

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090222\  
 Data File : VY010308.D  
 Acq On : 03 Sep 2022 04:09  
 Operator : KP/MD  
 Sample : N4379-15  
 Misc : 6.10g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 47 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-08-9-11

Quant Time: Sep 03 06:13:09 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y090222S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Sep 02 16:41:46 2022  
 Response via : Initial Calibration

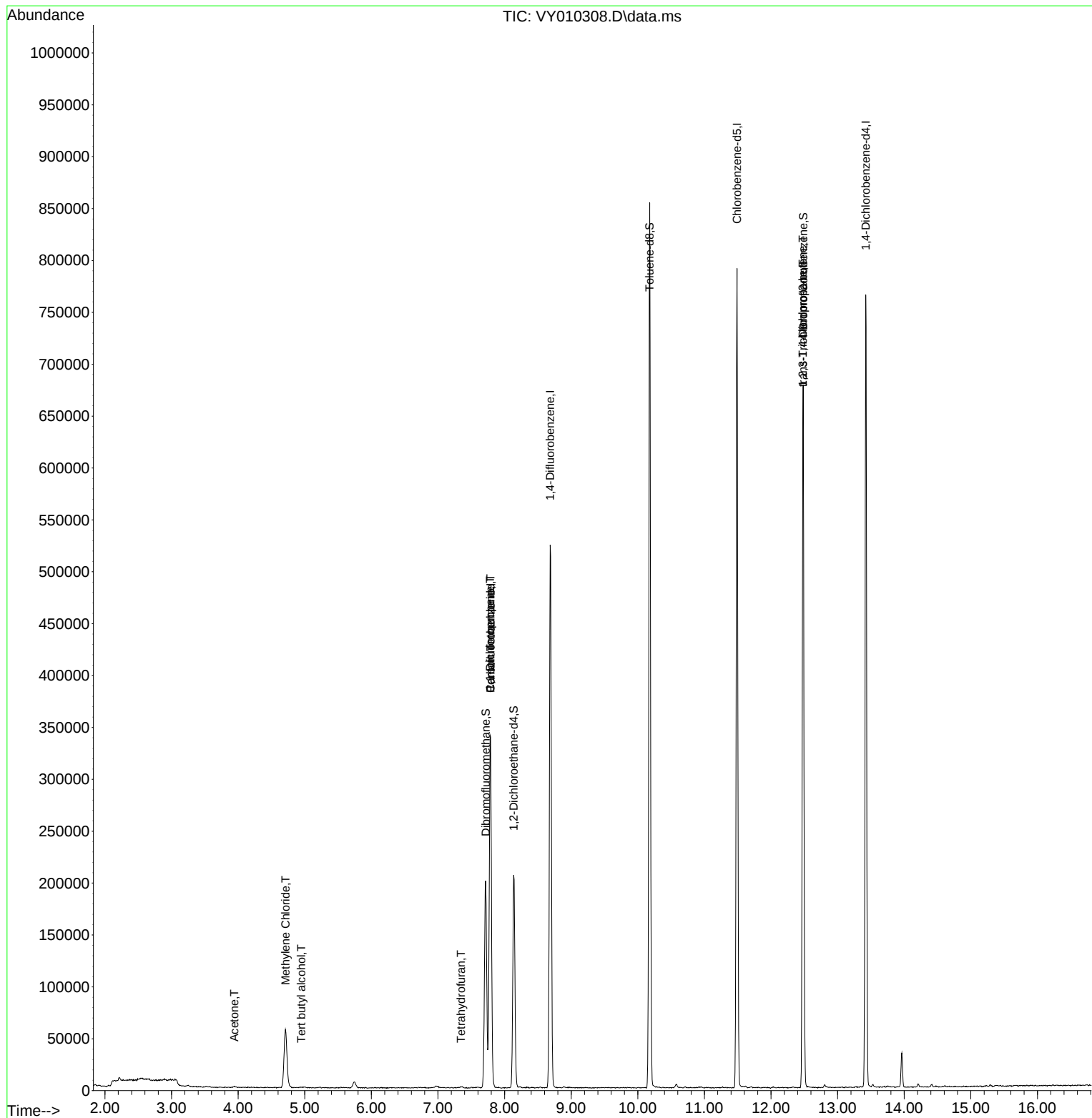
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 278429   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 464980   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 433702   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 203068   | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 161841   | 56.687    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 113.380% |
| 35) Dibromofluoromethane      | 7.716  | 113   | 142502   | 46.036    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 92.080%  |
| 50) Toluene-d8                | 10.179 | 98    | 552076   | 53.271    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 106.540% |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 197390   | 47.206    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 94.420%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 2.662  | 94    | 584      | Below Cal | #      | 16       |
| 11) Tert butyl alcohol        | 4.948  | 59    | 1257     | 3.680     | ug/l   | 97       |
| 16) Acetone                   | 3.942  | 43    | 1647     | 2.308     | ug/l   | # 74     |
| 20) Methylene Chloride        | 4.710  | 84    | 42836    | 12.437    | ug/l   | 89       |
| 29) Tetrahydrofuran           | 7.344  | 42    | 1163     | 1.550     | ug/l   | # 47     |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 19958    | 4.394     | ug/l   | # 51     |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 25977    | 5.550     | ug/l   | # 16     |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 100237   | 41.479    | ug/l   | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 100237   | 86.529    | ug/l   | # 7      |
| -----                         |        |       |          |           |        |          |

