

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY090322\  
 Data File : VY010331.D  
 Acq On : 03 Sep 2022 19:29  
 Operator : KP/MD  
 Sample : N4501-05  
 Misc : 4.98g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SB-10-7.5-8.0

Quant Time: Sep 05 04:23:31 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  | 286353   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.685  | 114  | 466086   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 434870   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 211962   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 154959   | 52.775   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 105.540% |
| 35) Dibromofluoromethane    | 7.715  | 113   | 141118   | 45.481   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 90.960%  |
| 50) Toluene-d8              | 10.178 | 98    | 547894   | 52.742   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 105.480% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 199690   | 47.709   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 95.420%  |

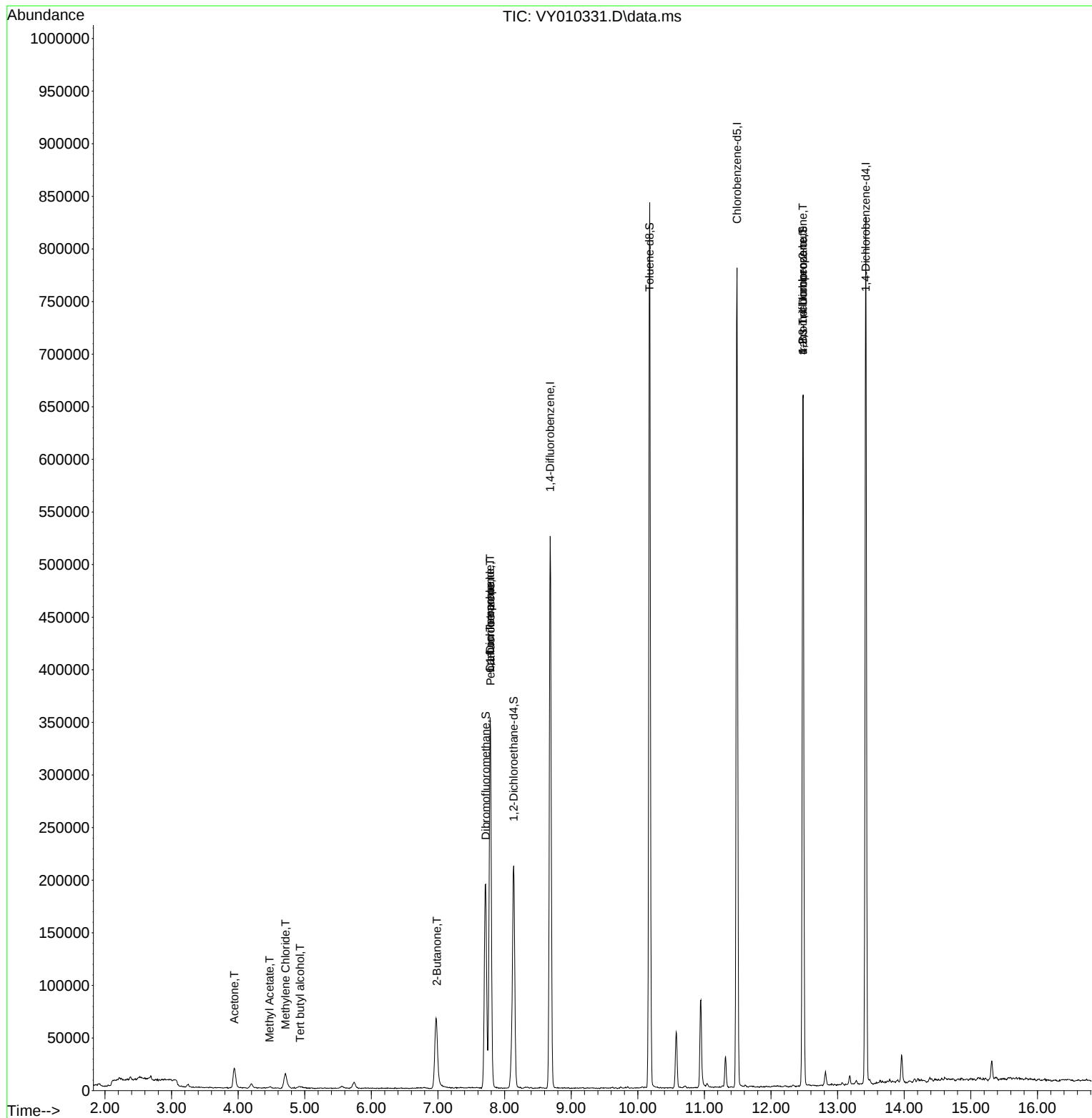
| Target Compounds              |        |     |        |           | Qvalue |     |
|-------------------------------|--------|-----|--------|-----------|--------|-----|
| 5) Bromomethane               | 2.661  | 94  | 504    | Below Cal | #      | 52  |
| 11) Tert butyl alcohol        | 4.929  | 59  | 2480   | 7.060     | ug/l # | 77  |
| 16) Acetone                   | 3.942  | 43  | 33801  | 46.049    | ug/l # | 84  |
| 18) Methyl Acetate            | 4.472  | 43  | 2325   | 1.021     | ug/l   | 98  |
| 20) Methylene Chloride        | 4.710  | 84  | 10580  | 2.987     | ug/l # | 81  |
| 25) 2-Butanone                | 6.984  | 43  | 6685   | 5.549     | ug/l   | 97  |
| 36) 1,1-Dichloropropene       | 7.782  | 75  | 20053  | 4.405     | ug/l # | 51  |
| 38) Carbon Tetrachloride      | 7.782  | 117 | 27236  | 5.805     | ug/l # | 14  |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75  | 101928 | 40.409    | ug/l # | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75  | 101928 | 84.297    | ug/l # | 7   |

