

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080522\  
 Data File : VY009867.D  
 Acq On : 05 Aug 2022 21:43  
 Operator : KP/MD  
 Sample : N4064-06  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-14

Quant Time: Aug 06 01:23:18 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080322S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 04 02:27:45 2022  
 Response via : Initial Calibration

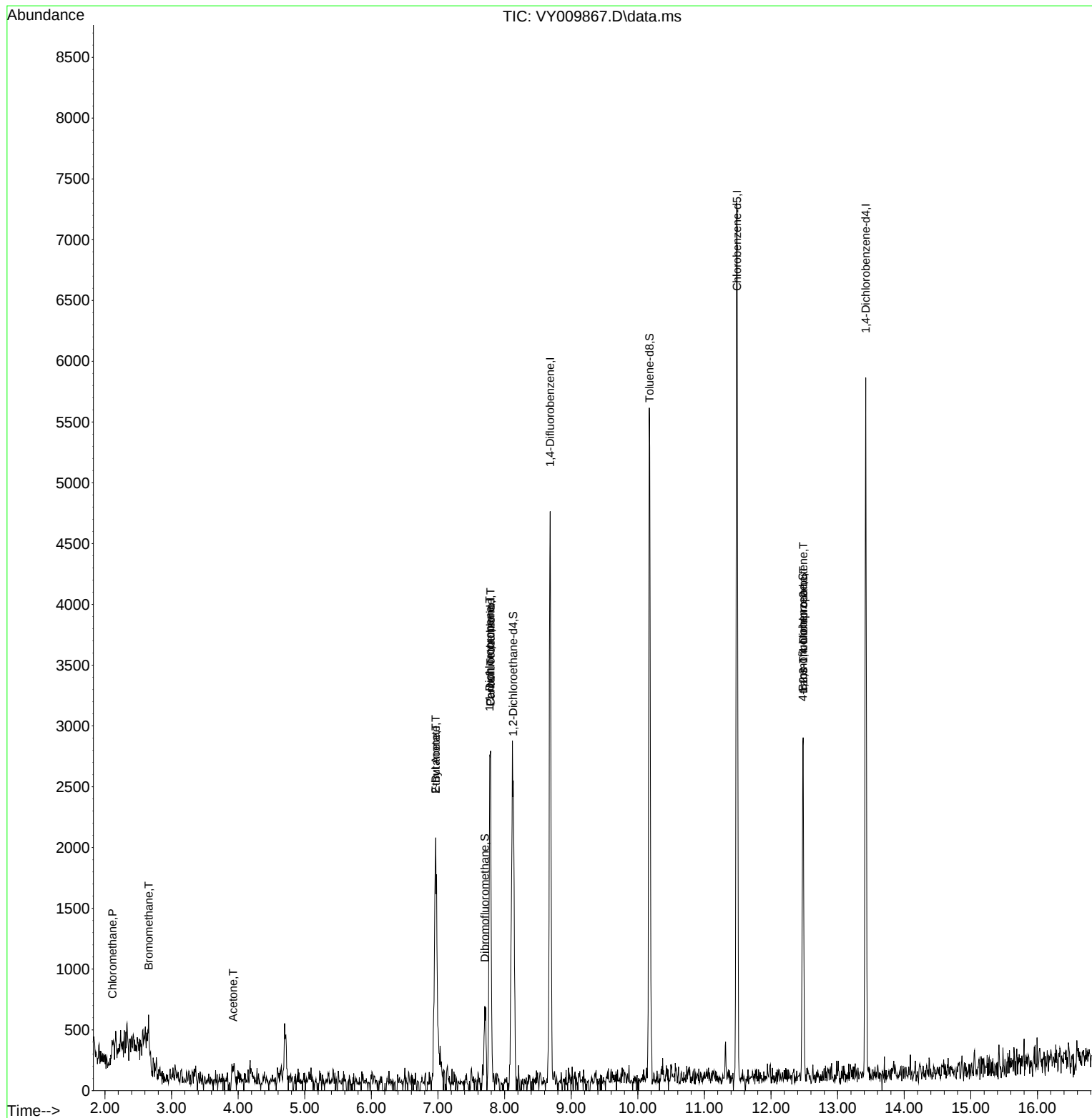
| Compound                      | R.T. QIon |                | Response | Conc       | Units | Dev(Min) |
|-------------------------------|-----------|----------------|----------|------------|-------|----------|
| -----                         |           |                |          |            |       |          |
| Internal Standards            |           |                |          |            |       |          |
| 1) Pentafluorobenzene         | 7.789     | 168            | 2506     | 50.000     | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.685     | 114            | 3952     | 50.000     | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.490    | 117            | 4203     | 50.000     | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422    | 152            | 1501     | 50.000     | ug/l  | 0.00     |
| System Monitoring Compounds   |           |                |          |            |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.130     | 65             | 1528     | 77.512     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range 50 - 163 | Recovery | = 155.020% |       |          |
| 35) Dibromofluoromethane      | 7.704     | 113            | 522      | 21.664     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range 54 - 147 | Recovery | = 43.320%# |       |          |
| 50) Toluene-d8                | 10.179    | 98             | 3756     | 53.592     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range 78 - 125 | Recovery | = 107.180% |       |          |
| 62) 4-Bromofluorobenzene      | 12.477    | 95             | 914      | 28.012     | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range 50 - 146 | Recovery | = 56.020%  |       |          |
| Target Compounds              |           |                |          |            |       |          |
| 3) Chloromethane              | 2.113     | 50             | 107      | 2.953      | ug/l  | # 43     |
| 5) Bromomethane               | 2.656     | 94             | 44       | 1.358      | ug/l  | # 52     |
| 16) Acetone                   | 3.924     | 43             | 105      | 14.802     | ug/l  | # 45     |
| 20) Methylene Chloride        | 4.704     | 84             | 247      | Below Cal  | #     | 31       |
| 25) 2-Butanone                | 6.966     | 43             | 58       | 4.999      | ug/l  | # 53     |
| 36) 1,1-Dichloropropene       | 7.777     | 75             | 234      | 5.854      | ug/l  | # 41     |
| 37) Ethyl Acetate             | 6.966     | 43             | 58       | 2.228      | ug/l  | # 41     |
| 38) Carbon Tetrachloride      | 7.789     | 117            | 175      | 4.162      | ug/l  | # 12     |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75             | 510      | 29.702     | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75             | 510      | 63.748     | ug/l  | # 12     |
| -----                         |           |                |          |            |       |          |