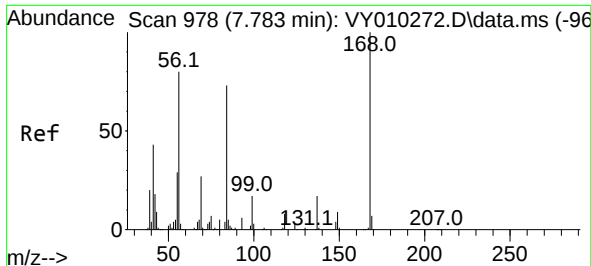
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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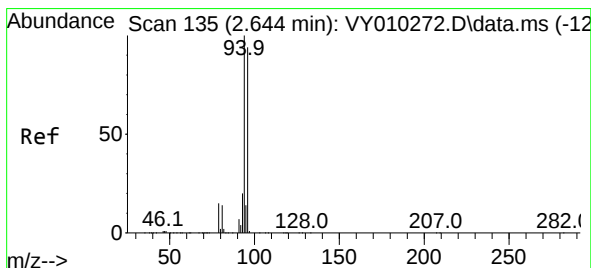
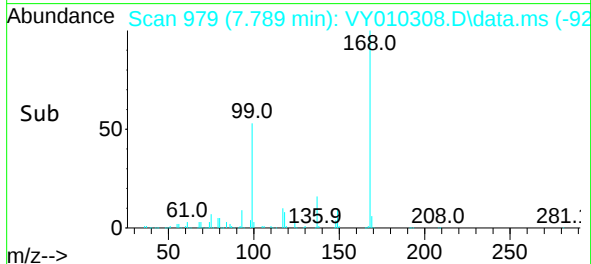
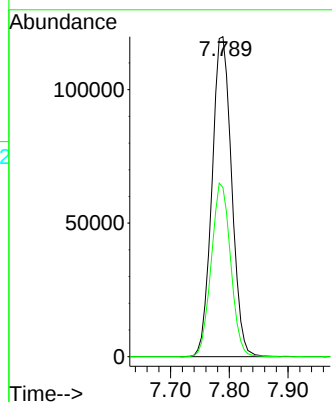
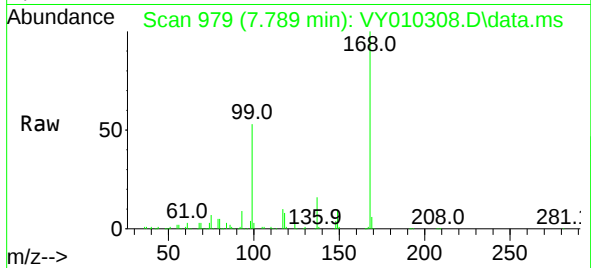




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010308.D  
Acq: 03 Sep 2022 04:09

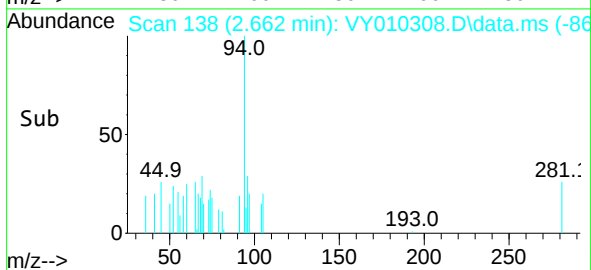
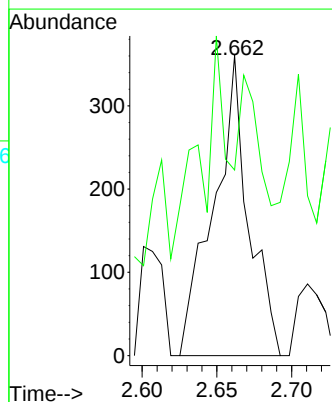
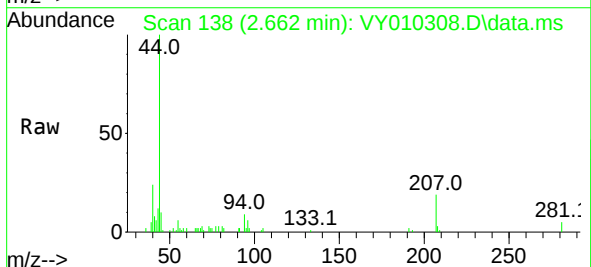
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-9-11

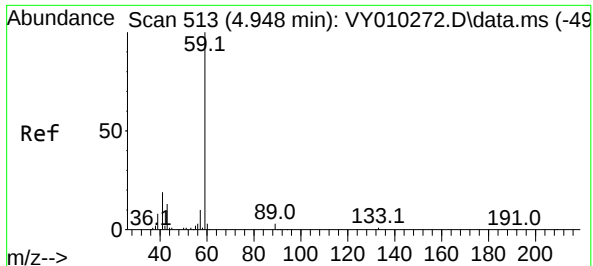
Tgt Ion:168 Resp: 278429  
Ion Ratio Lower Upper  
168 100  
99 52.8 46.9 70.3



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.662 min Scan# 138  
Delta R.T. 0.018 min  
Lab File: VY010308.D  
Acq: 03 Sep 2022 04:09

Tgt Ion: 94 Resp: 584  
Ion Ratio Lower Upper  
94 100  
96 11.9 73.5 110.3#





#11

Tert butyl alcohol

Concen: 3.680 ug/l

RT: 4.948 min Scan# 513

Delta R.T. 0.000 min

Lab File: VY010308.D

Acq: 03 Sep 2022 04:09

Instrument :