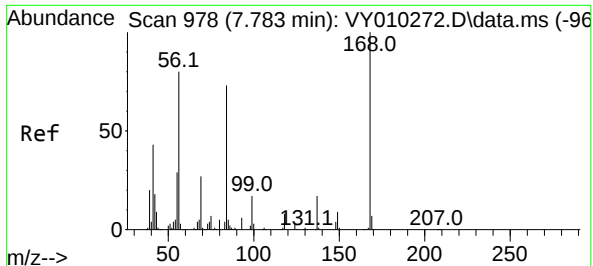
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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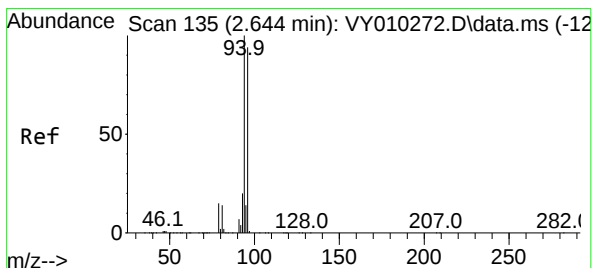
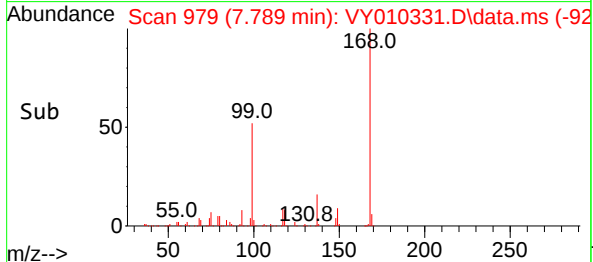
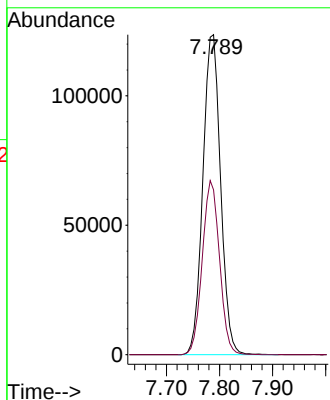
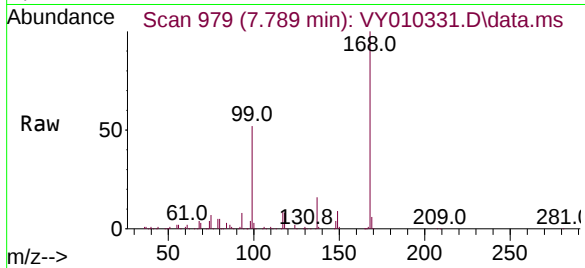




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010331.D  
Acq: 03 Sep 2022 19:29

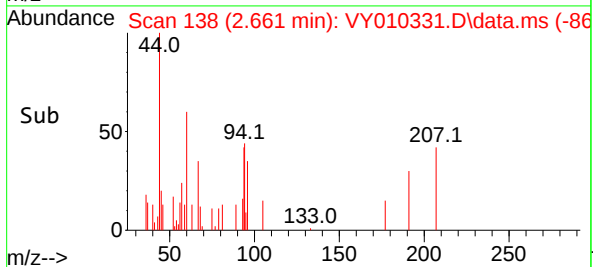
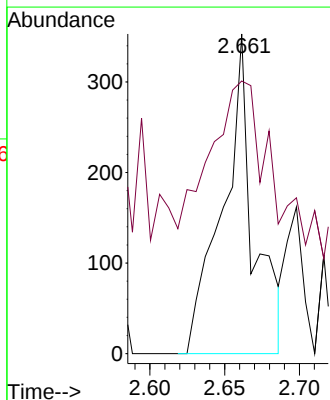
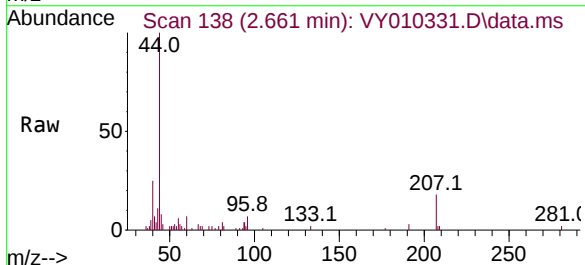
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10-7.5-8.0

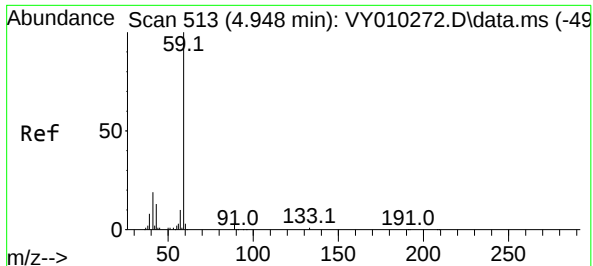
Tgt Ion:168 Resp: 286353  
Ion Ratio Lower Upper  
168 100  
99 51.5 46.9 70.3



#5  
Bromomethane  
Concen: Below Cal  
RT: 2.661 min Scan# 138  
Delta R.T. 0.017 min  
Lab File: VY010331.D  
Acq: 03 Sep 2022 19:29

Tgt Ion: 94 Resp: 504  
Ion Ratio Lower Upper  
94 100  
96 46.2 73.5 110.3#





#11

Tert butyl alcohol

Concen: 7.060 ug/l

RT: 4.929 min Scan# 513

Delta R.T. -0.019 min

Lab File: VY010331.D

Acq: 03 Sep 2022 19:29

Instrument :

MSVOA\_Y

ClientSampleId :