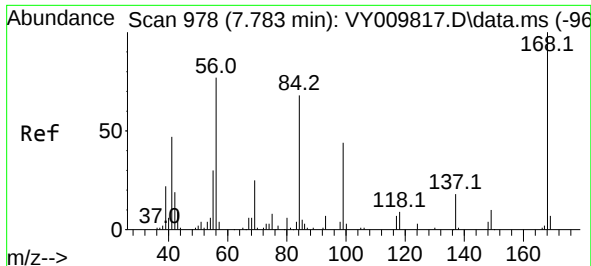
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY080522\  
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Sample : N4064-06  
Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 19 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080322S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 04 02:27:45 2022  
Response via : Initial Calibration

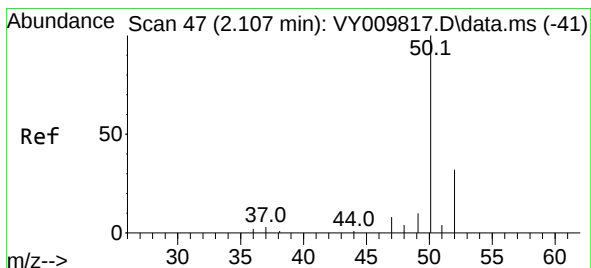
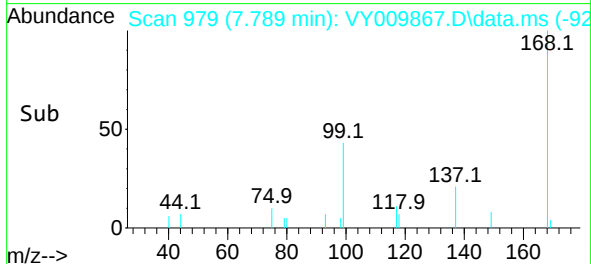
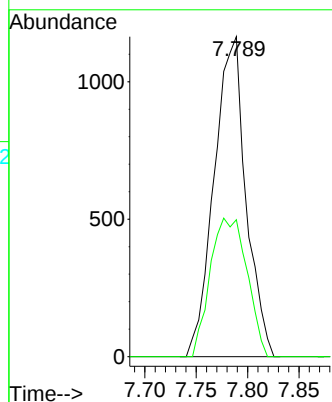
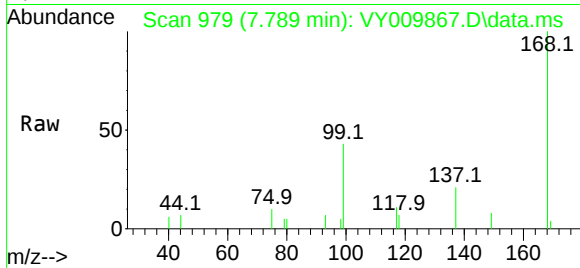




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY009867.D  
Acq: 05 Aug 2022 21:43

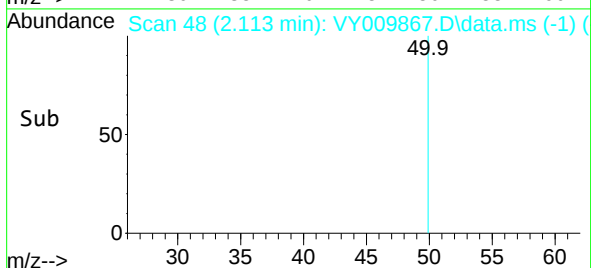
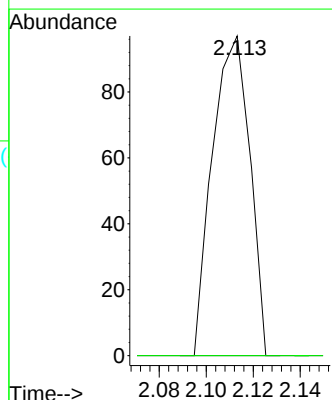
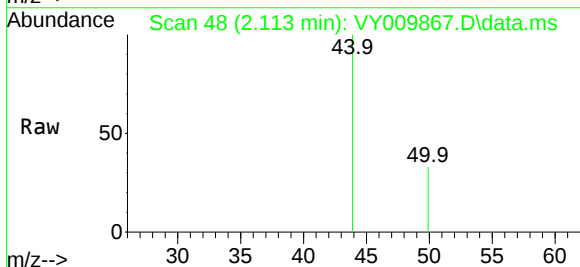
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-14

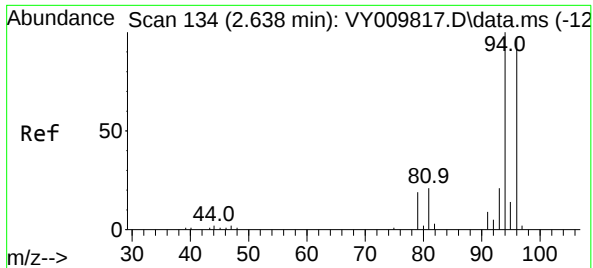
Tgt Ion:168 Resp: 2506  
Ion Ratio Lower Upper  
168 100  
99 42.8 44.7 67.1#



