

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102822\  
 Data File : VY011178.D  
 Acq On : 29 Oct 2022 00:51  
 Operator : KP/MD  
 Sample : N5327-01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 41 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LACY-05

Quant Time: Oct 29 01:41:33 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102822S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Oct 28 23:42:14 2022  
 Response via : Initial Calibration

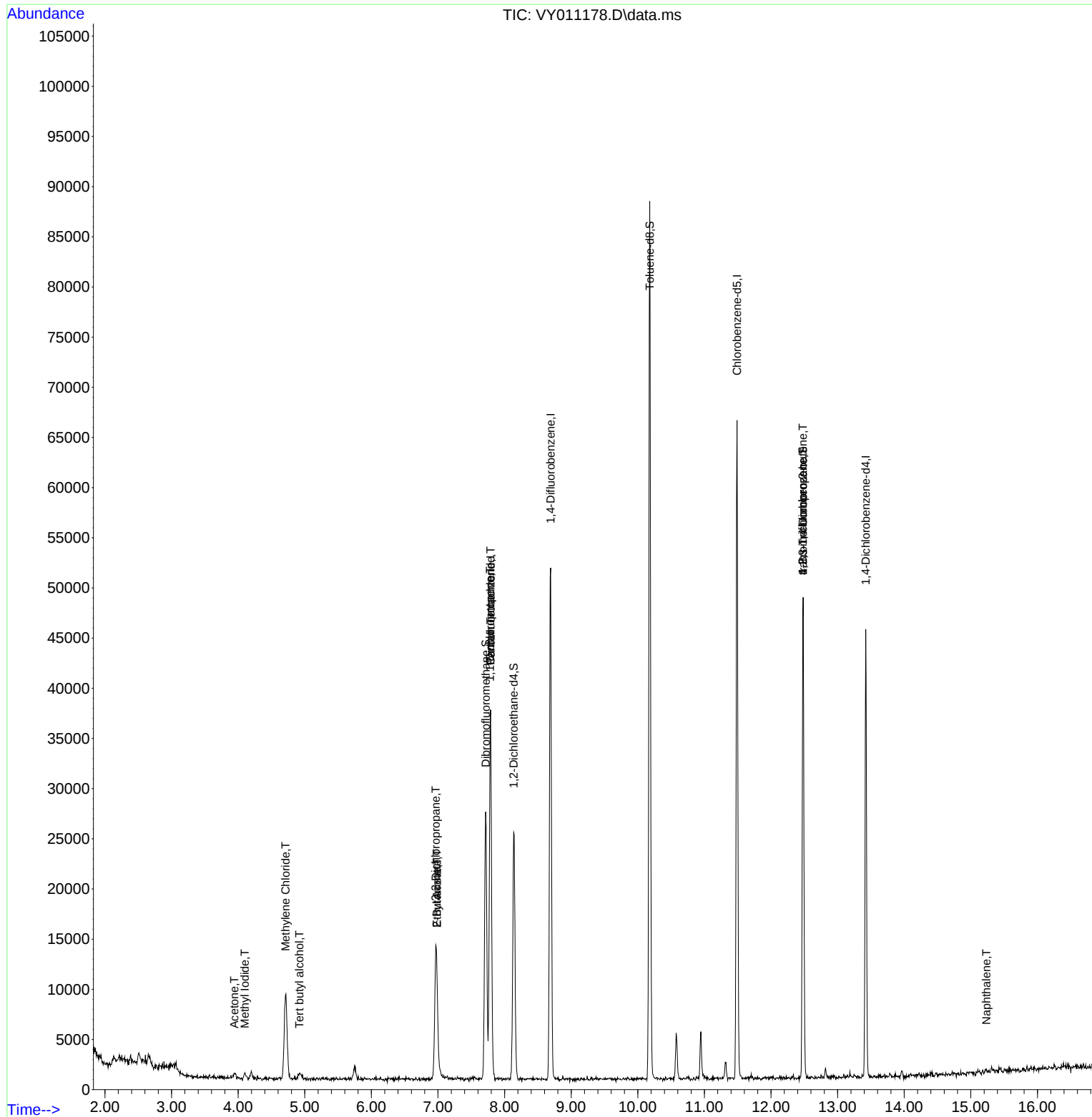
| Compound                      | R.T.           | QIon | Response            | Conc      | Units  | Dev(Min) |
|-------------------------------|----------------|------|---------------------|-----------|--------|----------|
| -----                         |                |      |                     |           |        |          |
| Internal Standards            |                |      |                     |           |        |          |
| 1) Pentafluorobenzene         | 7.789          | 168  | 29269               | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691          | 114  | 45585               | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490         | 117  | 37905               | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422         | 152  | 12420               | 50.000    | ug/l   | 0.00     |
|                               |                |      |                     |           |        |          |
| System Monitoring Compounds   |                |      |                     |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.136          | 65   | 19391               | 64.071    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 50 - 163 |      | Recovery = 128.140% |           |        |          |
| 35) Dibromofluoromethane      | 7.716          | 113  | 19295               | 68.830    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 54 - 147 |      | Recovery = 137.660% |           |        |          |
| 50) Toluene-d8                | 10.179         | 98   | 60326               | 54.319    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 49 - 140 |      | Recovery = 108.640% |           |        |          |
| 62) 4-Bromofluorobenzene      | 12.477         | 95   | 14649               | 40.312    | ug/l   | 0.00     |
| Spiked Amount 50.000          | Range 25 - 144 |      | Recovery = 80.620%  |           |        |          |
|                               |                |      |                     |           |        |          |
| Target Compounds              |                |      |                     |           |        |          |
|                               |                |      |                     |           | Qvalue |          |
| 3) Chloromethane              | 2.119          | 50   | 246                 | Below Cal | #      | 44       |
| 4) Vinyl Chloride             | 2.509          | 62   | 25                  | Below Cal | #      | 43       |
| 5) Bromomethane               | 2.680          | 94   | 369                 | Below Cal |        | 90       |
| 10) Methyl Iodide             | 4.101          | 142  | 777                 | 2.715     | ug/l # | 80       |
| 11) Tert butyl alcohol        | 4.918          | 59   | 748                 | 21.636    | ug/l # | 77       |
| 16) Acetone                   | 3.942          | 43   | 1150                | 15.530    | ug/l # | 81       |
| 18) Methyl Acetate            | 4.485          | 43   | 49                  | Below Cal | #      | 56       |
| 20) Methylene Chloride        | 4.710          | 84   | 6742                | 17.695    | ug/l # | 76       |
| 25) 2-Butanone                | 6.984          | 43   | 313                 | 2.949     | ug/l # | 54       |
| 26) 2,2-Dichloropropane       | 6.966          | 77   | 987                 | 2.130     | ug/l # | 55       |
| 31) Cyclohexane               | 7.783          | 56   | 518                 | Below Cal | #      | 1        |
| 36) 1,1-Dichloropropene       | 7.783          | 75   | 2469                | 6.756     | ug/l # | 47       |
| 37) Ethyl Acetate             | 6.984          | 43   | 313                 | 1.514     | ug/l # | 72       |
| 38) Carbon Tetrachloride      | 7.789          | 117  | 2957                | 7.428     | ug/l # | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477         | 75   | 7446                | 57.664    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477         | 75   | 7446                | 122.460   | ug/l # | 7        |
| 95) Naphthalene               | 15.233         | 128  | 164                 | 4.690     | ug/l # | 69       |
| -----                         |                |      |                     |           |        |          |

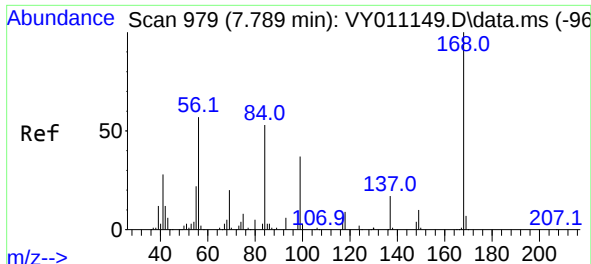
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY102822\  
Data File : VY011178.D  
Acq On : 29 Oct 2022 00:51  
Operator : KP/MD  
Sample : N5327-01  
Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LACY-05