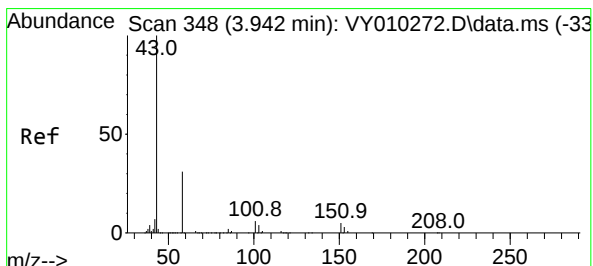
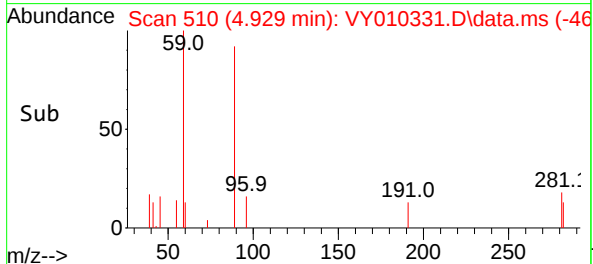
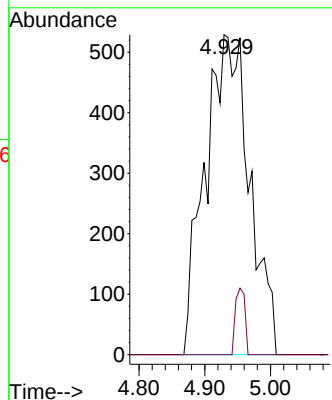
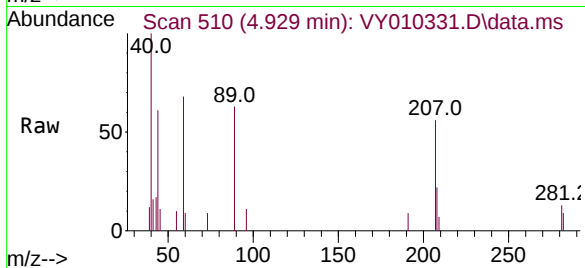
SB-10-7.5-8.0

Tgt Ion: 59 Resp: 2480

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 46.049 ug/l

RT: 3.942 min Scan# 348

Delta R.T. -0.000 min

Lab File: VY010331.D

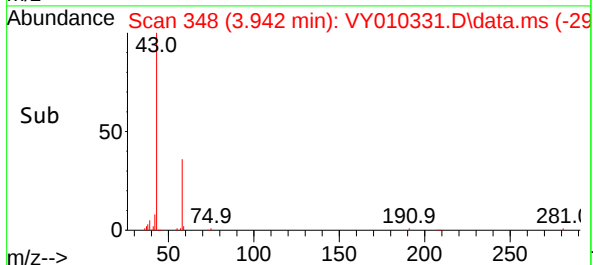
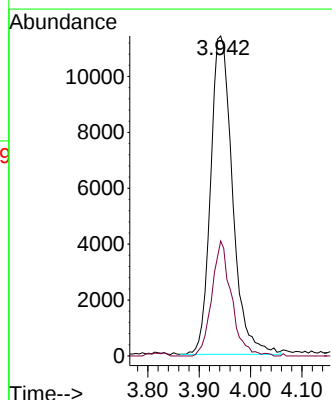
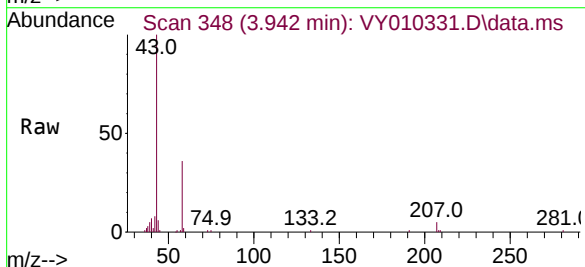
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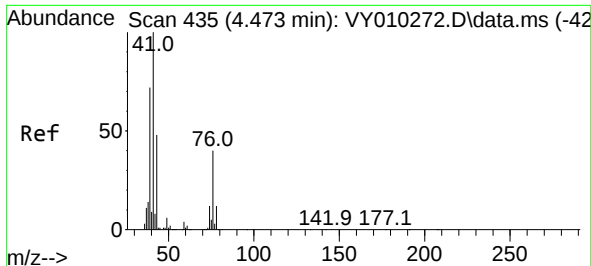
Tgt Ion: 43 Resp: 33801

Ion Ratio Lower Upper

43 100

58 36.1 22.0 33.0#

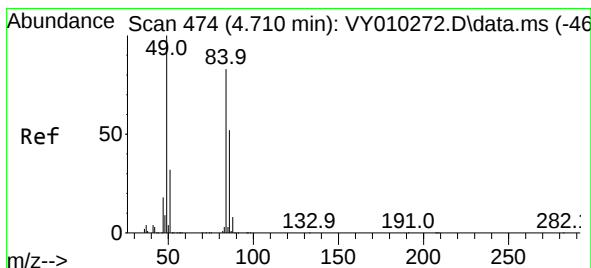
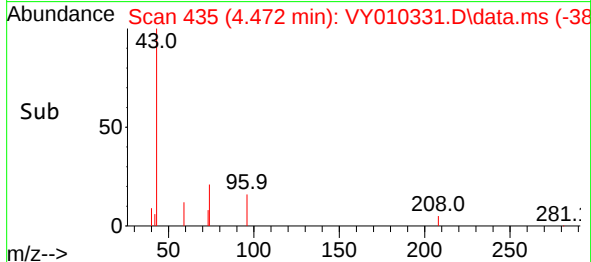
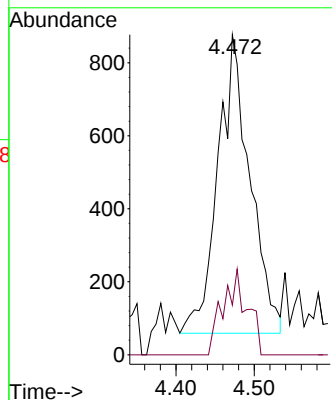
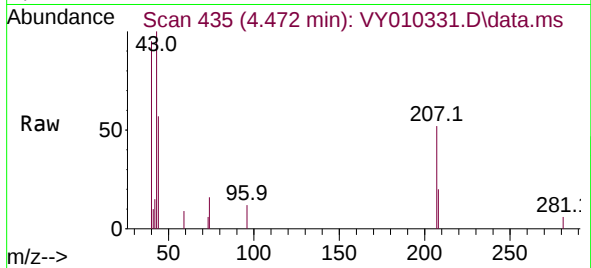