#3  
Chloromethane  
Concen: 2.953 ug/l  
RT: 2.113 min Scan# 48  
Delta R.T. 0.006 min  
Lab File: VY009867.D  
Acq: 05 Aug 2022 21:43

Tgt Ion: 50 Resp: 107  
Ion Ratio Lower Upper  
50 100  
52 0.0 25.7 38.5#

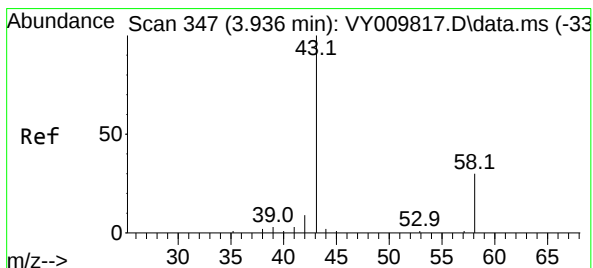
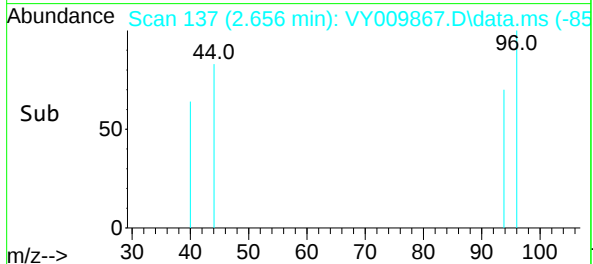
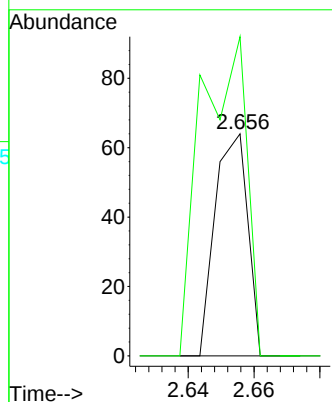
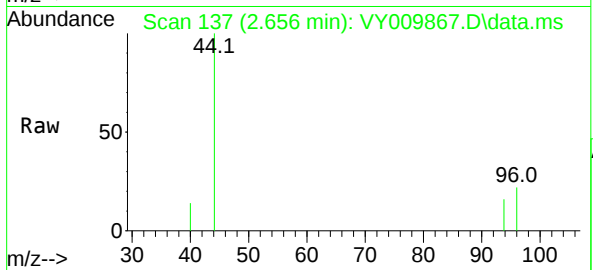




#5  
Bromomethane  
Concen: 1.358 ug/l  
RT: 2.656 min Scan# 11  
Delta R.T. 0.018 min  
Lab File: VY009867.D  
Acq: 05 Aug 2022 21:43

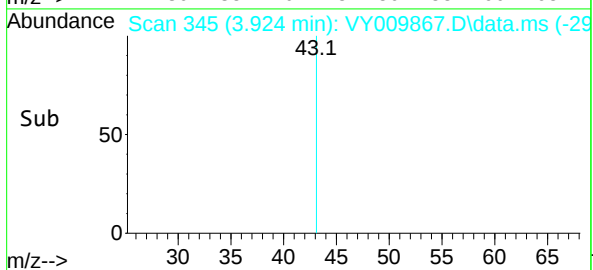
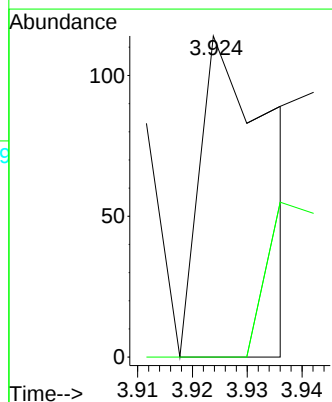
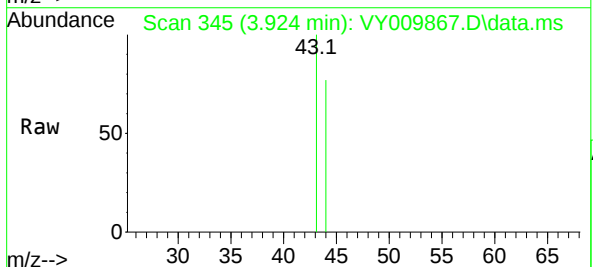
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-14

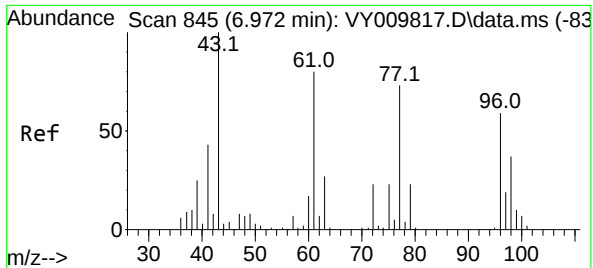
Tgt Ion: 94 Resp: 44  
Ion Ratio Lower Upper  
94 100  
96 143.8 77.2 115.8#



#16  
Acetone  
Concen: 14.802 ug/l  
RT: 3.924 min Scan# 345  
Delta R.T. -0.012 min  
Lab File: VY009867.D  
Acq: 05 Aug 2022 21:43

Tgt Ion: 43 Resp: 105  
Ion Ratio Lower Upper  
43 100  
58 0.0 24.1 36.1#





#25

2-Butanone

Concen: 4.999 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY009867.D

Acq: 05 Aug 2022 21:43

Instrument :

MSVOA\_Y

ClientSampleId :