Quant Time: Oct 29 01:41:33 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y102822S.M  
Quant Title : SW846 8260  
QLast Update : Fri Oct 28 23:42:14 2022  
Response via : Initial Calibration

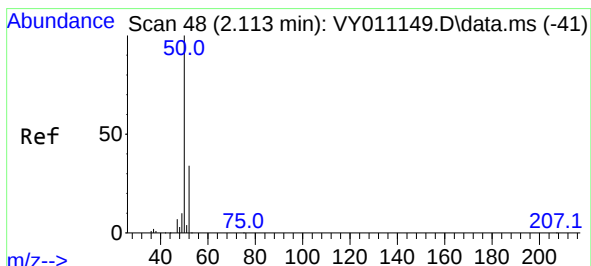
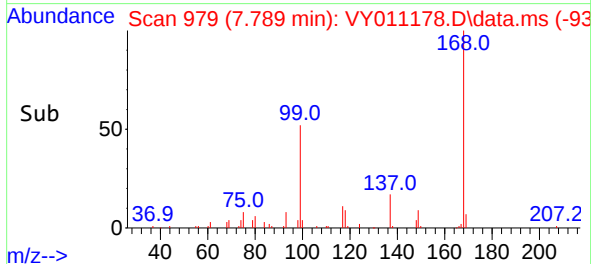
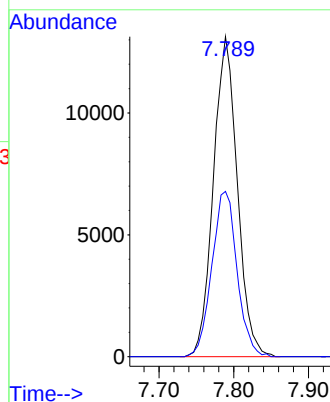
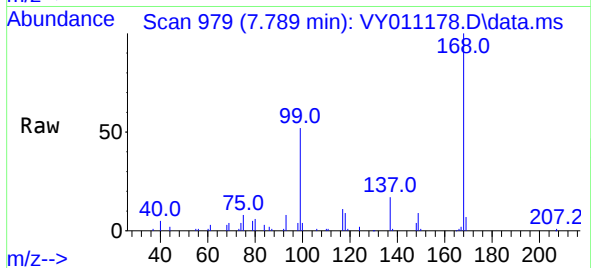




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

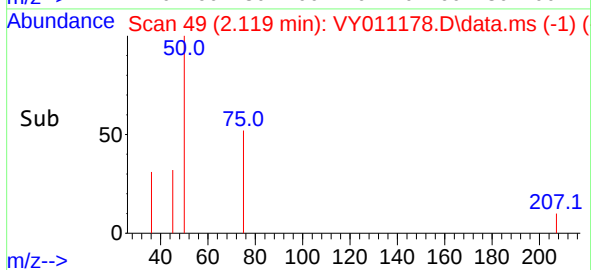
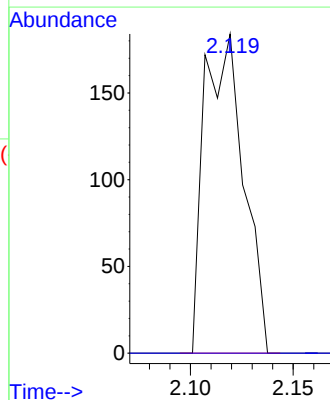
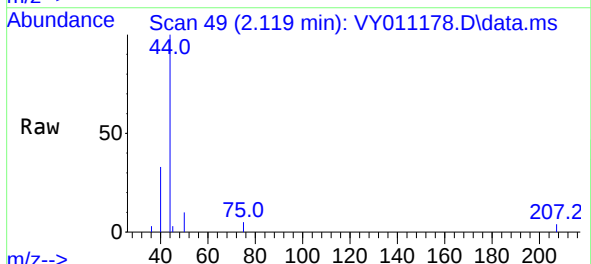
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LACY-05

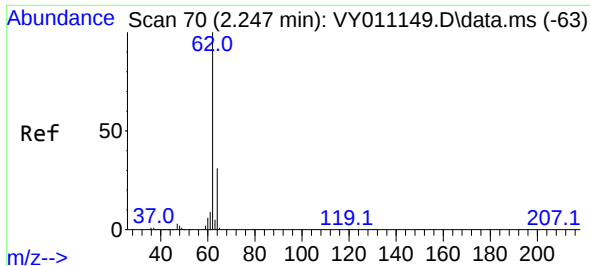
Tgt Ion:168 Resp: 29269  
Ion Ratio Lower Upper  
168 100  
99 51.7 46.9 70.3



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.119 min Scan# 49  
Delta R.T. 0.006 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

Tgt Ion: 50 Resp: 246  
Ion Ratio Lower Upper  
50 100  
52 0.0 24.6 37.0#

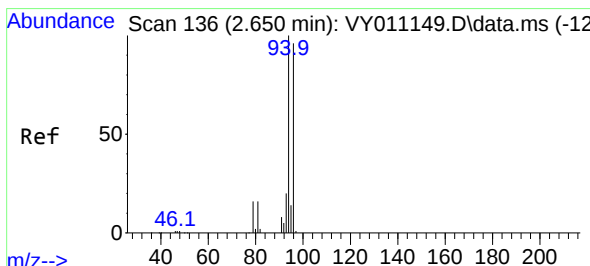
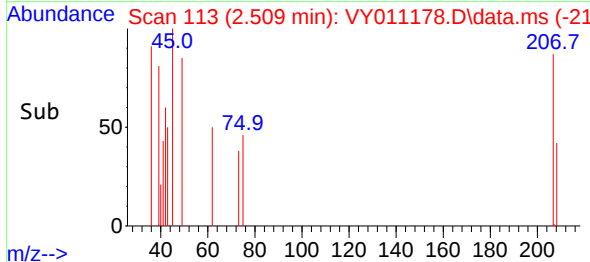
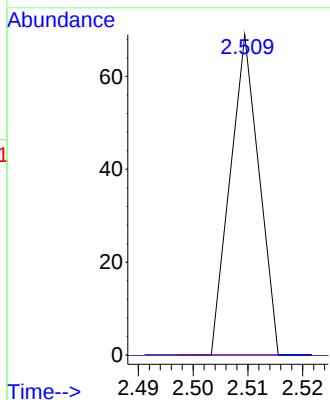
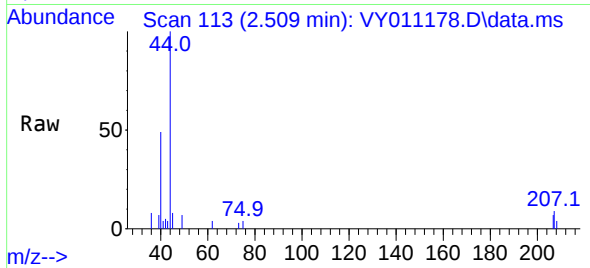




#4  
 Vinyl Chloride  
 Concen: Below Cal  
 RT: 2.509 min Scan# 11  
 Delta R.T. 0.262 min  
 Lab File: VY011178.D  
 Acq: 29 Oct 2022 00:51

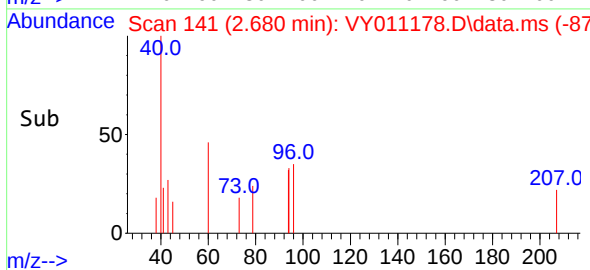
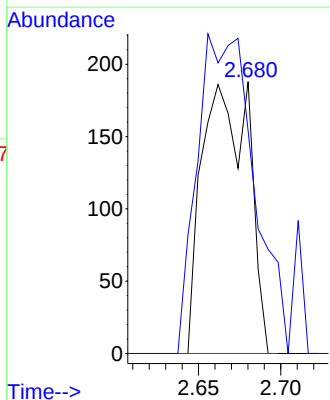
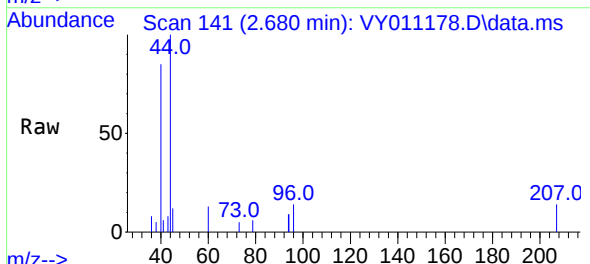
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 LACY-05