#18  
Methyl Acetate  
Concen: 1.021 ug/l  
RT: 4.472 min Scan# 41  
Delta R.T. -0.001 min  
Lab File: VY010331.D  
Acq: 03 Sep 2022 19:29

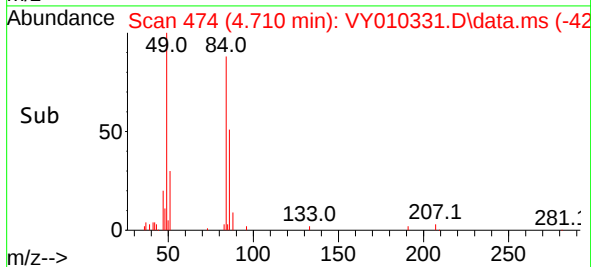
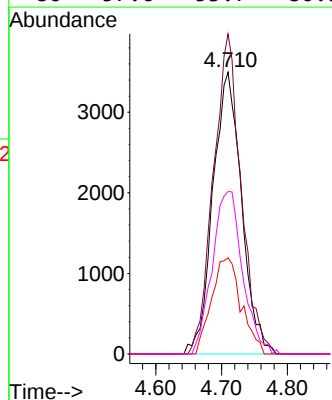
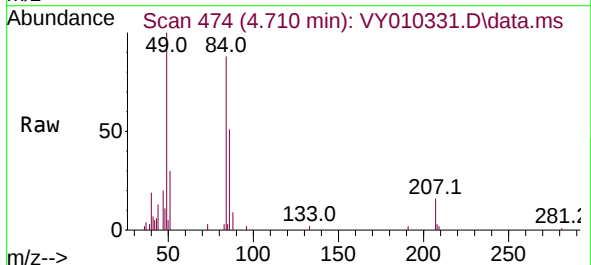
Instrument :  
MSVOA\_Y  
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SB-10-7.5-8.0

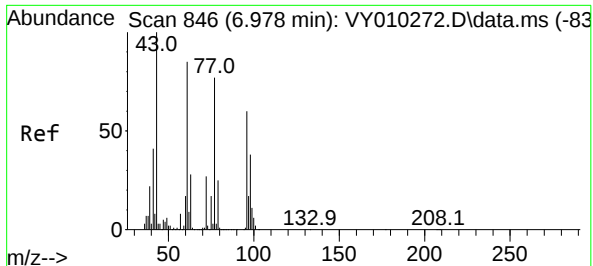
Tgt Ion: 43 Resp: 2325  
Ion Ratio Lower Upper  
43 100  
74 21.5 16.6 24.8



#20  
Methylene Chloride  
Concen: 2.987 ug/l  
RT: 4.710 min Scan# 474  
Delta R.T. -0.000 min  
Lab File: VY010331.D  
Acq: 03 Sep 2022 19:29

Tgt Ion: 84 Resp: 10580  
Ion Ratio Lower Upper  
84 100  
49 113.6 114.4 171.6#  
51 34.1 35.3 52.9#  
86 57.6 53.7 80.5





#25

2-Butanone

Concen: 5.549 ug/l

RT: 6.984 min Scan# 846

Delta R.T. 0.006 min

Lab File: VY010331.D

Acq: 03 Sep 2022 19:29

Instrument :

MSVOA\_Y

ClientSampleId :

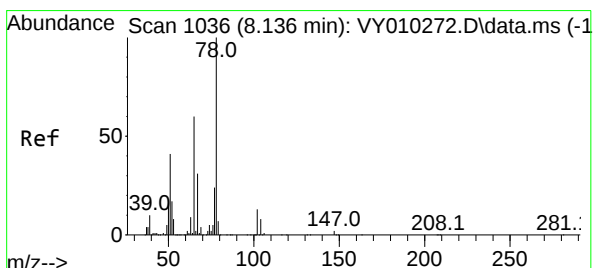
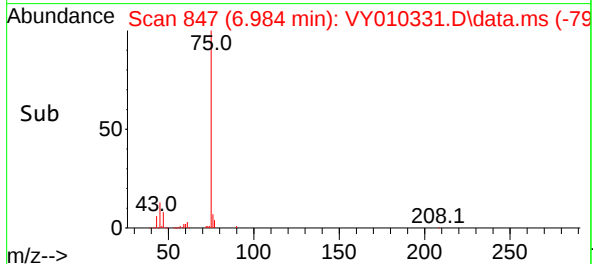
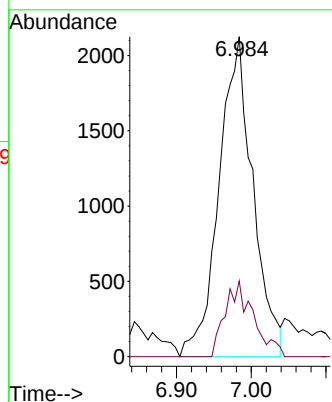
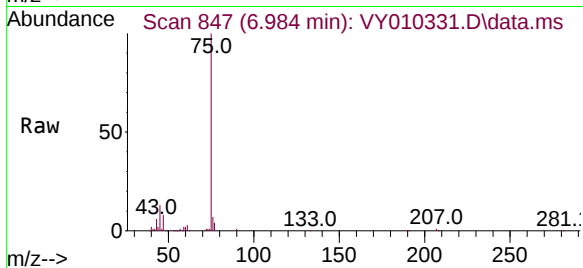
SB-10-7.5-8.0