MSVOA\_Y

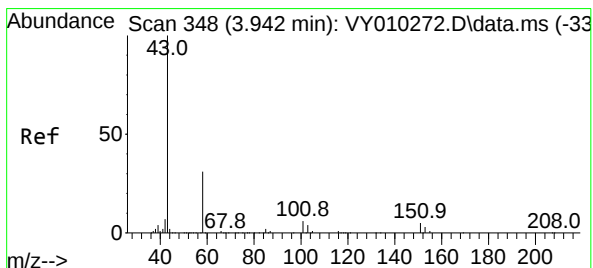
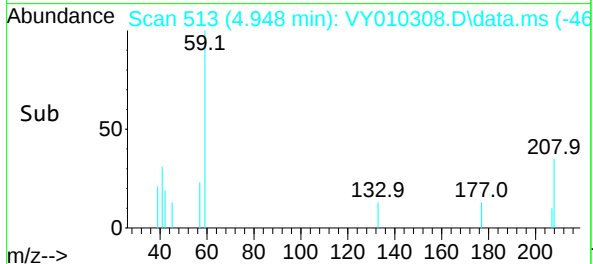
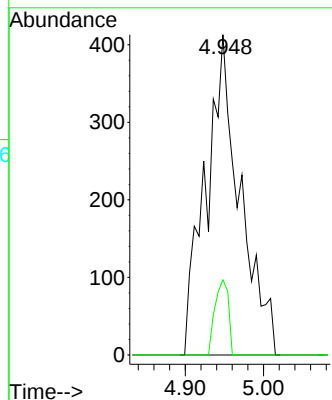
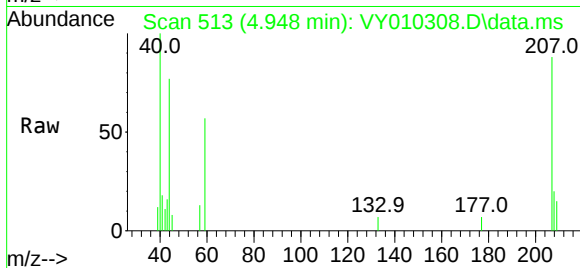
ClientSampleId :

SB-08-9-11

Tgt Ion: 59 Resp: 1257

Ion Ratio Lower Upper

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 59  | 100   |       |       |
| 57  | 9.1   | 6.4   | 9.6   |



#16

Acetone

Concen: 2.308 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

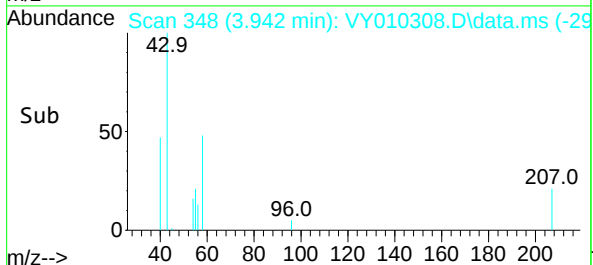
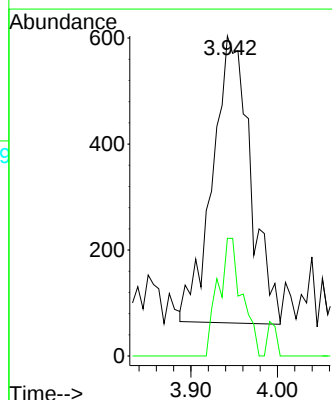
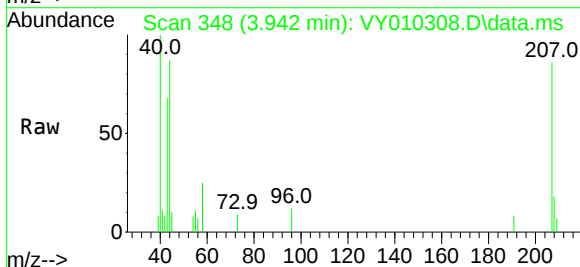
Lab File: VY010308.D

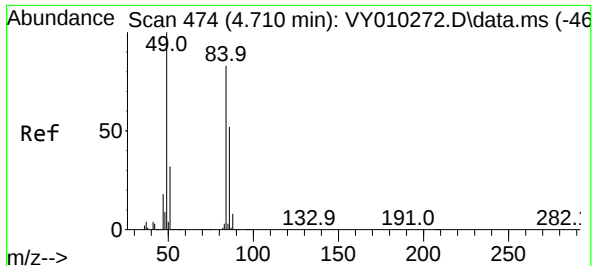
Acq: 03 Sep 2022 04:09

Tgt Ion: 43 Resp: 1647

Ion Ratio Lower Upper

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 58  | 41.2  | 22.0  | 33.0  |



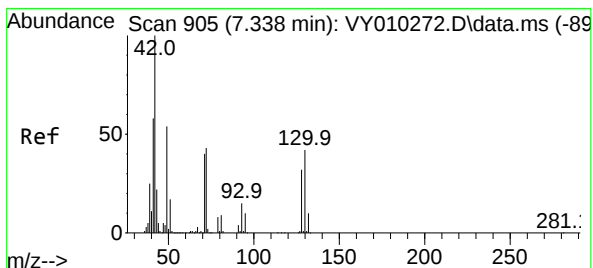
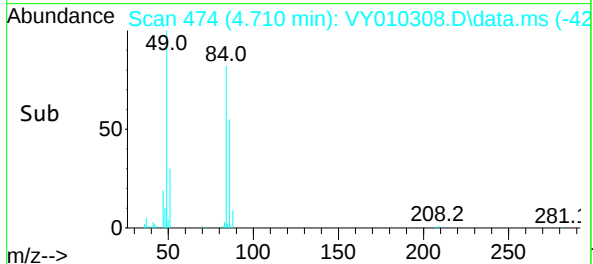
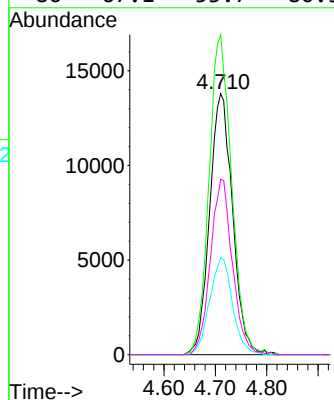
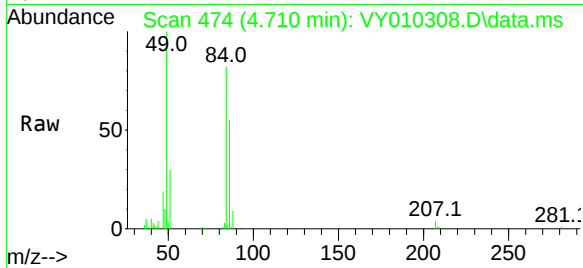