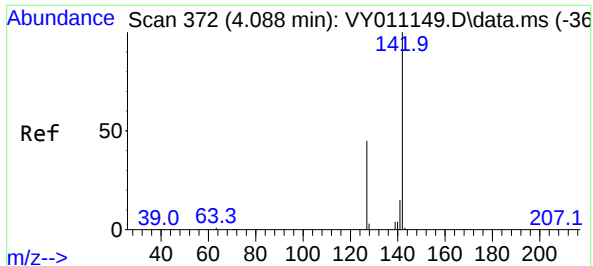
Tgt Ion: 62 Resp: 25  
 Ion Ratio Lower Upper  
 62 100  
 64 0.0 25.0 37.6#



#5  
 Bromomethane  
 Concen: Below Cal  
 RT: 2.680 min Scan# 141  
 Delta R.T. 0.030 min  
 Lab File: VY011178.D  
 Acq: 29 Oct 2022 00:51

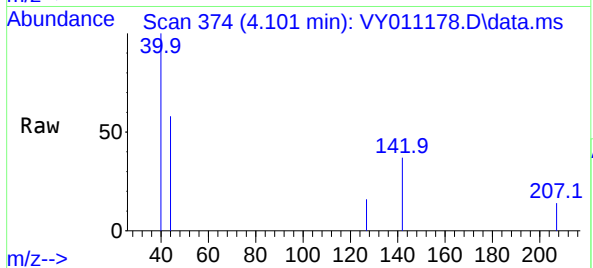
Tgt Ion: 94 Resp: 369  
 Ion Ratio Lower Upper  
 94 100  
 96 81.9 73.5 110.3



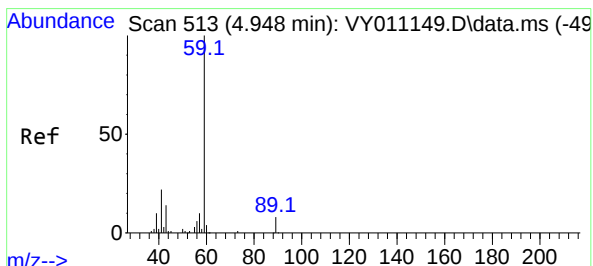
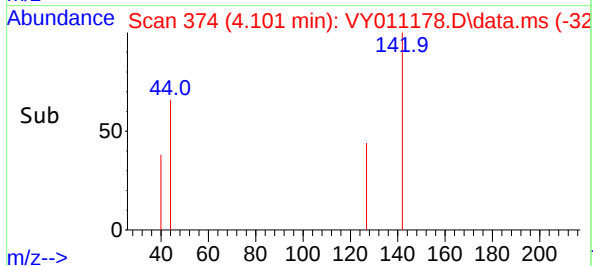
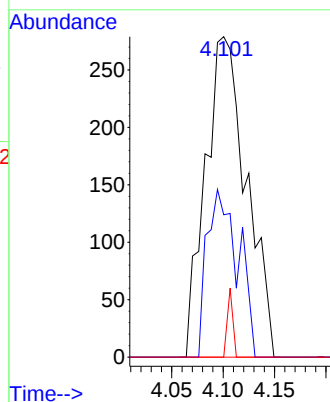


#10  
Methyl Iodide  
Concen: 2.715 ug/l  
RT: 4.101 min Scan# 31  
Delta R.T. 0.013 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LACY-05

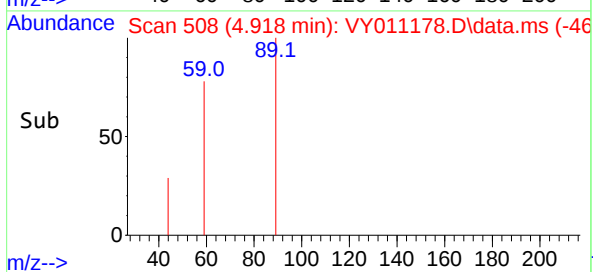
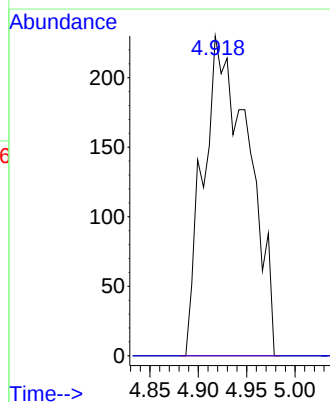
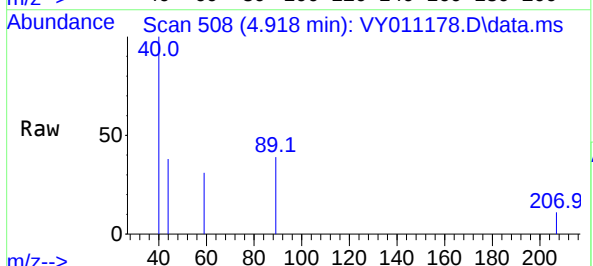


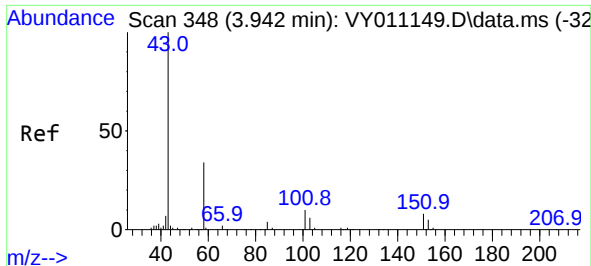
Tgt Ion:142 Resp: 777  
Ion Ratio Lower Upper  
142 100  
127 39.6 41.5 62.3#  
141 2.8 11.9 17.9#



#11  
Tert butyl alcohol  
Concen: 21.636 ug/l  
RT: 4.918 min Scan# 508  
Delta R.T. -0.030 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

Tgt Ion: 59 Resp: 748  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

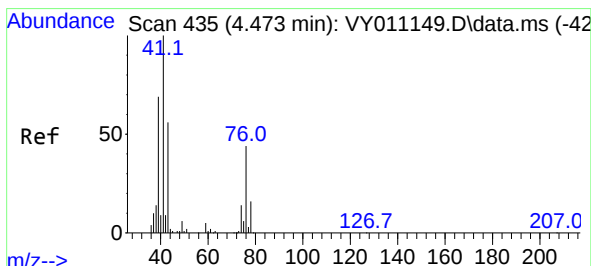
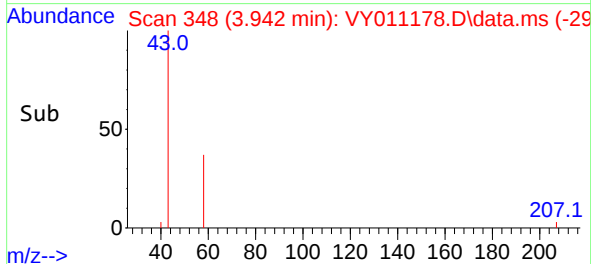
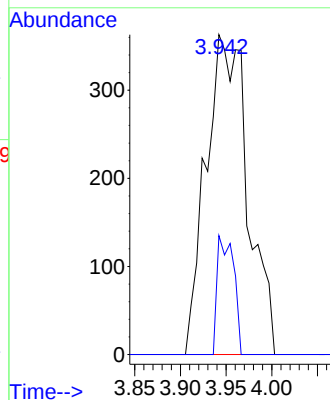
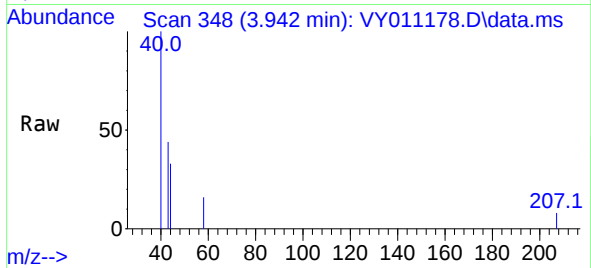