Tgt Ion: 43 Resp: 6685

Ion Ratio Lower Upper

43 100

72 23.6 17.7 26.5



#33

1,2-Dichloroethane-d4

Concen: 52.775 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY010331.D

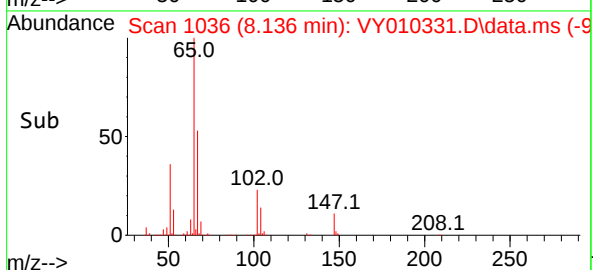
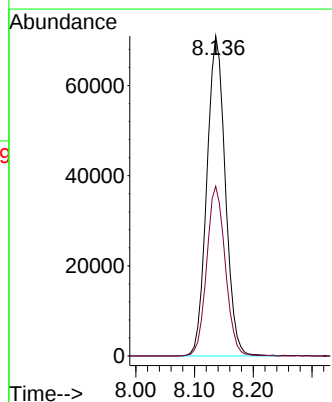
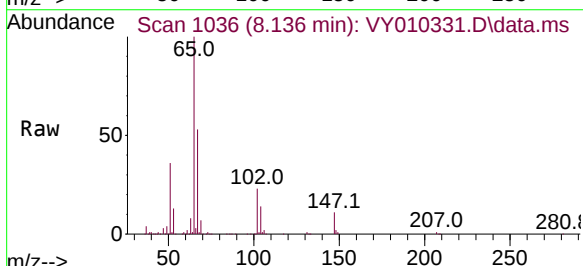
Acq: 03 Sep 2022 19:29

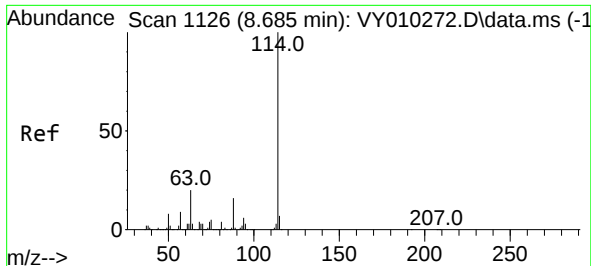
Tgt Ion: 65 Resp: 154959

Ion Ratio Lower Upper

65 100

67 53.2 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: VY010331.D

Acq: 03 Sep 2022 19:29

Instrument :

MSVOA\_Y

ClientSampleId :

SB-10-7.5-8.0

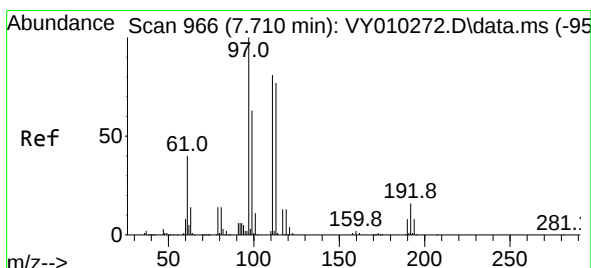
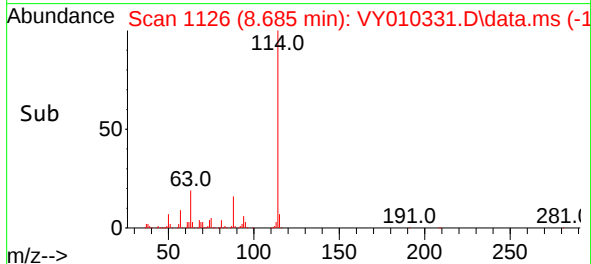
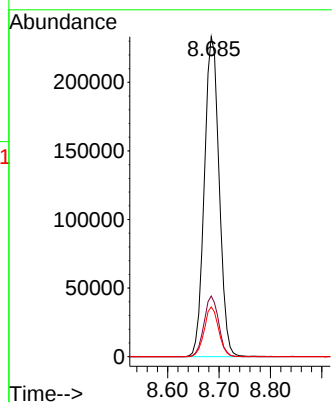
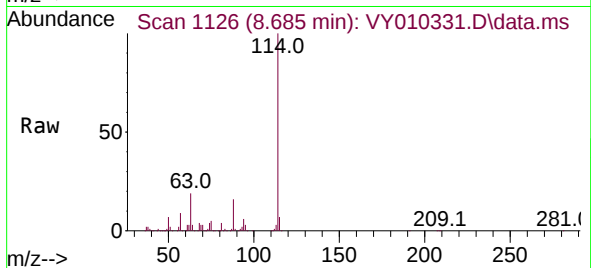
Tgt Ion:114 Resp: 466086

Ion Ratio Lower Upper

114 100

63 19.0 0.0 43.2

88 15.5 0.0 31.8



#35

Dibromofluoromethane

Concen: 45.481 ug/l

RT: 7.715 min Scan# 967

Delta R.T. 0.005 min

Lab File: VY010331.D

Acq: 03 Sep 2022 19:29

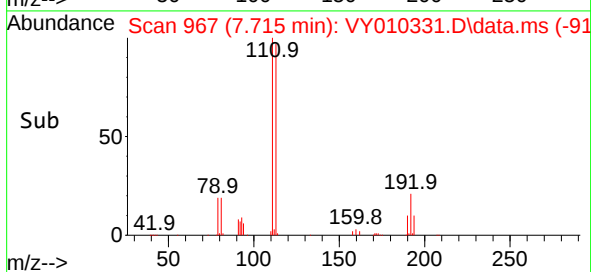
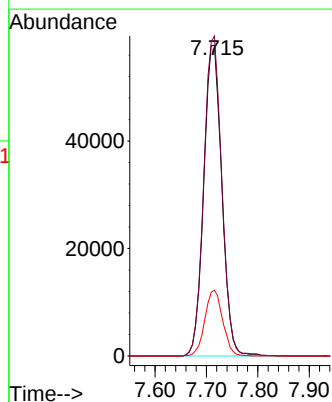
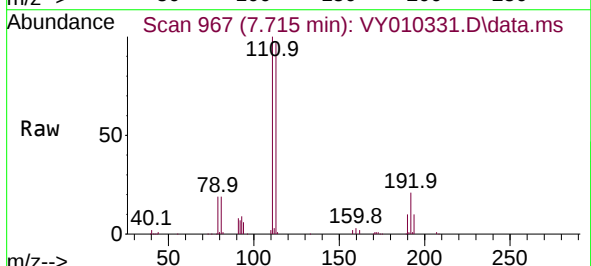
Tgt Ion:113 Resp: 141118