#20  
Methylene Chloride  
Concen: 12.437 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VY010308.D  
Acq: 03 Sep 2022 04:09

Instrument :  
MSVOA\_Y  
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Tgt Ion: 84 Resp: 42836

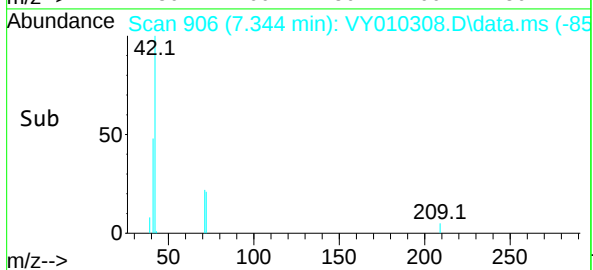
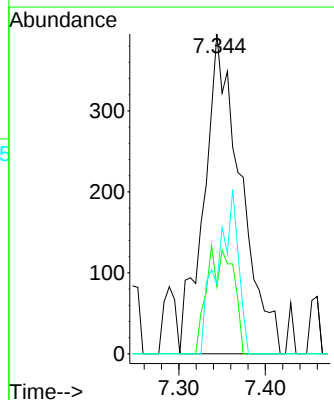
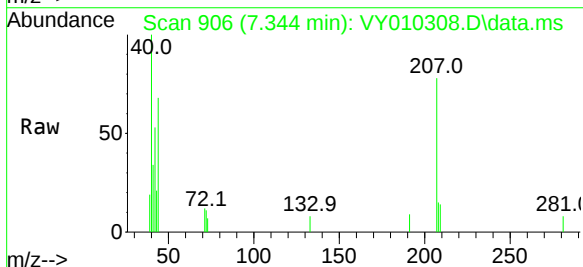
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 122.5 | 114.4 | 171.6 |
| 51  | 37.2  | 35.3  | 52.9  |
| 86  | 67.1  | 53.7  | 80.5  |

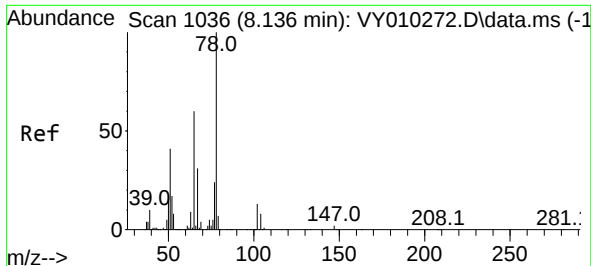


#29  
Tetrahydrofuran  
Concen: 1.550 ug/l  
RT: 7.344 min Scan# 906  
Delta R.T. 0.006 min  
Lab File: VY010308.D  
Acq: 03 Sep 2022 04:09

Tgt Ion: 42 Resp: 1163

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 42  | 100   |       |       |
| 72  | 10.8  | 30.3  | 45.5# |
| 71  | 0.0   | 29.0  | 43.4# |





#33

1,2-Dichloroethane-d4

Concen: 56.687 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010308.D

Acq: 03 Sep 2022 04:09

Instrument :

MSVOA\_Y

ClientSampleId :

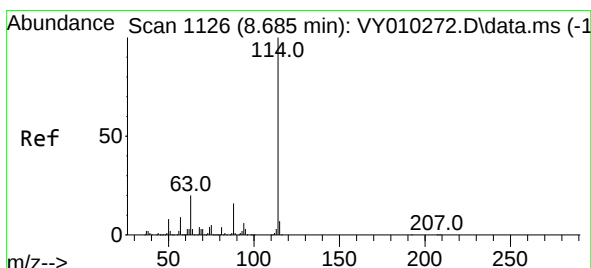
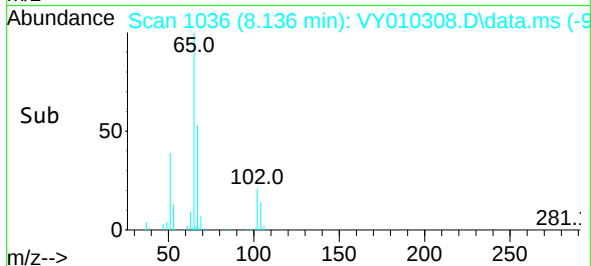
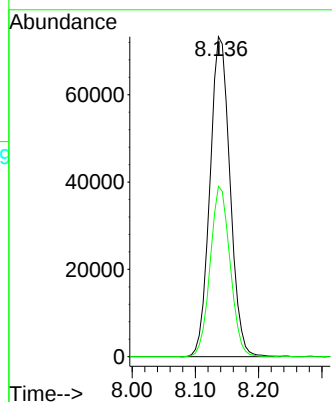
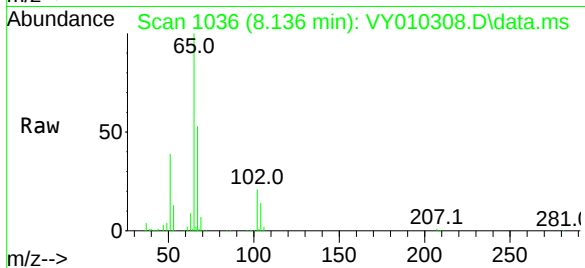
SB-08-9-11