#16  
Acetone  
Concen: 15.530 ug/l  
RT: 3.942 min Scan# 34  
Delta R.T. 0.000 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

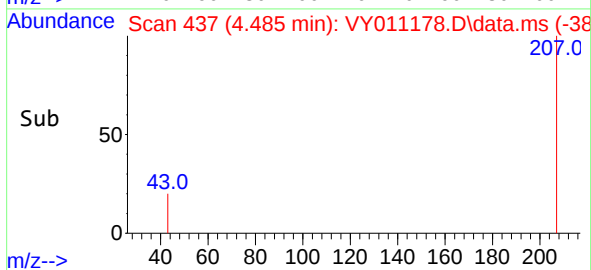
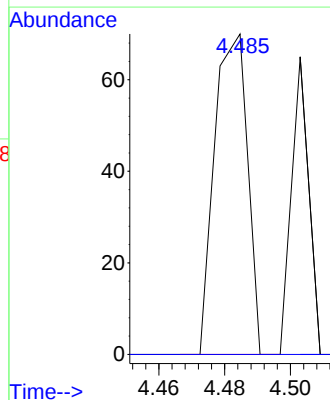
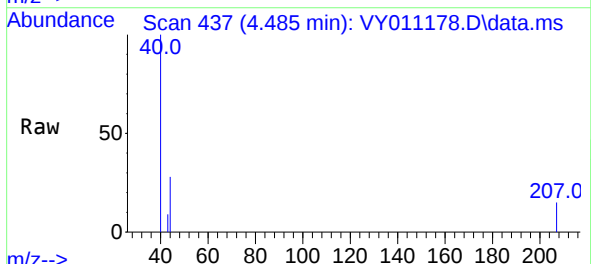
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LACY-05

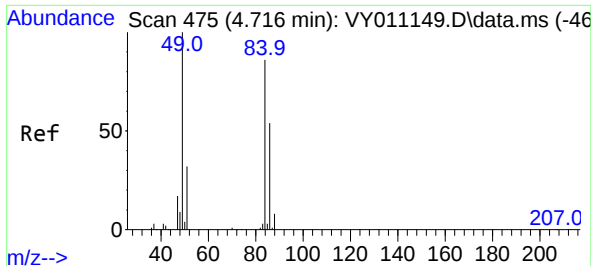
Tgt Ion: 43 Resp: 1150  
Ion Ratio Lower Upper  
43 100  
58 37.2 22.0 33.0#



#18  
Methyl Acetate  
Concen: Below Cal  
RT: 4.485 min Scan# 437  
Delta R.T. 0.012 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

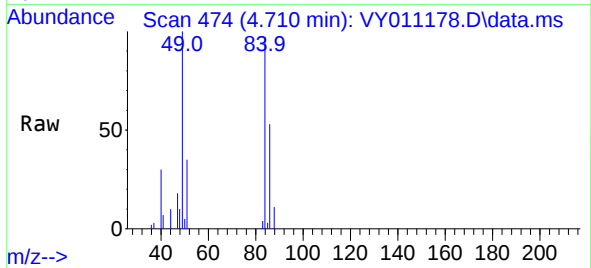
Tgt Ion: 43 Resp: 49  
Ion Ratio Lower Upper  
43 100  
74 0.0 16.6 24.8#



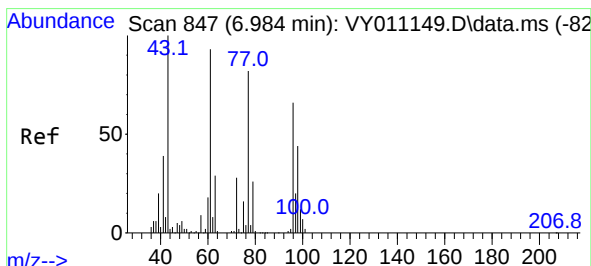
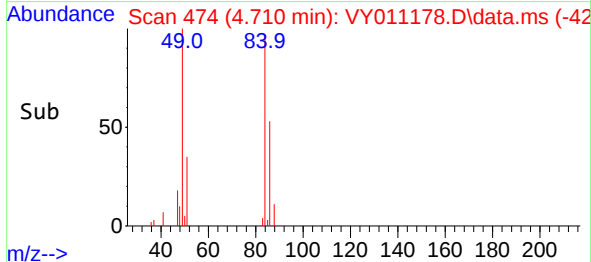
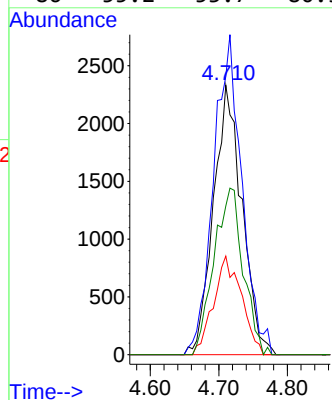


#20  
Methylene Chloride  
Concen: 17.695 ug/l  
RT: 4.710 min Scan# 41  
Delta R.T. -0.006 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

Instrument :  
MSVOA\_Y  
ClientSampleId :  
LACY-05

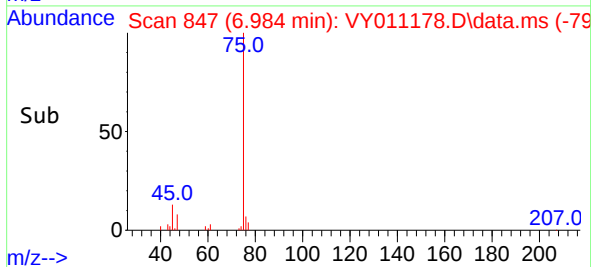
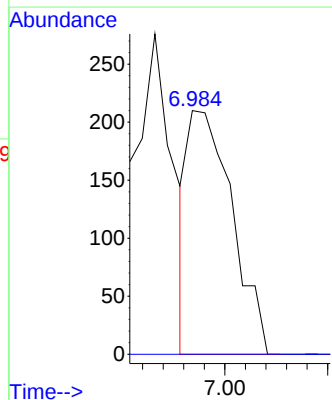
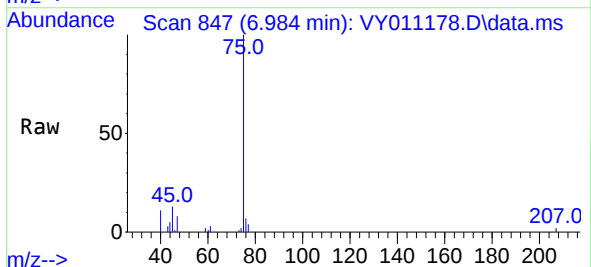


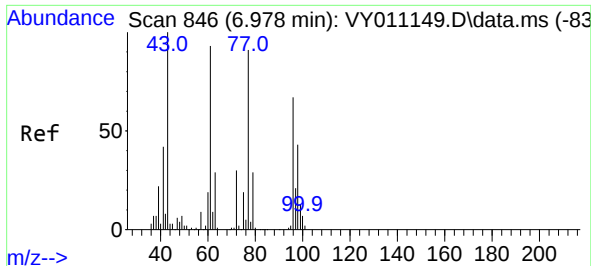
Tgt Ion: 84 Resp: 6742  
Ion Ratio Lower Upper  
84 100  
49 103.3 114.4 171.6#  
51 36.6 35.3 52.9  
86 55.2 53.7 80.5



#25  
2-Butanone  
Concen: 2.949 ug/l  
RT: 6.984 min Scan# 847  
Delta R.T. 0.000 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

Tgt Ion: 43 Resp: 313  
Ion Ratio Lower Upper  
43 100  
72 0.0 17.7 26.5#





#26

2,2-Dichloropropane

Concen: 2.130 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.012 min

Lab File: VY011178.D

Acq: 29 Oct 2022 00:51

Instrument :

MSVOA\_Y

ClientSampleId :