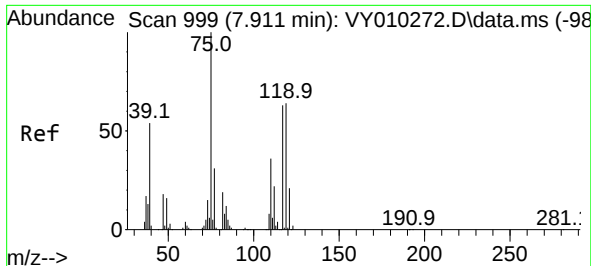
Ion Ratio Lower Upper

113 100

111 102.8 82.6 124.0

192 20.9 17.6 26.4

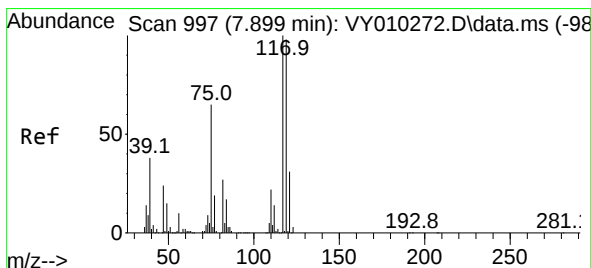
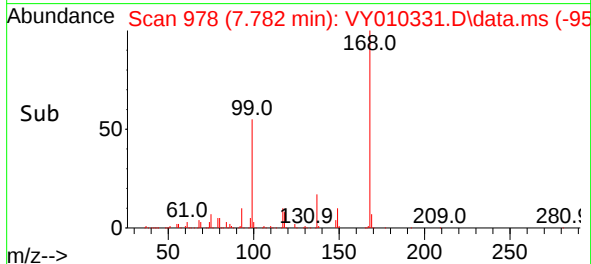
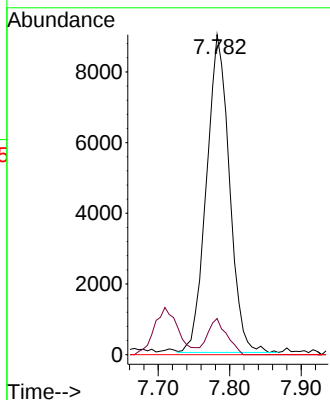
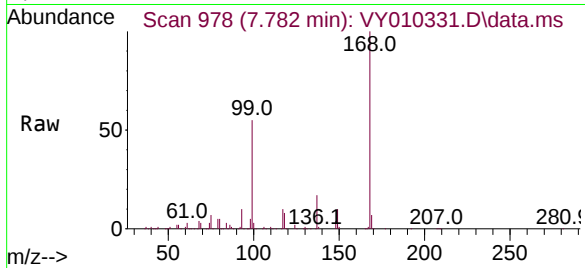




#36  
 1,1-Dichloropropene  
 Concen: 4.405 ug/l  
 RT: 7.782 min Scan# 91  
 Delta R.T. -0.129 min  
 Lab File: VY010331.D  
 Acq: 03 Sep 2022 19:29

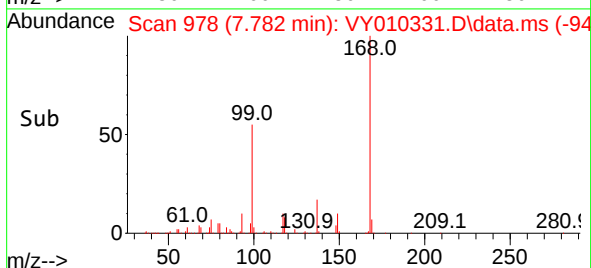
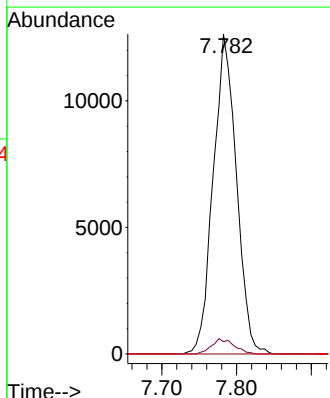
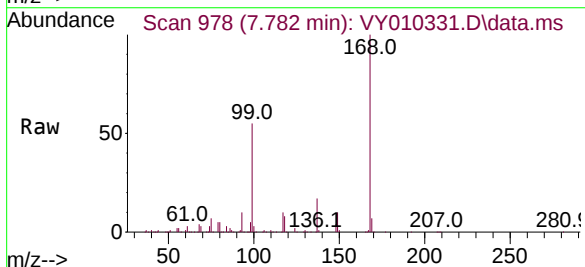
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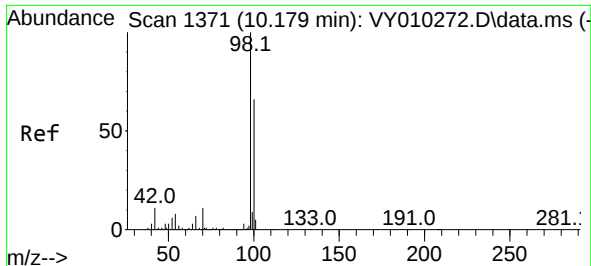
Tgt Ion: 75 Resp: 20053  
 Ion Ratio Lower Upper  
 75 100  
 110 9.3 17.1 51.2#  
 77 0.0 24.4 36.6#



#38  
 Carbon Tetrachloride  
 Concen: 5.805 ug/l  
 RT: 7.782 min Scan# 978  
 Delta R.T. -0.117 min  
 Lab File: VY010331.D  
 Acq: 03 Sep 2022 19:29

Tgt Ion: 117 Resp: 27236  
 Ion Ratio Lower Upper  
 117 100  
 119 3.9 77.9 116.9#  
 121 0.0 24.8 37.2#