Tgt Ion: 65 Resp: 161841

Ion Ratio Lower Upper

65 100

67 52.8 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: VY010308.D

Acq: 03 Sep 2022 04:09

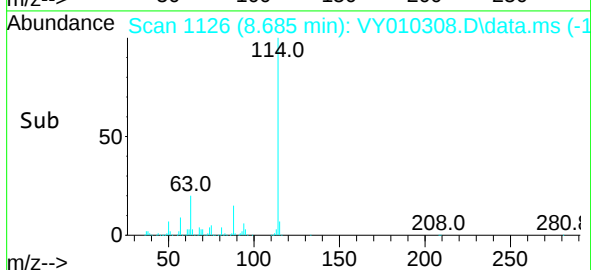
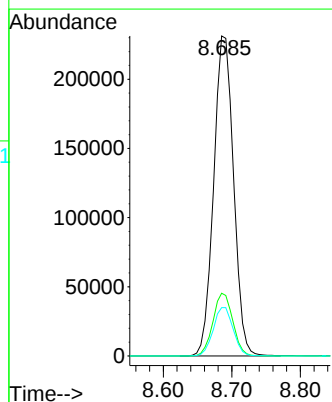
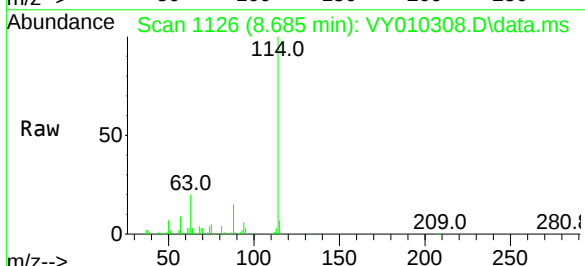
Tgt Ion: 114 Resp: 464980

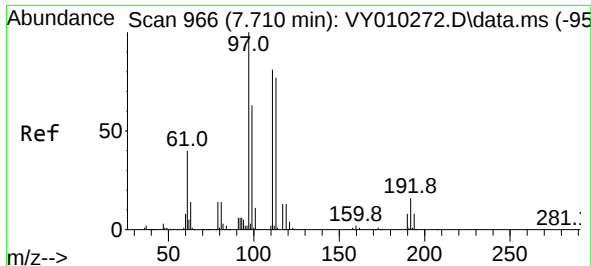
Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

88 15.1 0.0 31.8

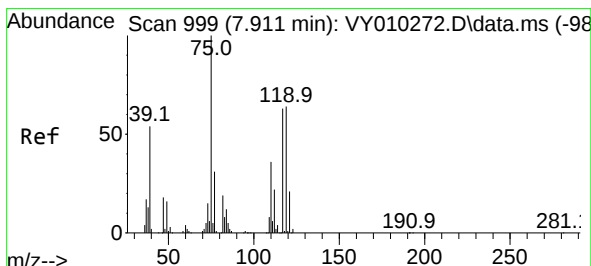
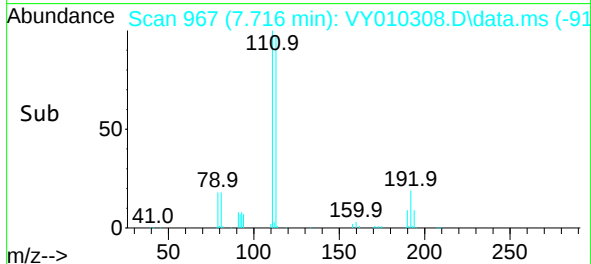
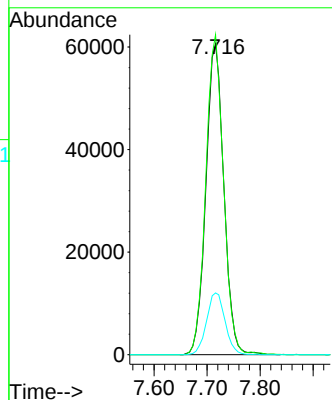
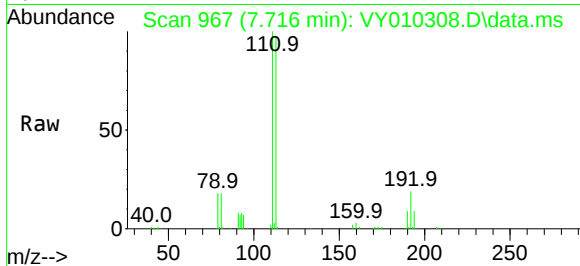




#35  
Dibromofluoromethane  
Concen: 46.036 ug/l  
RT: 7.716 min Scan# 910  
Delta R.T. 0.006 min  
Lab File: VY010308.D  
Acq: 03 Sep 2022 04:09