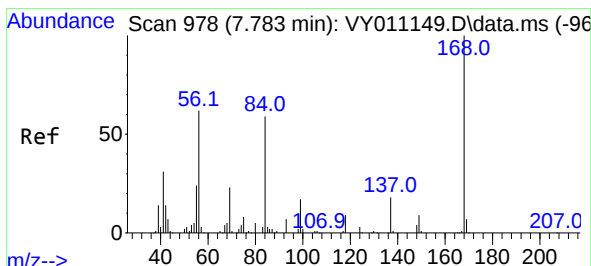
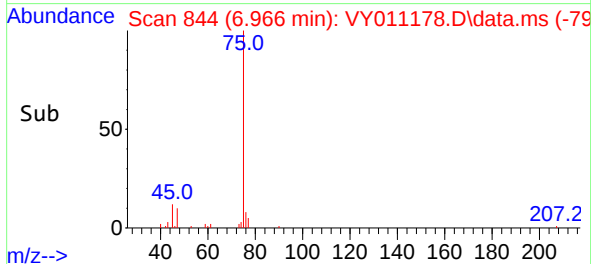
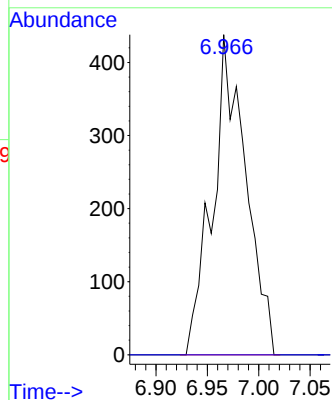
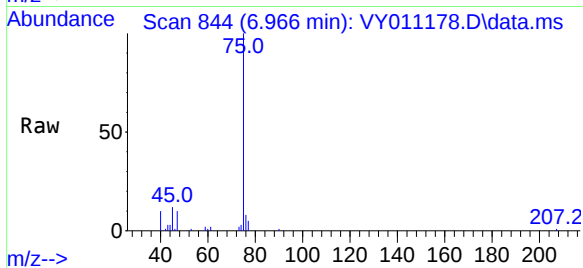
LACY-05

Tgt Ion: 77 Resp: 987

Ion Ratio Lower Upper

77 100

97 0.0 10.4 31.4#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. -0.000 min

Lab File: VY011178.D

Acq: 29 Oct 2022 00:51

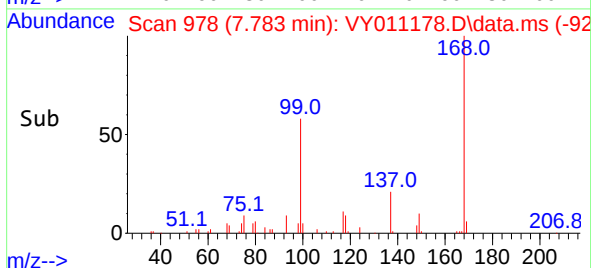
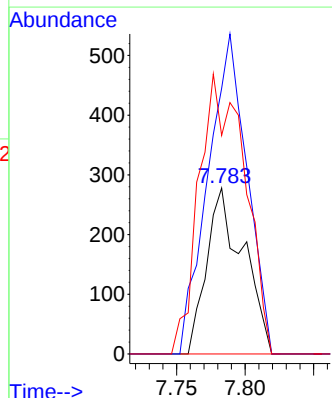
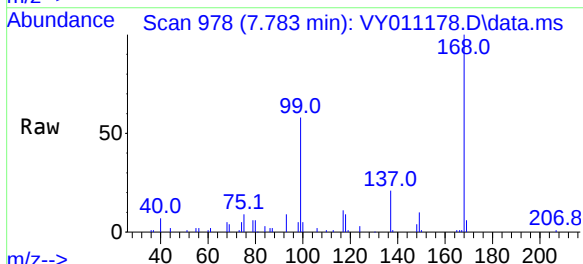
Tgt Ion: 56 Resp: 518

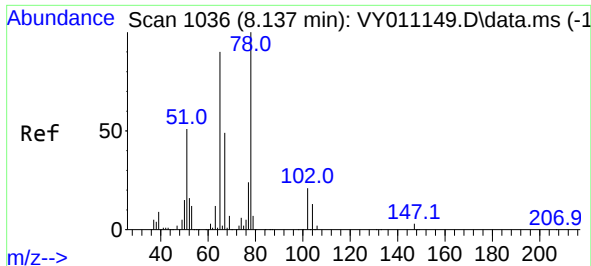
Ion Ratio Lower Upper

56 100

69 160.1 26.7 40.1#

84 131.7 67.2 100.8#

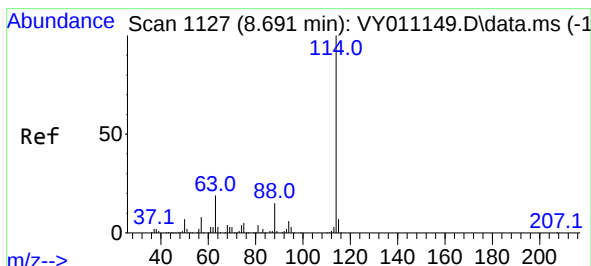
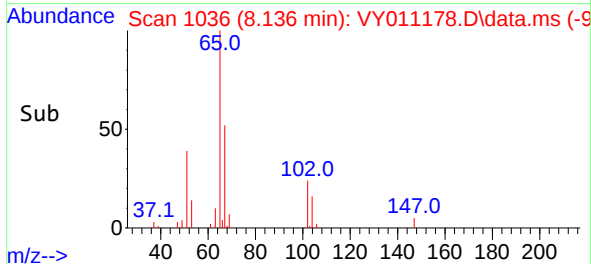
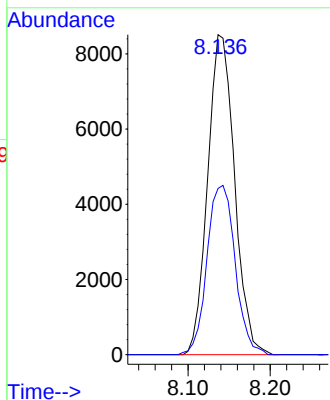
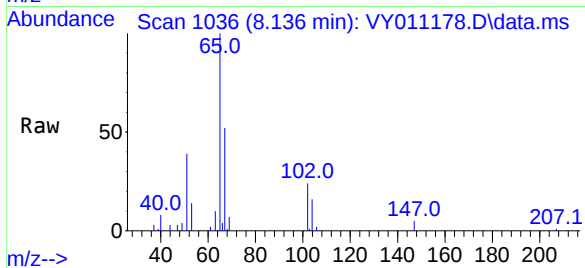




#33  
1,2-Dichloroethane-d4  
Concen: 64.071 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.001 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

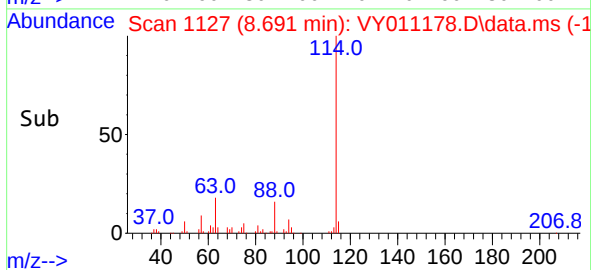
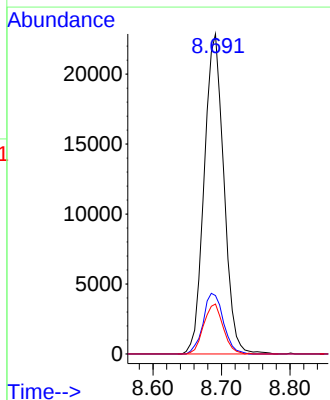
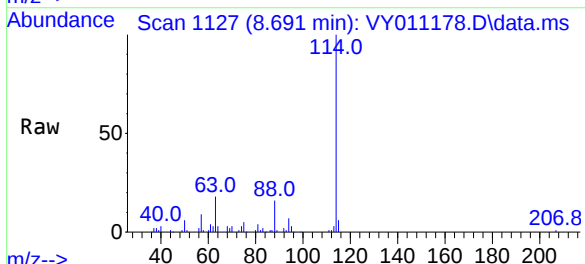
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LACY-05

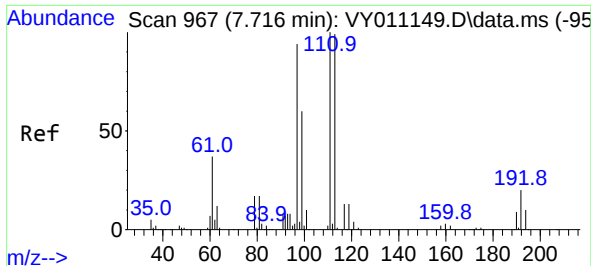
Tgt Ion: 65 Resp: 19391  
Ion Ratio Lower Upper  
65 100  
67 55.3 0.0 99.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