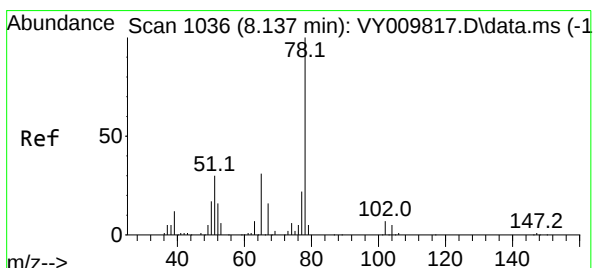
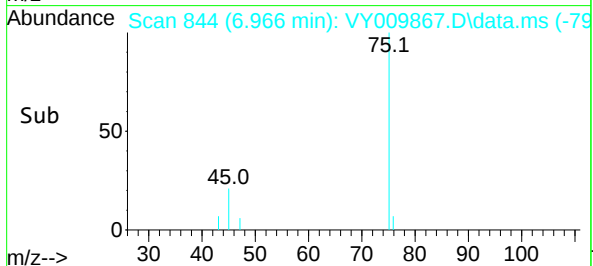
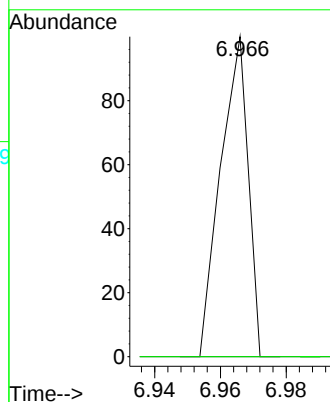
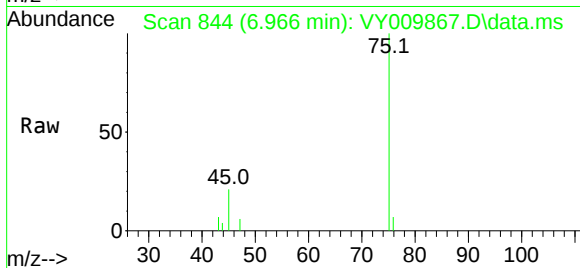
SB-14

Tgt Ion: 43 Resp: 58

Ion Ratio Lower Upper

43 100

72 0.0 18.2 27.4#



#33

1,2-Dichloroethane-d4

Concen: 77.512 ug/l

RT: 8.130 min Scan# 1035

Delta R.T. -0.007 min

Lab File: VY009867.D

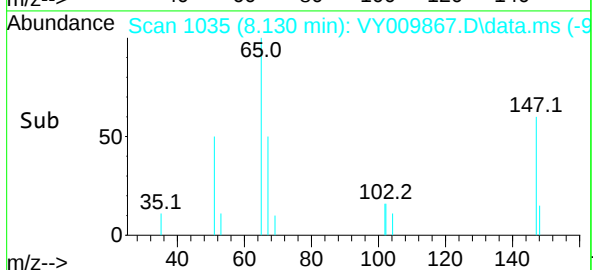
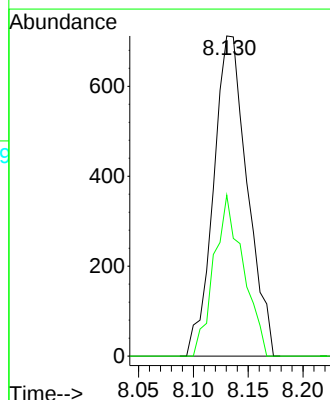
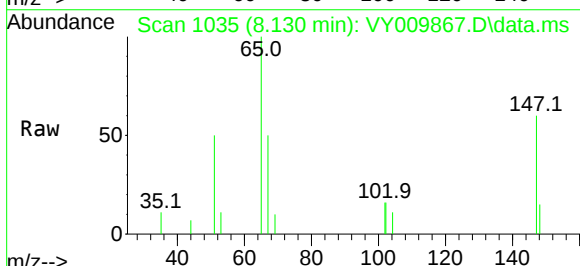
Acq: 05 Aug 2022 21:43

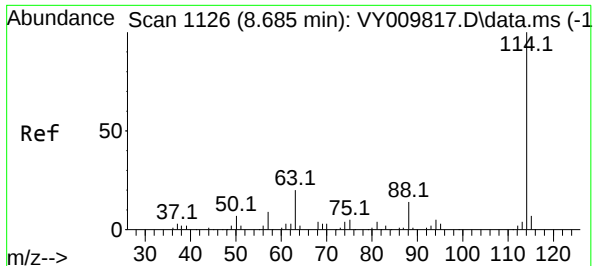
Tgt Ion: 65 Resp: 1528

Ion Ratio Lower Upper

65 100

67 43.6 0.0 112.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009867.D

Acq: 05 Aug 2022 21:43

Instrument :

MSVOA\_Y

ClientSampleId :

SB-14

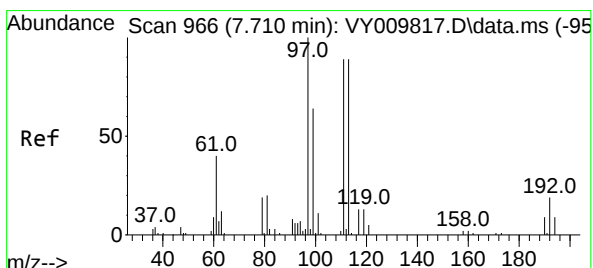
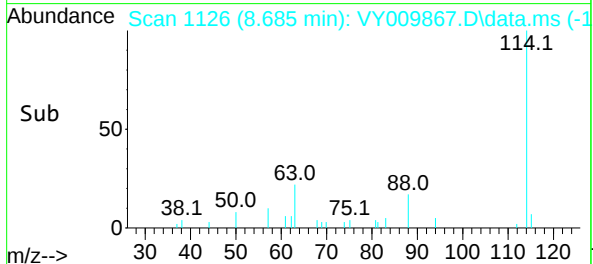
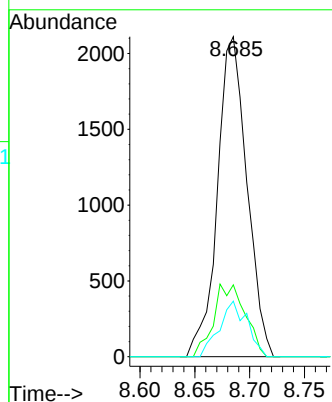
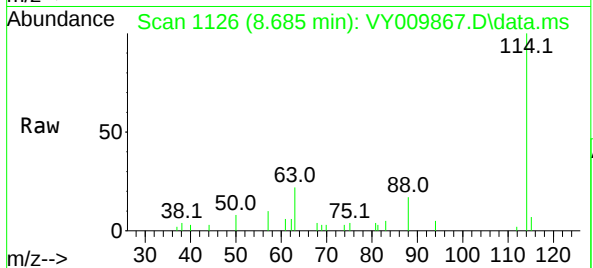
Tgt Ion:114 Resp: 3952