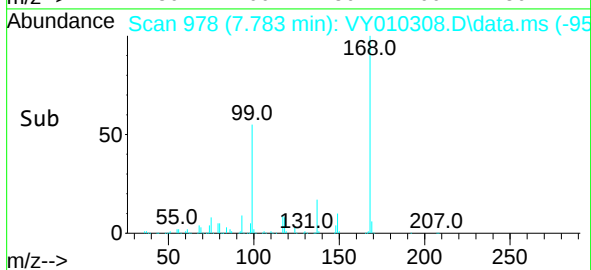
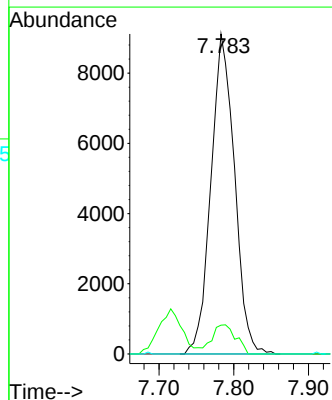
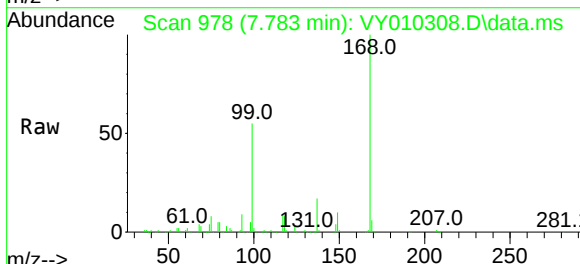
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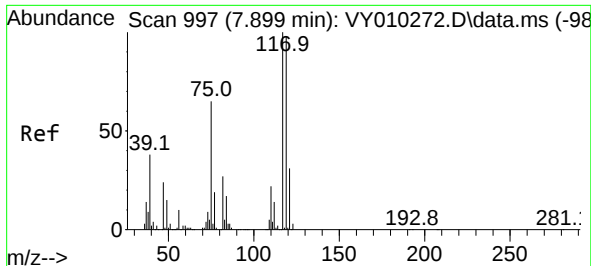
Tgt Ion:113 Resp: 142502  
Ion Ratio Lower Upper  
113 100  
111 101.9 82.6 124.0  
192 20.5 17.6 26.4



#36  
1,1-Dichloropropene  
Concen: 4.394 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY010308.D  
Acq: 03 Sep 2022 04:09

Tgt Ion: 75 Resp: 19958  
Ion Ratio Lower Upper  
75 100  
110 9.0 17.1 51.2#  
77 0.0 24.4 36.6#

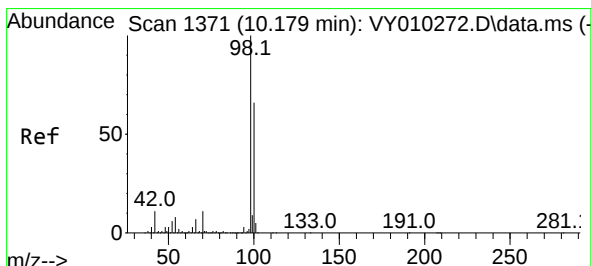
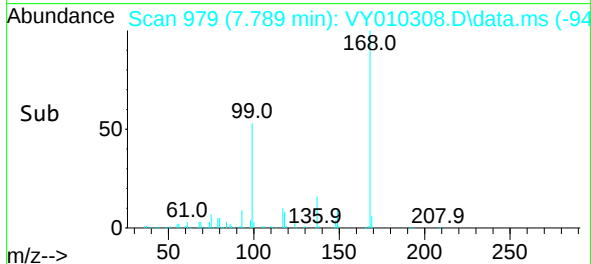
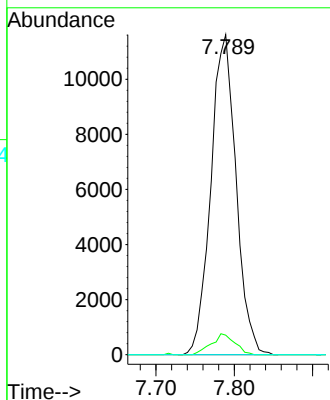
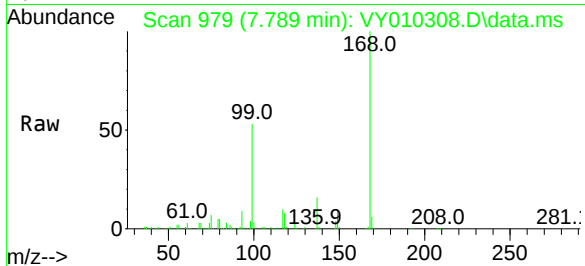




#38  
Carbon Tetrachloride  
Concen: 5.550 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY010308.D  
Acq: 03 Sep 2022 04:09