Tgt Ion: 114 Resp: 45585  
Ion Ratio Lower Upper  
114 100  
63 18.3 0.0 43.2  
88 15.6 0.0 31.8

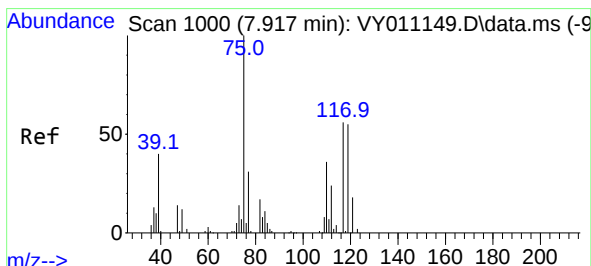
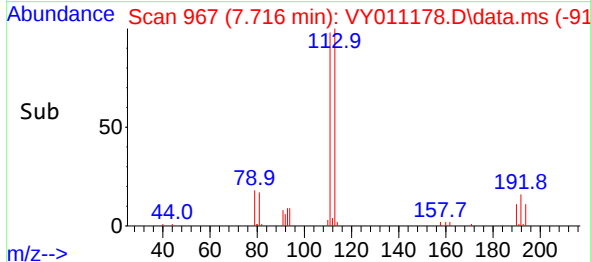
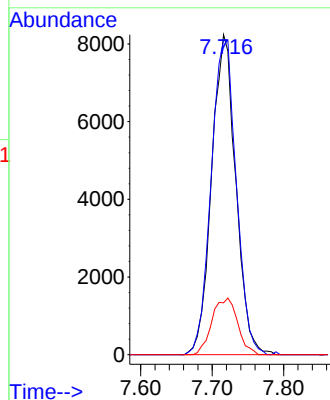
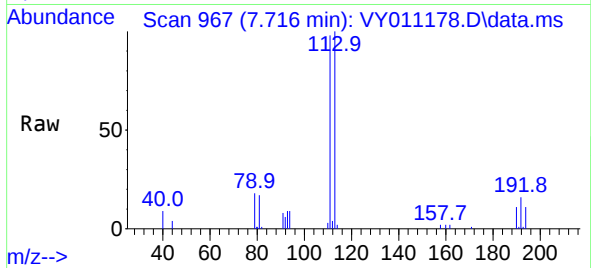




#35  
Dibromofluoromethane  
Concen: 68.830 ug/l  
RT: 7.716 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

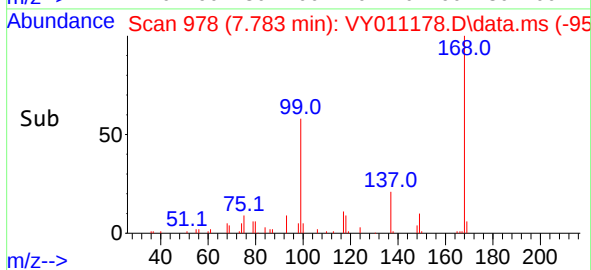
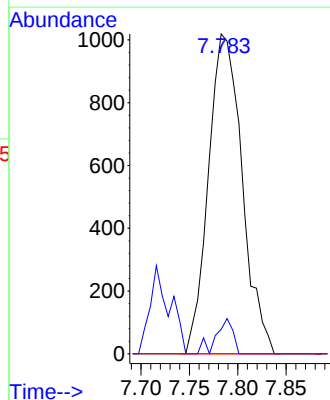
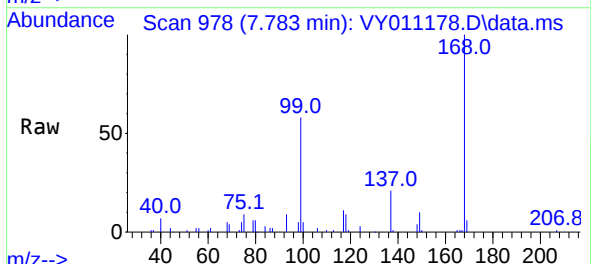
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LACY-05

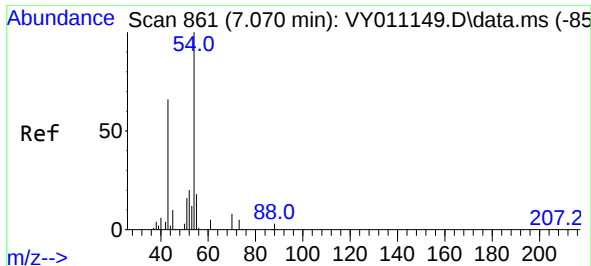
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 19295 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.6 | 82.6  | 124.0 |
| 192      | 18.8  | 17.6  | 26.4  |



#36  
1,1-Dichloropropene  
Concen: 6.756 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.134 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 2469  |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 110      | 5.5   | 17.1  | 51.2# |
| 77       | 0.0   | 24.4  | 36.6# |





#37

Ethyl Acetate

Concen: 1.514 ug/l

RT: 6.984 min Scan# 847

Delta R.T. -0.086 min

Lab File: VY011178.D

Acq: 29 Oct 2022 00:51

Instrument :

MSVOA\_Y

ClientSampleId :

LACY-05

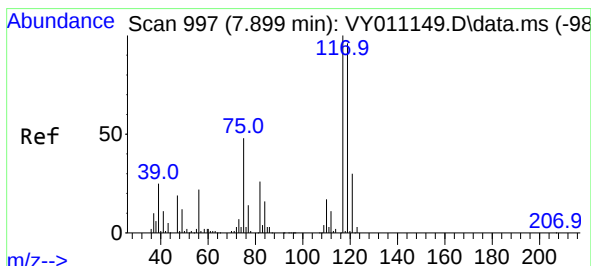
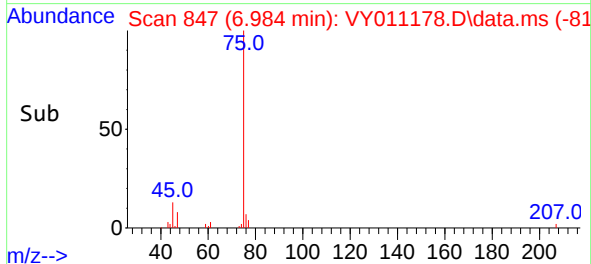
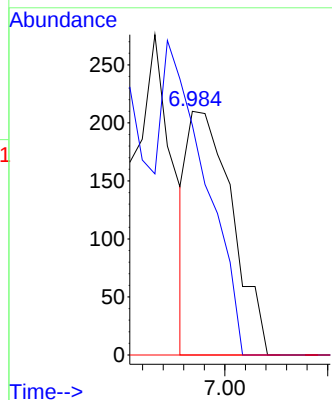
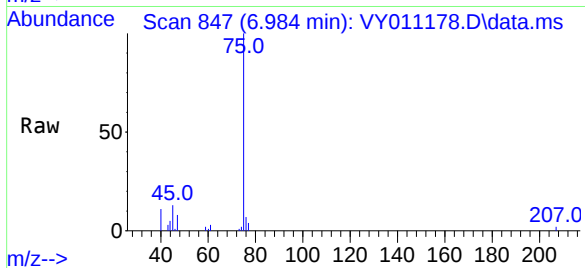
Tgt Ion: 43 Resp: 313

Ion Ratio Lower Upper

43 100

61 0.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 7.428 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY011178.D