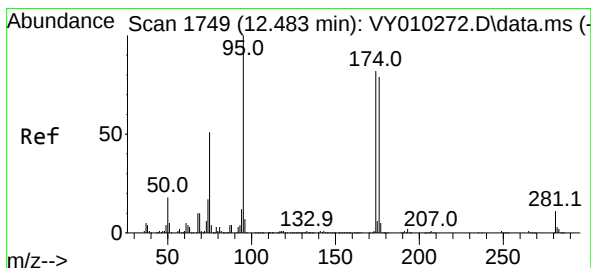
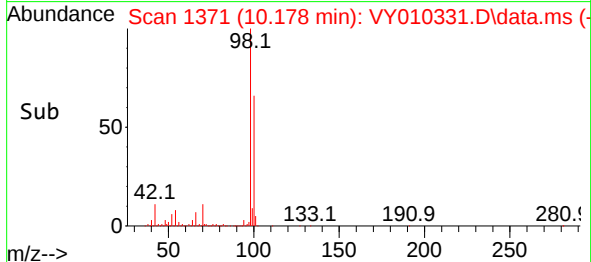
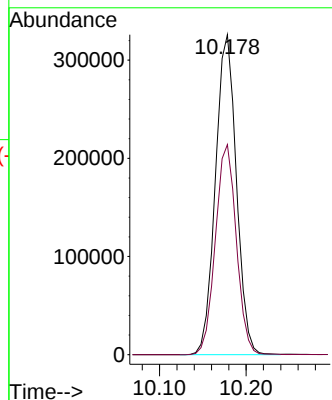
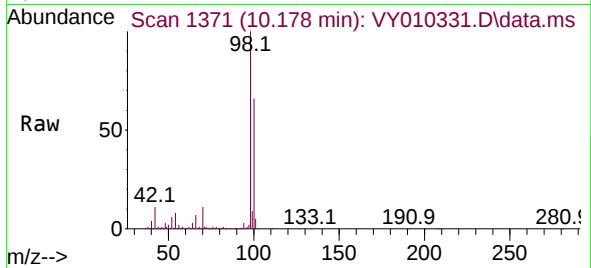




#50  
Toluene-d8  
Concen: 52.742 ug/l  
RT: 10.178 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY010331.D  
Acq: 03 Sep 2022 19:29

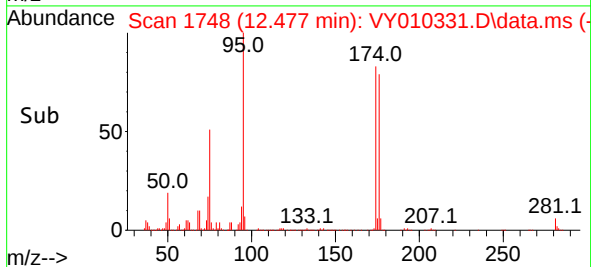
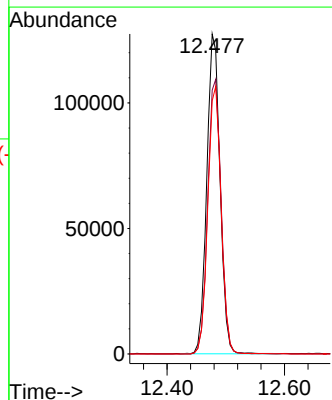
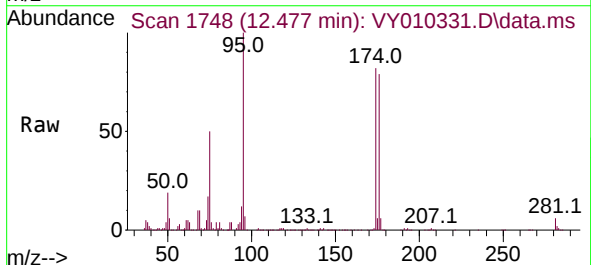
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10-7.5-8.0

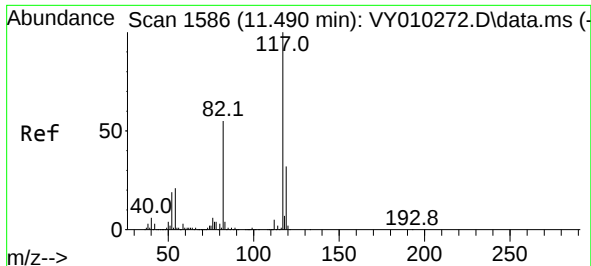
Tgt Ion: 98 Resp: 547894  
Ion Ratio Lower Upper  
98 100  
100 65.6 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 47.709 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.006 min  
Lab File: VY010331.D  
Acq: 03 Sep 2022 19:29

Tgt Ion: 95 Resp: 199690  
Ion Ratio Lower Upper  
95 100  
174 86.7 0.0 177.0  
176 84.3 0.0 175.8

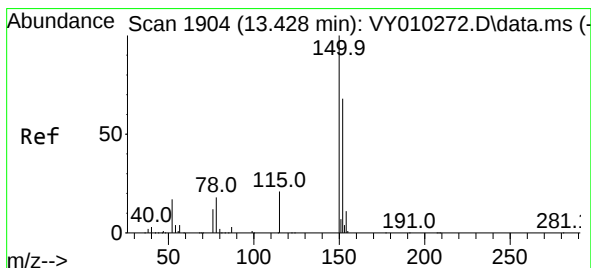
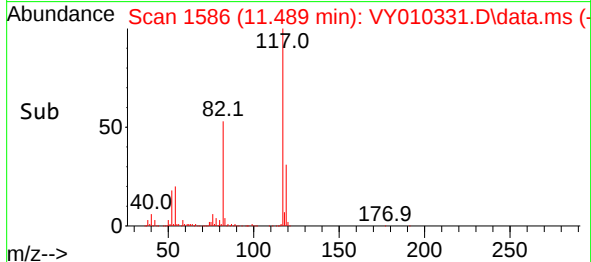
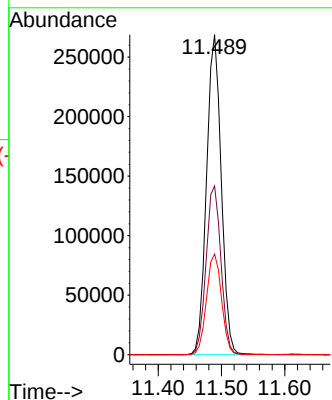
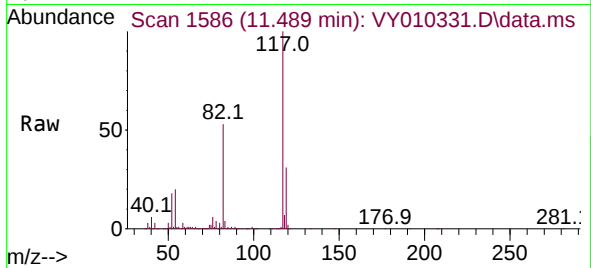