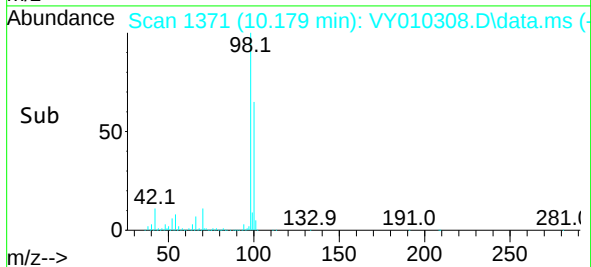
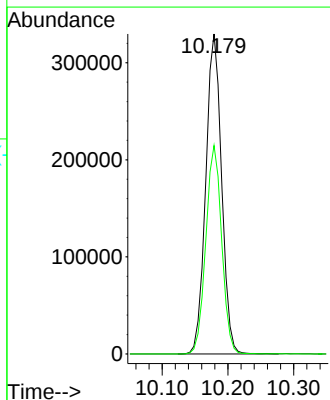
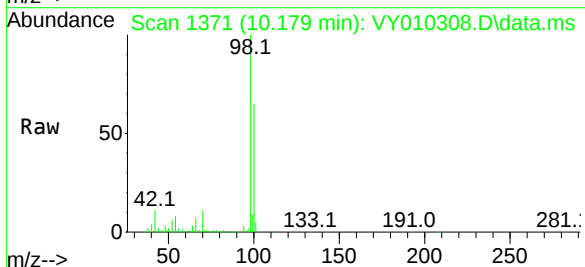
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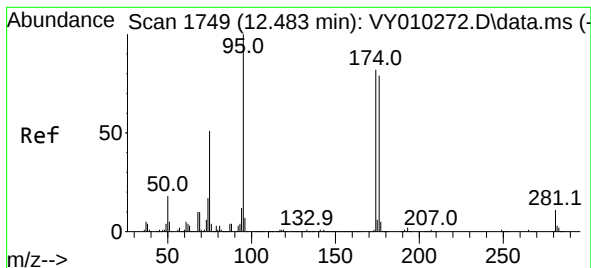
Tgt Ion:117 Resp: 25977  
Ion Ratio Lower Upper  
117 100  
119 6.1 77.9 116.9#  
121 0.0 24.8 37.2#



#50  
Toluene-d8  
Concen: 53.271 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY010308.D  
Acq: 03 Sep 2022 04:09

Tgt Ion: 98 Resp: 552076  
Ion Ratio Lower Upper  
98 100  
100 65.3 50.2 75.2

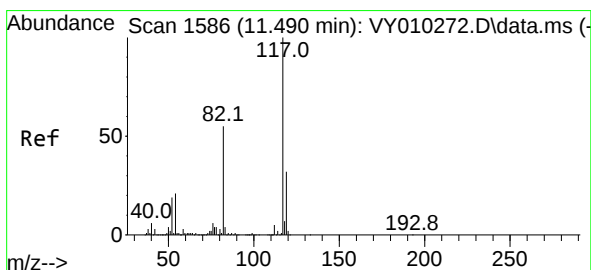
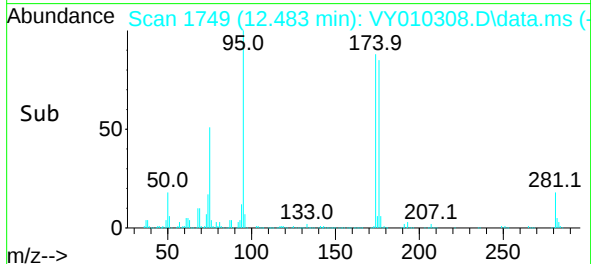
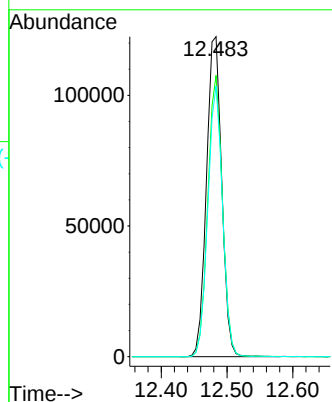
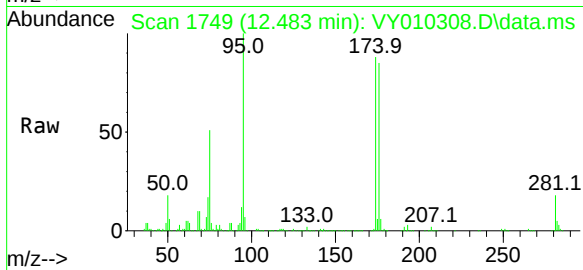




#62  
4-Bromofluorobenzene  
Concen: 47.206 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY010308.D  
Acq: 03 Sep 2022 04:09

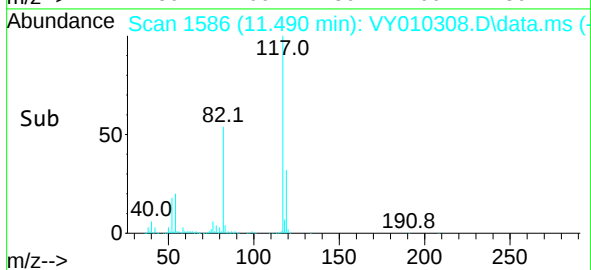
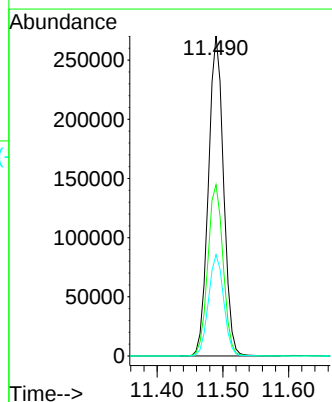
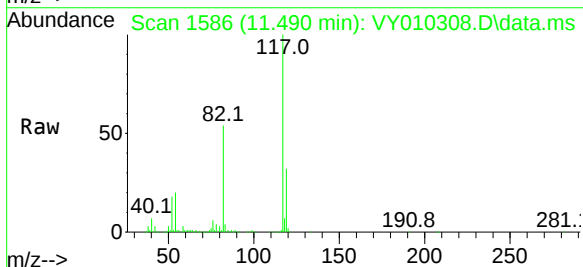
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-08-9-11

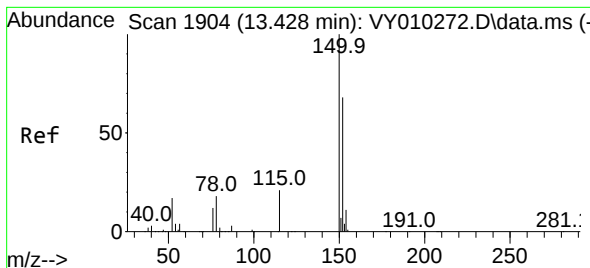
Tgt Ion: 95 Resp: 197390  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 177.0  
176 81.5 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY010308.D  
Acq: 03 Sep 2022 04:09