Acq: 29 Oct 2022 00:51

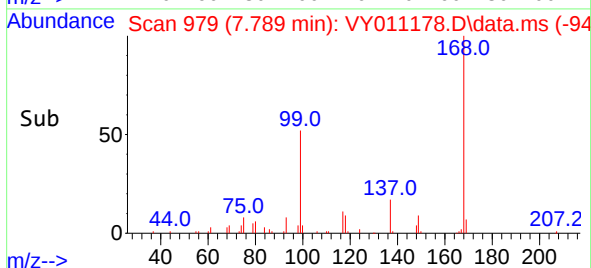
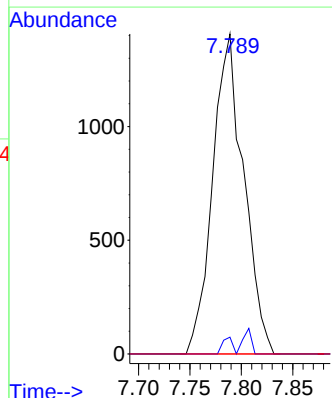
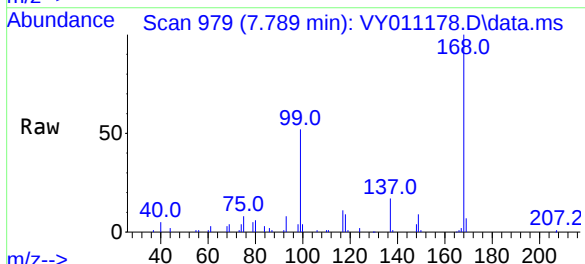
Tgt Ion: 117 Resp: 2957

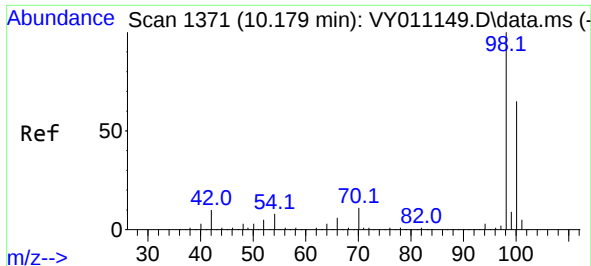
Ion Ratio Lower Upper

117 100

119 5.3 77.9 116.9#

121 0.0 24.8 37.2#

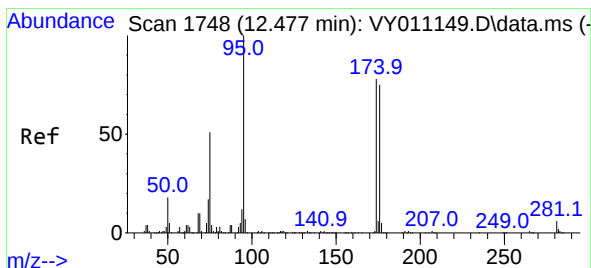
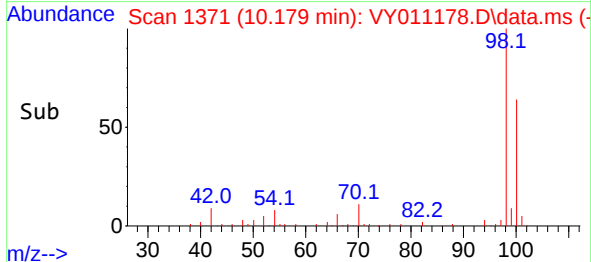
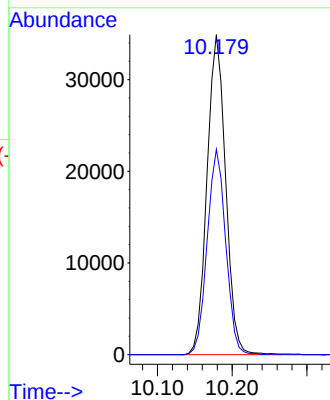
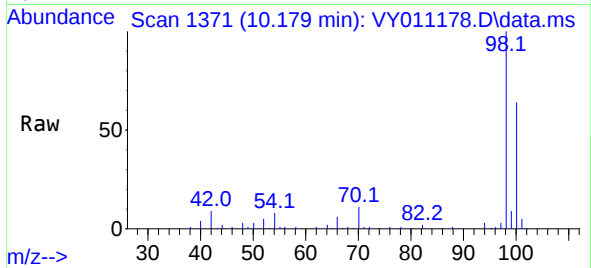




#50  
Toluene-d8  
Concen: 54.319 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

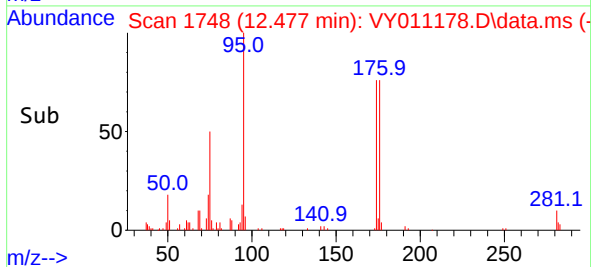
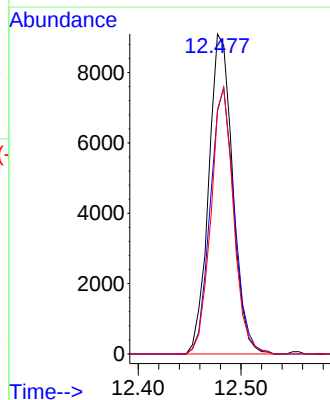
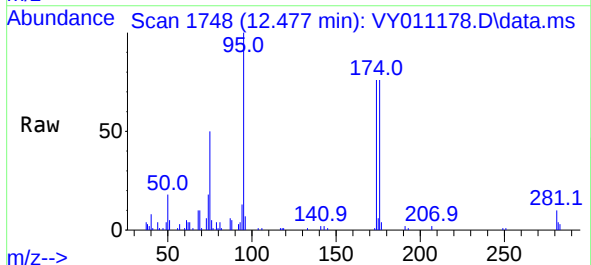
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LACY-05

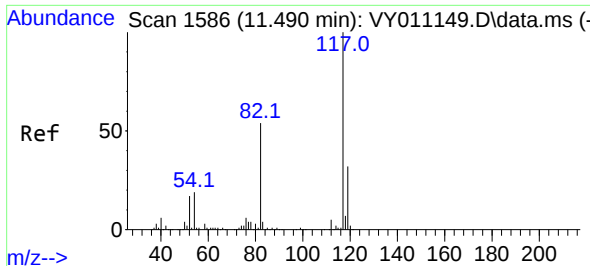
Tgt Ion: 98 Resp: 60326  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 40.312 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

Tgt Ion: 95 Resp: 14649  
Ion Ratio Lower Upper  
95 100  
174 84.0 0.0 177.0  
176 78.7 0.0 175.8

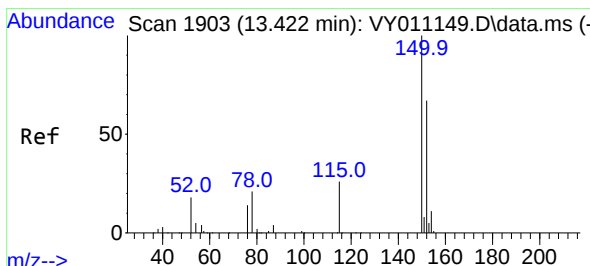
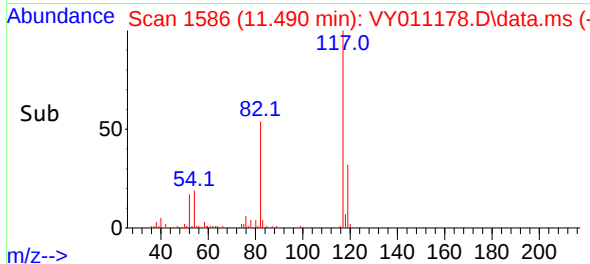
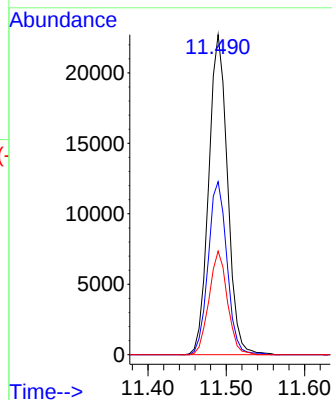
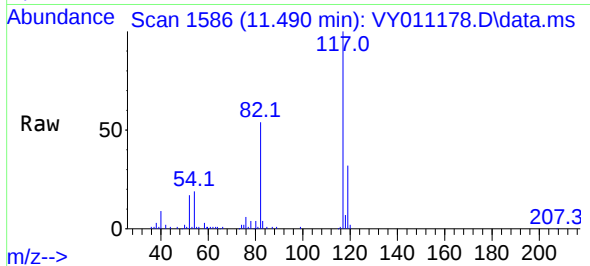