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY010331.D  
Acq: 03 Sep 2022 19:29

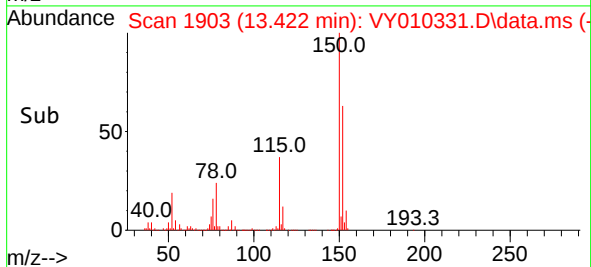
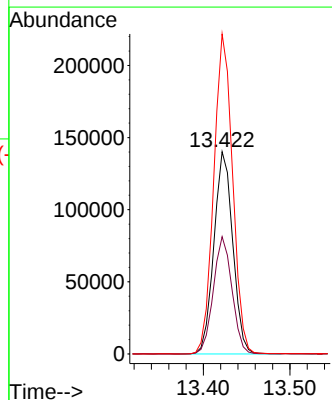
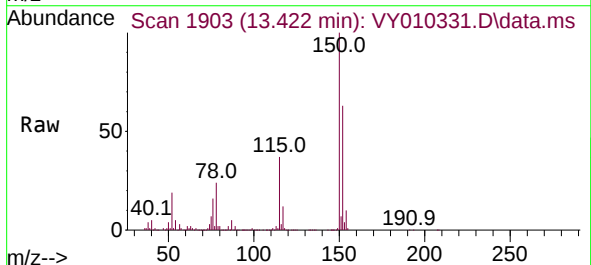
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10-7.5-8.0

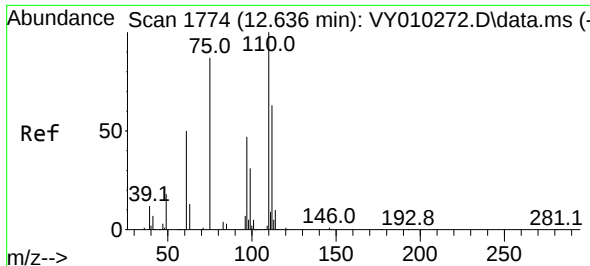
Tgt Ion:117 Resp: 434870  
Ion Ratio Lower Upper  
117 100  
82 52.7 43.0 64.4  
119 31.4 25.4 38.0



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. -0.006 min  
Lab File: VY010331.D  
Acq: 03 Sep 2022 19:29

Tgt Ion:152 Resp: 211962  
Ion Ratio Lower Upper  
152 100  
115 57.3 28.2 84.7  
150 158.1 0.0 347.6

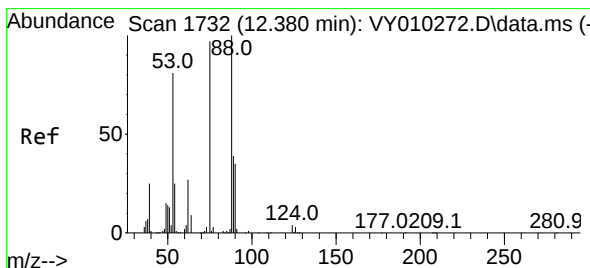
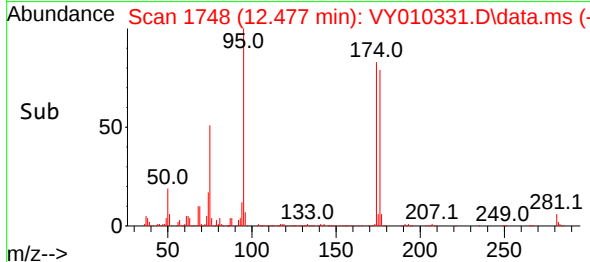
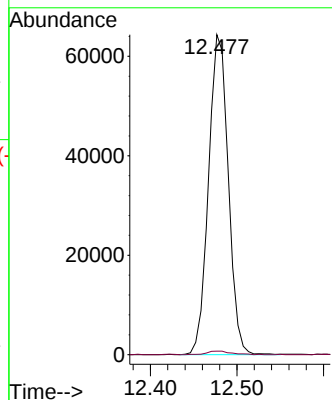
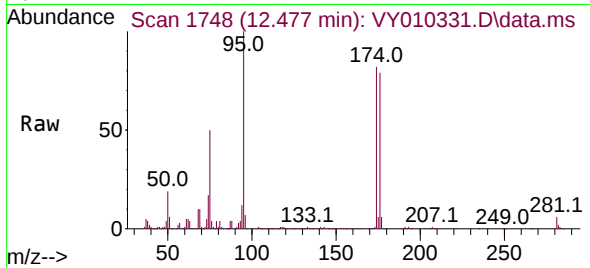




#76  
1,2,3-Trichloropropane  
Concen: 40.409 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.159 min  
Lab File: VY010331.D  
Acq: 03 Sep 2022 19:29

Instrument :  
MSVOA\_Y  
ClientSampleId :  
SB-10-7.5-8.0

Tgt Ion: 75 Resp: 101928  
Ion Ratio Lower Upper  
75 100  
77 1.4 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 84.297 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.097 min  
Lab File: VY010331.D  
Acq: 03 Sep 2022 19:29

Tgt Ion: 75 Resp: 101928  
Ion Ratio Lower Upper  
75 100  
53 0.1 85.3 127.9#  
89 0.0 37.0 55.4#

