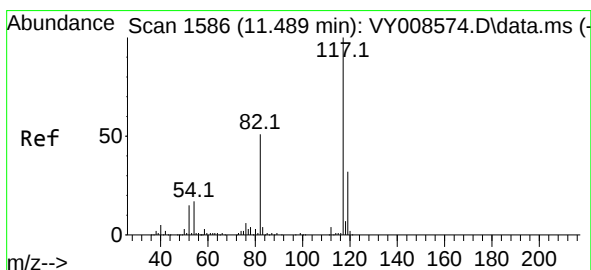
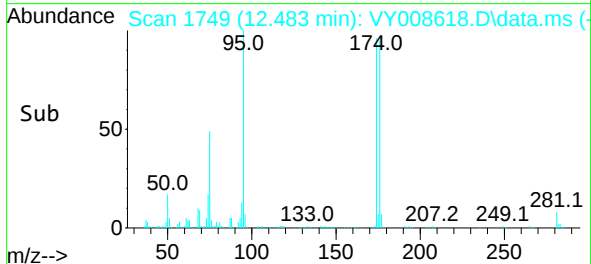
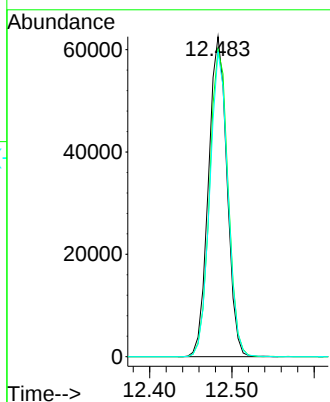
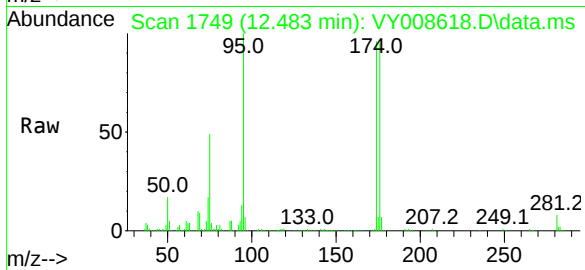




#62  
4-Bromofluorobenzene  
Concen: 51.280 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY008618.D  
Acq: 04 May 2022 17:34

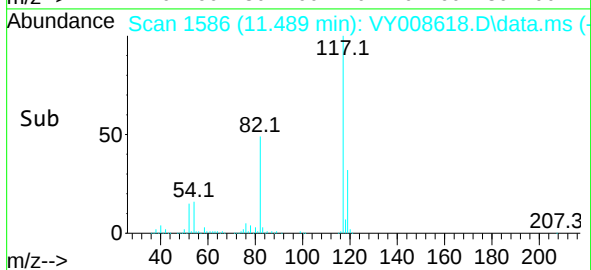
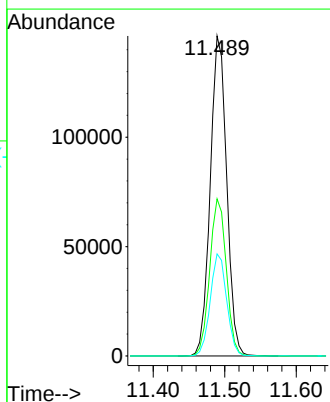
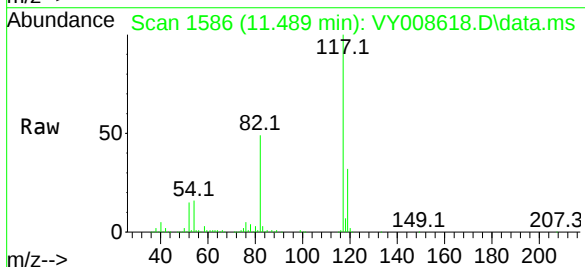
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS06-1-2-FT

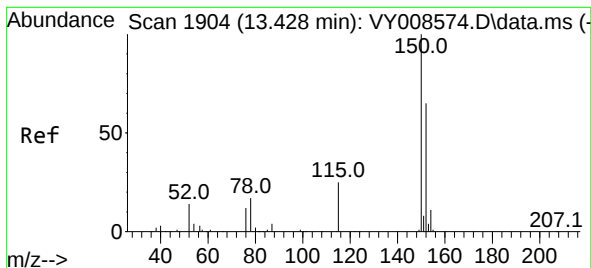
Tgt Ion: 95 Resp: 97871  
Ion Ratio Lower Upper  
95 100  
174 96.2 0.0 177.0  
176 93.1 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY008618.D  
Acq: 04 May 2022 17:34

Tgt Ion: 117 Resp: 233210  
Ion Ratio Lower Upper  
117 100  
82 49.1 43.0 64.4  
119 31.9 25.4 38.0