Ion Ratio Lower Upper

114 100

63 22.5 0.0 39.2

88 17.4 0.0 27.6



#35

Dibromofluoromethane

Concen: 21.664 ug/l

RT: 7.704 min Scan# 965

Delta R.T. -0.006 min

Lab File: VY009867.D

Acq: 05 Aug 2022 21:43

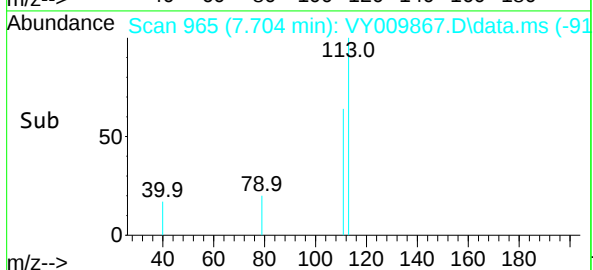
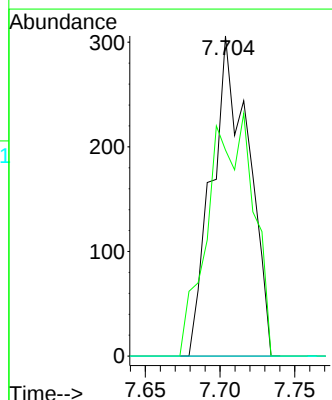
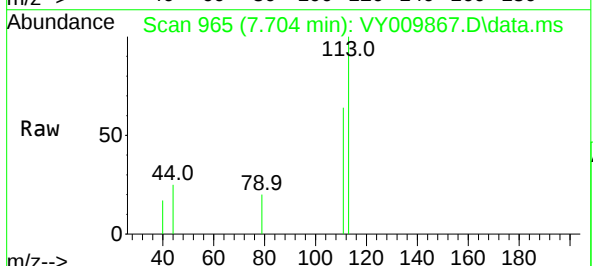
Tgt Ion:113 Resp: 522

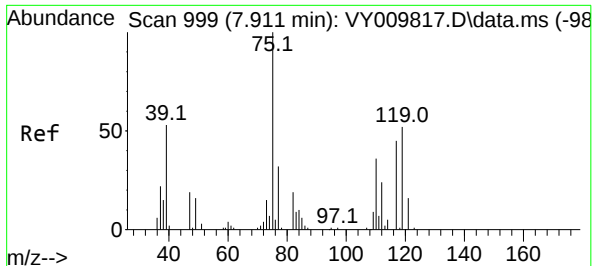
Ion Ratio Lower Upper

113 100

111 92.9 82.4 123.6

192 0.0 16.5 24.7#





#36

1,1-Dichloropropene

Concen: 5.854 ug/l

RT: 7.777 min Scan# 91

Delta R.T. -0.134 min

Lab File: VY009867.D

Acq: 05 Aug 2022 21:43

Instrument :

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ClientSampleId :

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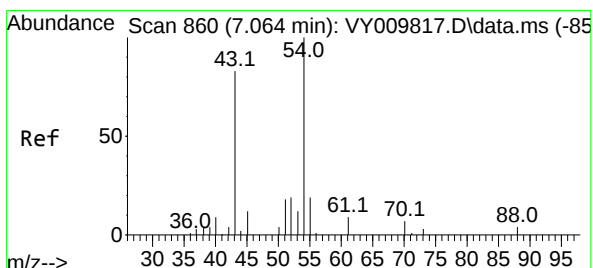
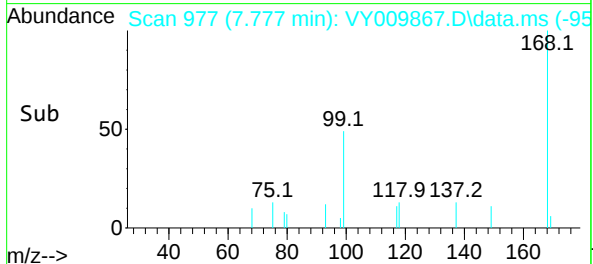
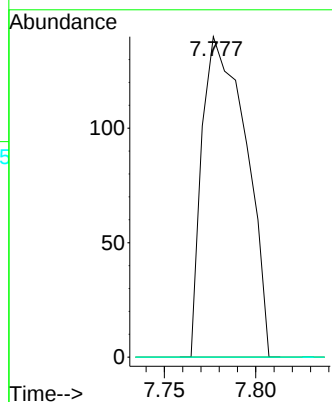
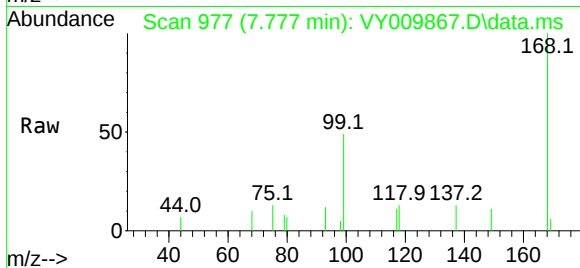
Tgt Ion: 75 Resp: 234