Tgt Ion: 117 Resp: 433702  
Ion Ratio Lower Upper  
117 100  
82 53.5 43.0 64.4  
119 31.6 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1904

Delta R.T. -0.006 min

Lab File: VY010308.D

Acq: 03 Sep 2022 04:09

Instrument :

MSVOA\_Y

ClientSampleId :

SB-08-9-11

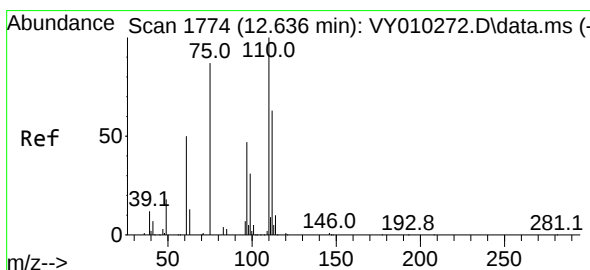
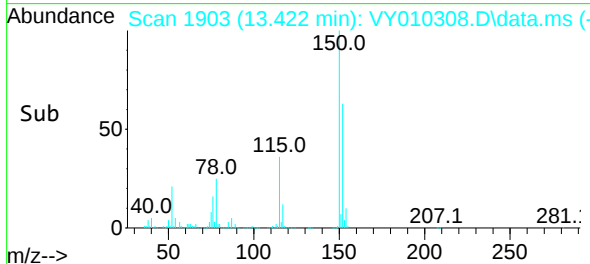
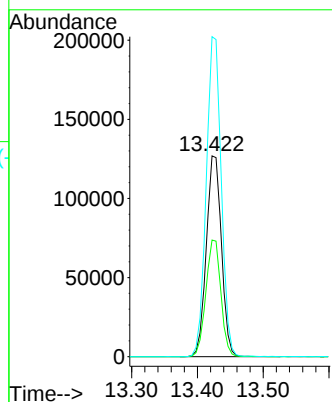
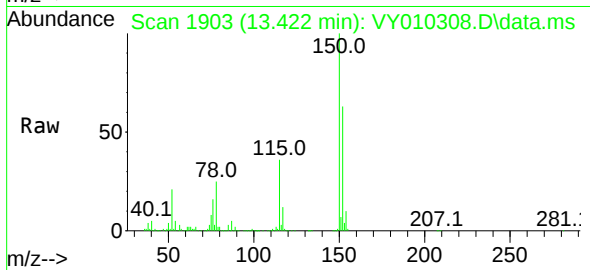
Tgt Ion:152 Resp: 203068

Ion Ratio Lower Upper

152 100

115 57.7 28.2 84.7

150 157.9 0.0 347.6



#76

1,2,3-Trichloropropane

Concen: 41.479 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.159 min

Lab File: VY010308.D

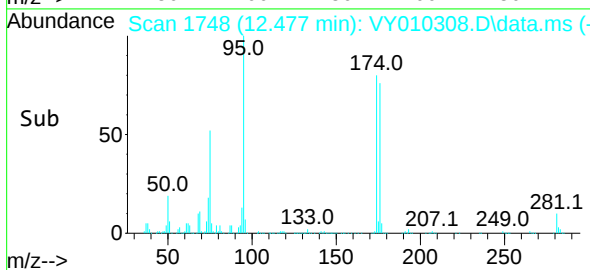
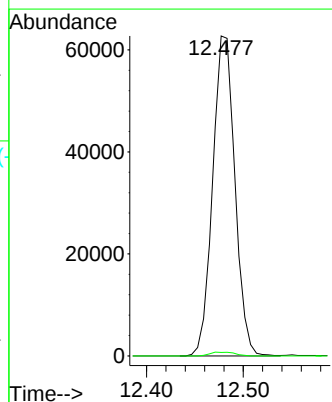
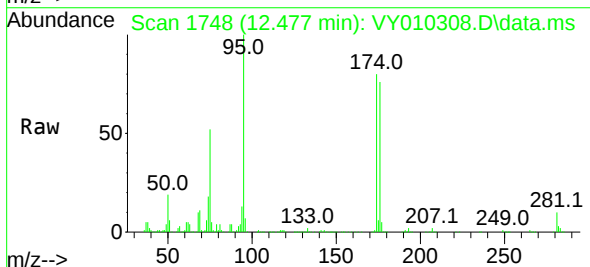
Acq: 03 Sep 2022 04:09

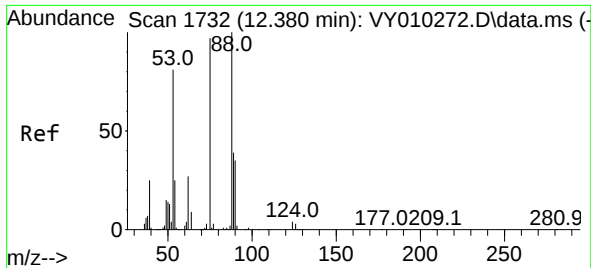
Tgt Ion: 75 Resp: 100237

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 86.529 ug/l  
 RT: 12.477 min Scan# 11  
 Delta R.T. 0.097 min  
 Lab File: VY010308.D  
 Acq: 03 Sep 2022 04:09

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-08-9-11

Tgt Ion: 75 Resp: 100237  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 85.3 127.9#  
 89 0.4 37.0 55.4#