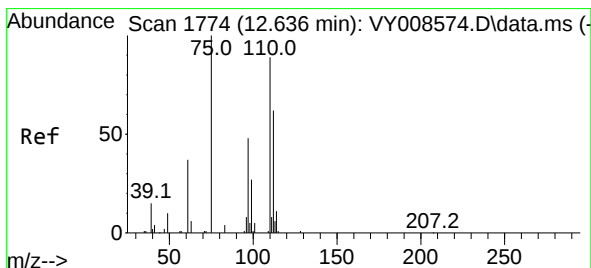
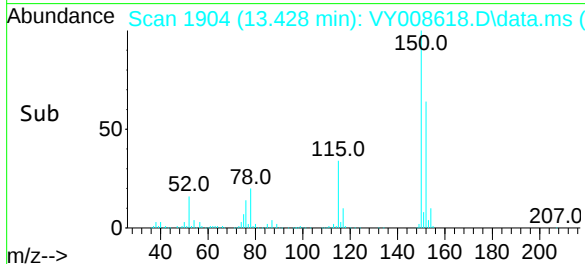
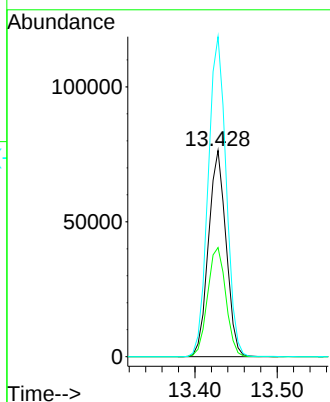
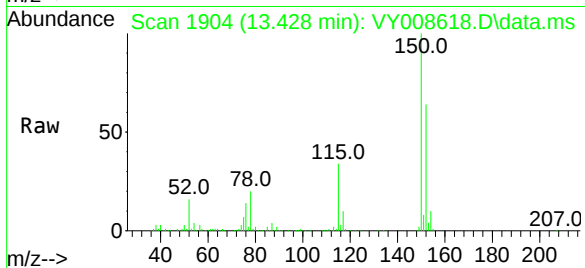




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY008618.D  
Acq: 04 May 2022 17:34

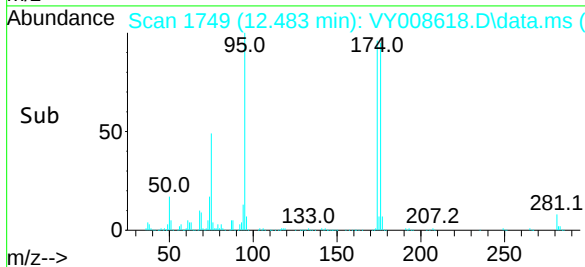
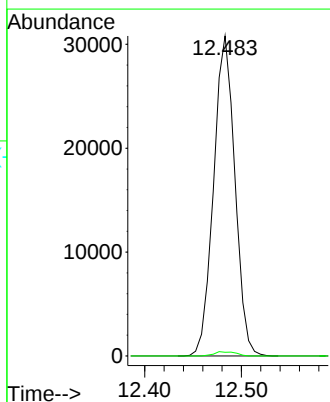
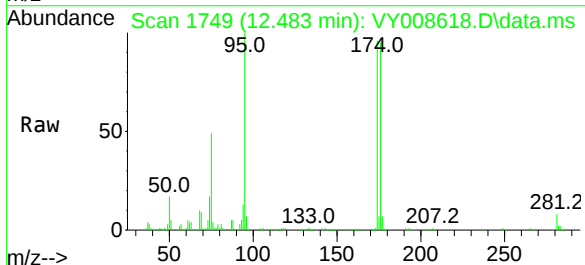
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SS06-1-2-FT

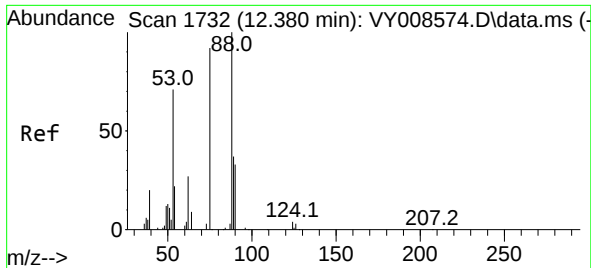
Tgt Ion:152 Resp: 113735  
Ion Ratio Lower Upper  
152 100  
115 54.9 28.2 84.7  
150 158.7 0.0 347.6



#76  
1,2,3-Trichloropropane  
Concen: 38.754 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.152 min  
Lab File: VY008618.D  
Acq: 04 May 2022 17:34

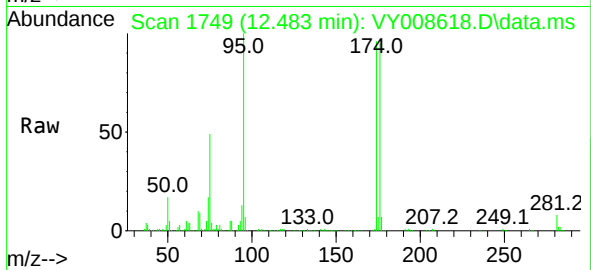
Tgt Ion: 75 Resp: 47051  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 78.570 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.104 min  
 Lab File: VY008618.D  
 Acq: 04 May 2022 17:34

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SS06-1-2-FT



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 85.3  | 127.9# |
| 89      | 0.1   | 37.0  | 55.4#  |