Ion Ratio Lower Upper

75 100

110 0.0 17.8 53.4#

77 0.0 24.6 36.8#



#37

Ethyl Acetate

Concen: 2.228 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.098 min

Lab File: VY009867.D

Acq: 05 Aug 2022 21:43

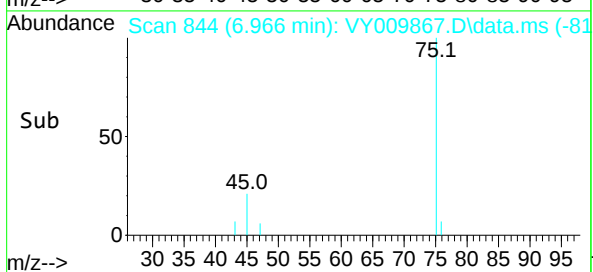
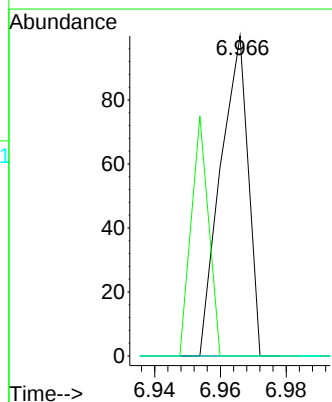
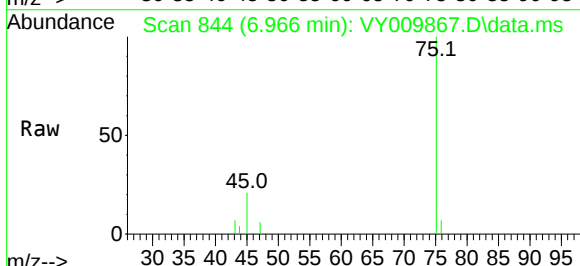
Tgt Ion: 43 Resp: 58

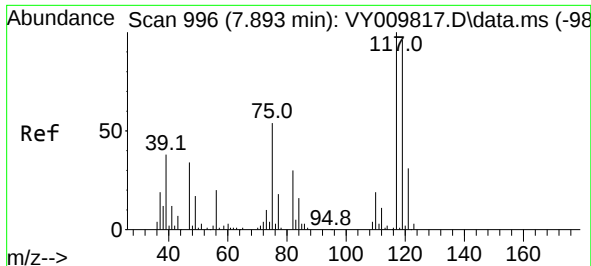
Ion Ratio Lower Upper

43 100

61 46.6 11.0 16.6#

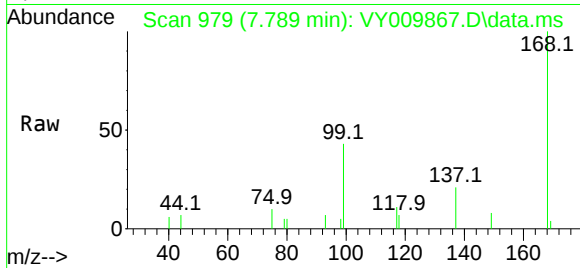
70 0.0 7.0 10.6#



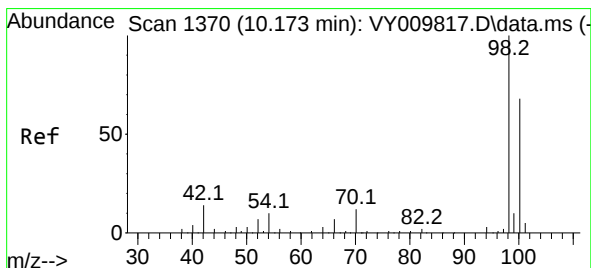
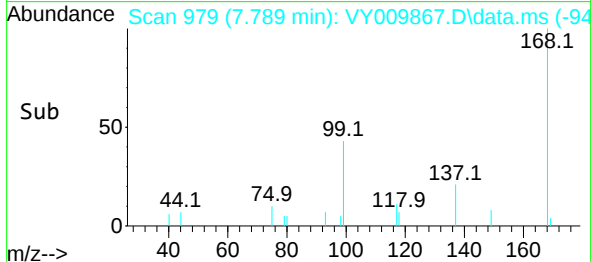
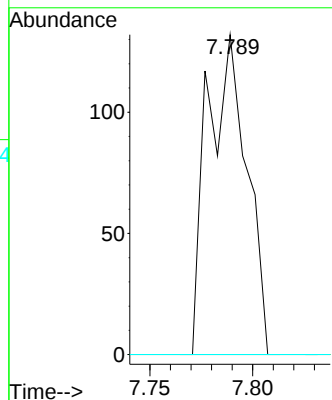


#38  
Carbon Tetrachloride  
Concen: 4.162 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY009867.D  
Acq: 05 Aug 2022 21:43