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

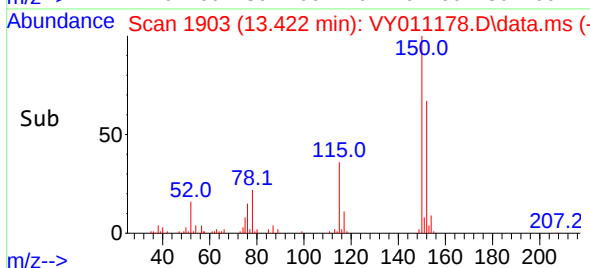
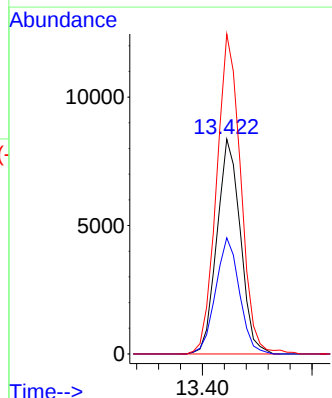
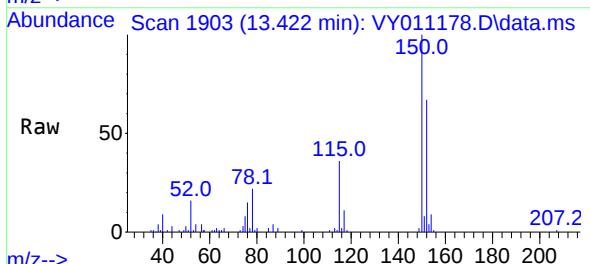
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LACY-05

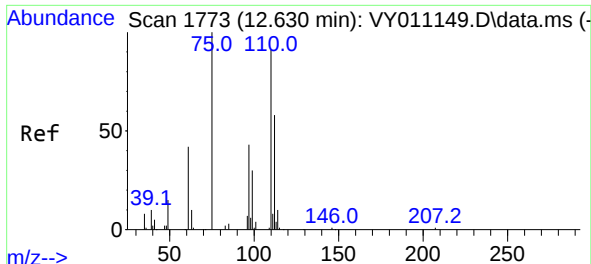
|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:117 | Resp: | 37905       |
| Ion         | Ratio | Lower Upper |
| 117         | 100   |             |
| 82          | 54.0  | 43.0 64.4   |
| 119         | 32.3  | 25.4 38.0   |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

|             |       |             |
|-------------|-------|-------------|
| Tgt Ion:152 | Resp: | 12420       |
| Ion         | Ratio | Lower Upper |
| 152         | 100   |             |
| 115         | 55.0  | 28.2 84.7   |
| 150         | 153.6 | 0.0 347.6   |

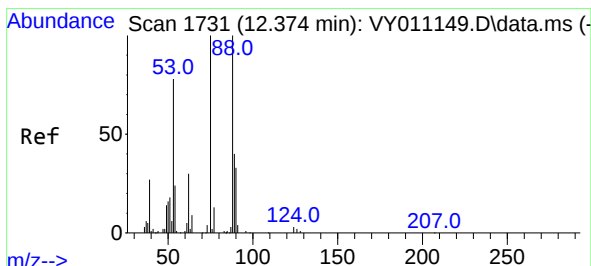
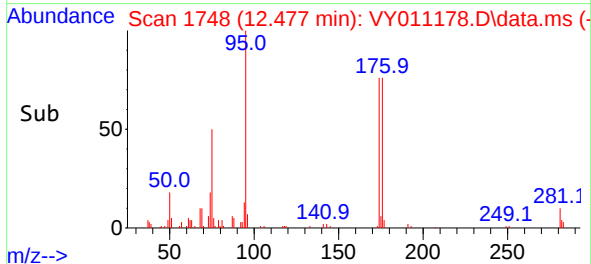
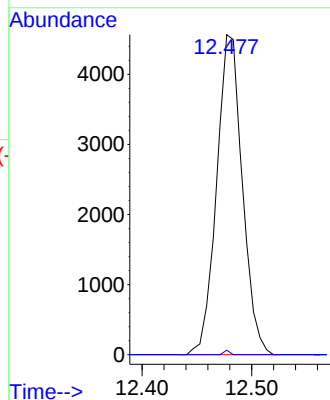
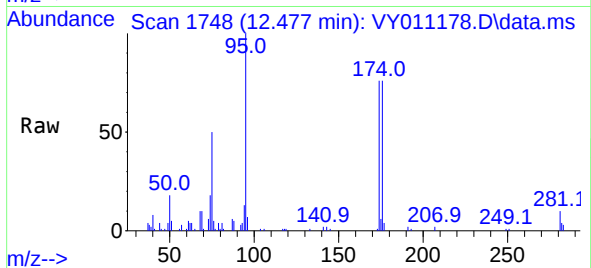




#76  
1,2,3-Trichloropropane  
Concen: 57.664 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.153 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

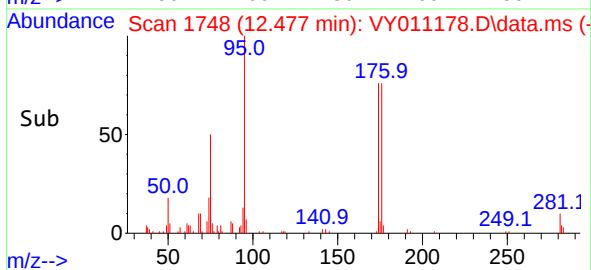
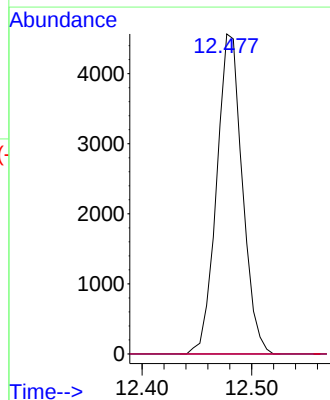
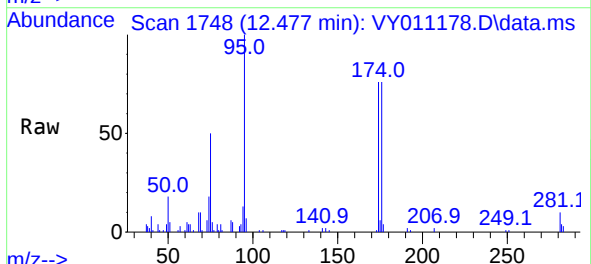
Instrument :  
MSVOA\_Y  
ClientSampleId :  
LACY-05

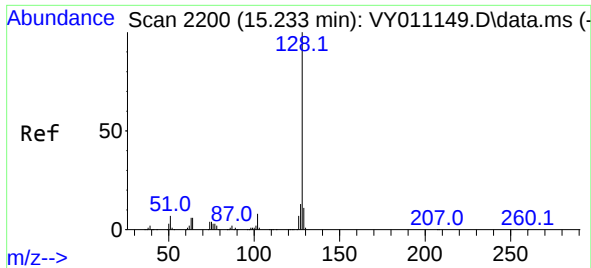
Tgt Ion: 75 Resp: 7446  
Ion Ratio Lower Upper  
75 100  
77 0.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 122.460 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.103 min  
Lab File: VY011178.D  
Acq: 29 Oct 2022 00:51

Tgt Ion: 75 Resp: 7446  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 4.690 ug/l

RT: 15.233 min Scan# 21

Delta R.T. -0.000 min

Lab File: VY011178.D

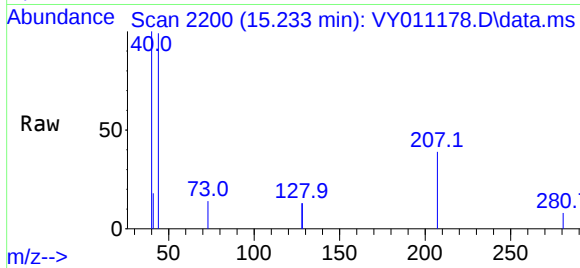
Acq: 29 Oct 2022 00:51

Instrument :

MSVOA\_Y

ClientSampleId :

LACY-05



Tgt Ion:128 Resp: 164

Ion Ratio Lower Upper

128 100

127 0.0 11.0 16.4#

129 0.0 8.4 12.6#