Instrument :  
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SB-14

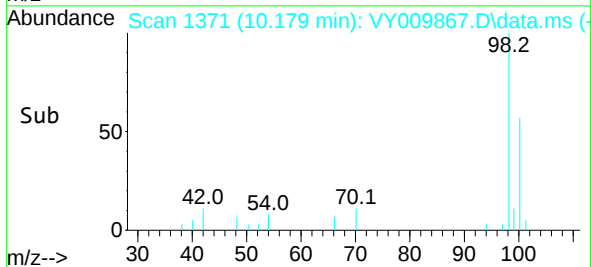
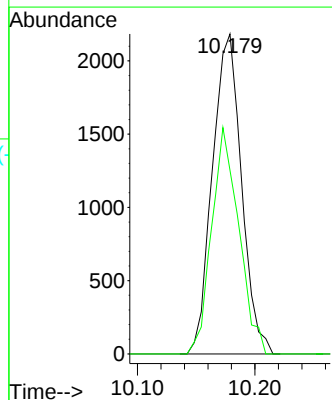
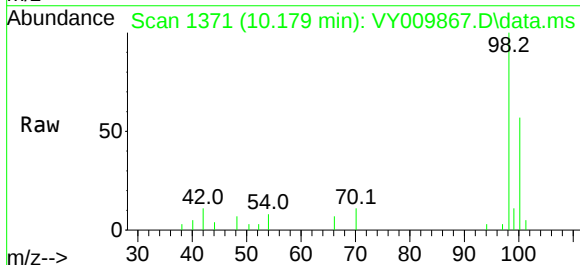


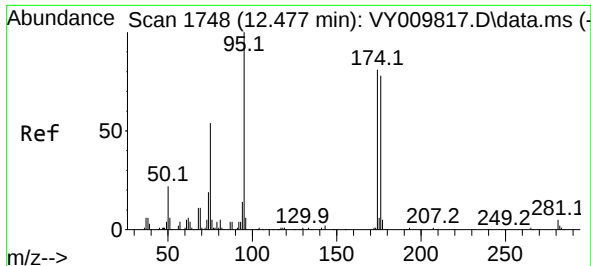
Tgt Ion:117 Resp: 175  
Ion Ratio Lower Upper  
117 100  
119 0.0 76.8 115.2#  
121 0.0 24.9 37.3#



#50  
Toluene-d8  
Concen: 53.592 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.006 min  
Lab File: VY009867.D  
Acq: 05 Aug 2022 21:43

Tgt Ion: 98 Resp: 3756  
Ion Ratio Lower Upper  
98 100  
100 66.1 53.4 80.2

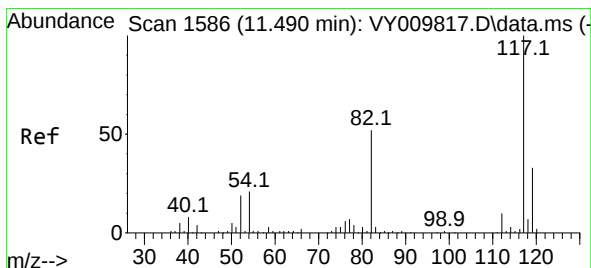
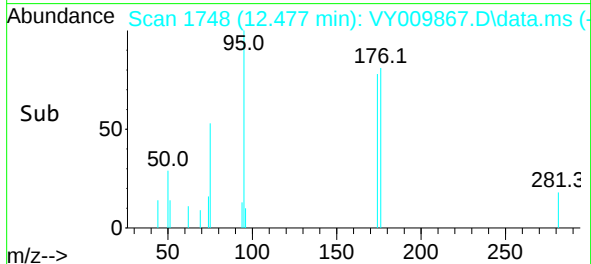
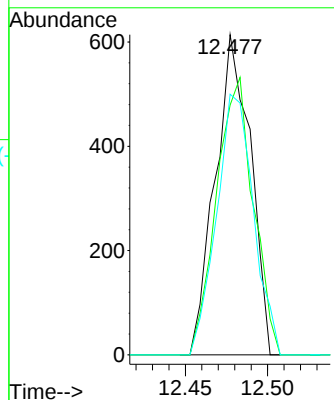
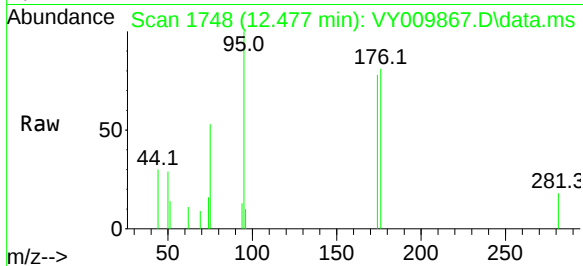




#62  
4-Bromofluorobenzene  
Concen: 28.012 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY009867.D  
Acq: 05 Aug 2022 21:43

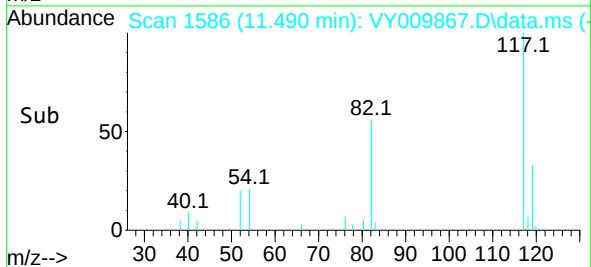
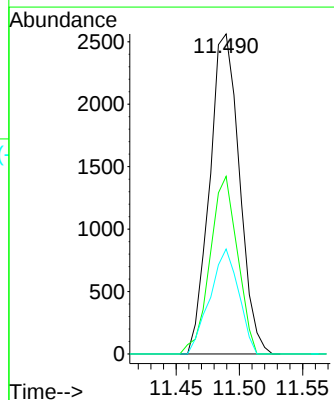
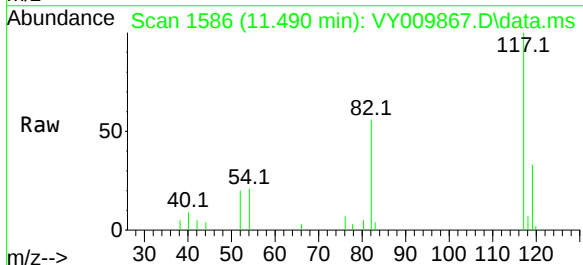
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-14

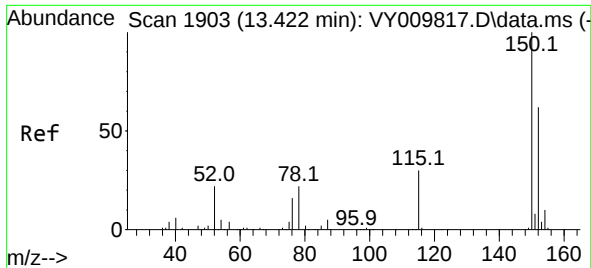
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 95    | Resp: | 914   |
| Ion      | Ratio | Lower | Upper |
| 95       | 100   |       |       |
| 174      | 90.7  | 0.0   | 168.6 |
| 176      | 85.4  | 0.0   | 163.6 |



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY009867.D  
Acq: 05 Aug 2022 21:43

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 4203  |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 55.5  | 41.7  | 62.5  |
| 119      | 32.8  | 26.6  | 40.0  |

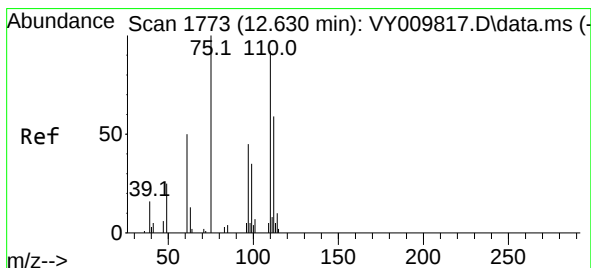
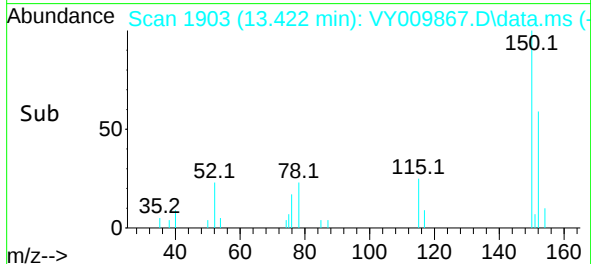
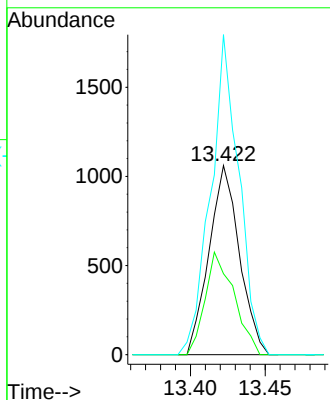
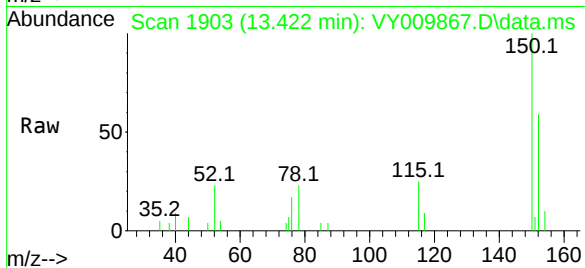




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.000 min  
Lab File: VY009867.D  
Acq: 05 Aug 2022 21:43

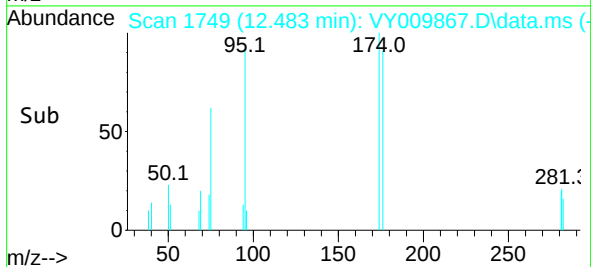
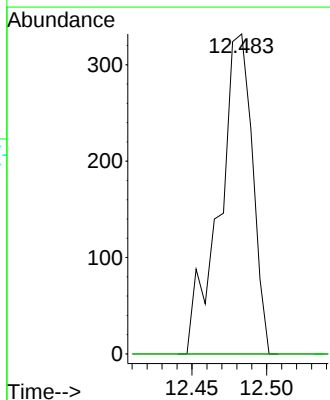
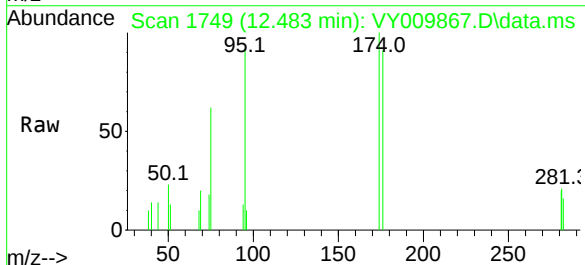
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-14

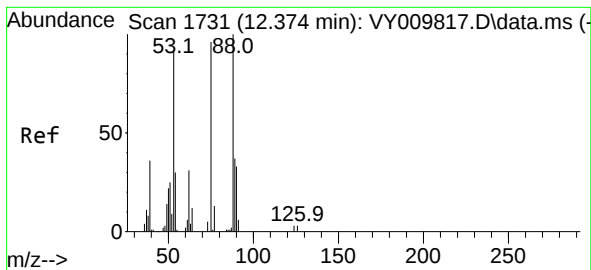
Tgt Ion:152 Resp: 1501  
Ion Ratio Lower Upper  
152 100  
115 51.5 28.9 86.7  
150 157.4 0.0 354.2



#76  
1,2,3-Trichloropropane  
Concen: 29.702 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.146 min  
Lab File: VY009867.D  
Acq: 05 Aug 2022 21:43

Tgt Ion: 75 Resp: 510  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 63.748 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.110 min  
 Lab File: VY009867.D  
 Acq: 05 Aug 2022 21:43

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-14

Tgt Ion: 75 Resp: 510  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 74.2 111.4#  
 89 0.0 35.3 52.9#

