

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083123\  
 Data File : VY015399.D  
 Acq On : 31 Aug 2023 13:28  
 Operator : SY/MD  
 Sample : 04202-01  
 Misc : 6.05g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 C-1

Quant Time: Sep 01 00:46:08 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Aug 31 20:01:47 2023  
 Response via : Initial Calibration

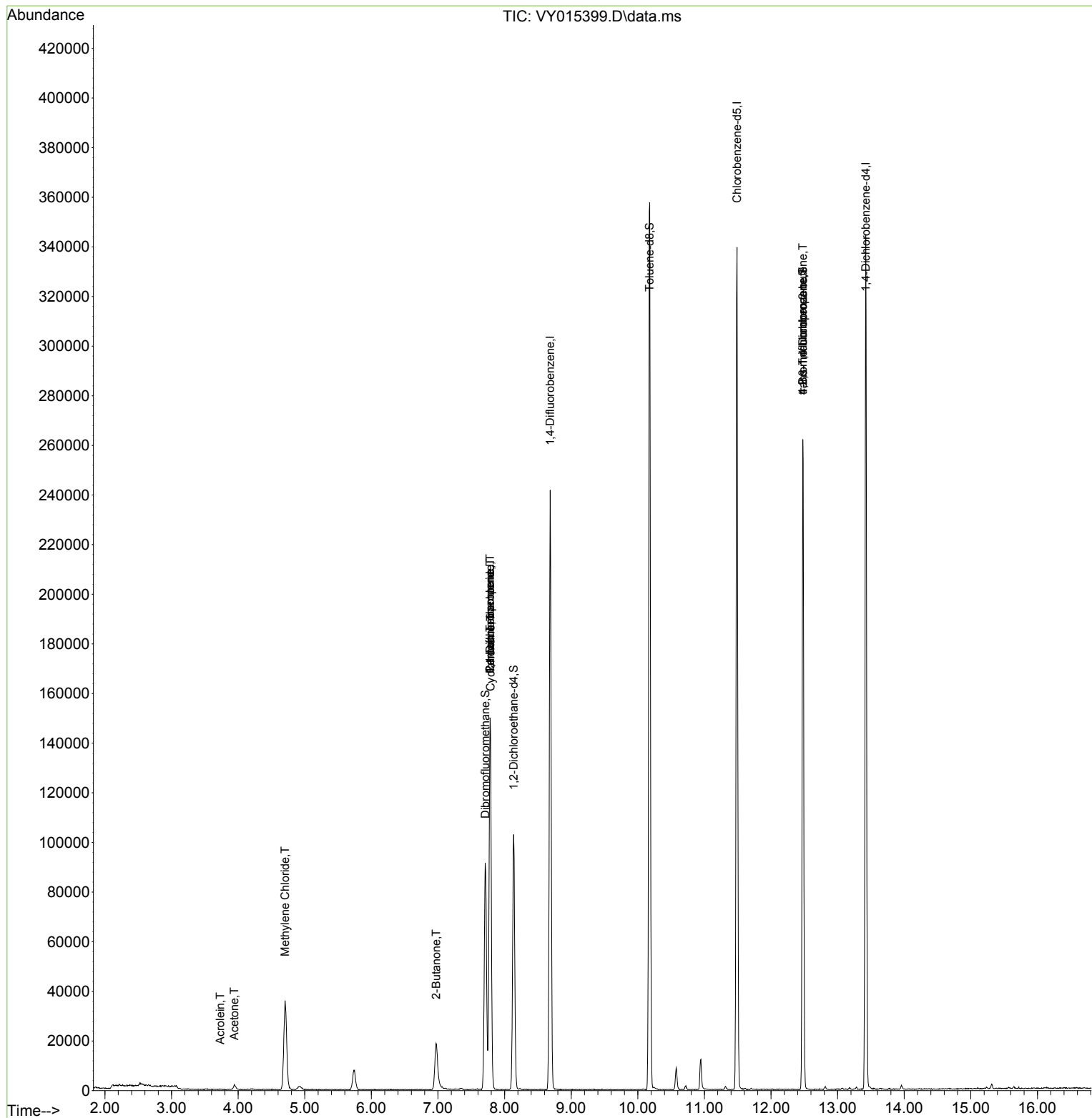
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.783  | 168   | 118191   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.685  | 114   | 202137   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 182684   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.422 | 152   | 86876    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.136  | 65    | 79353    | 62.631    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 125.260% |          |
| 35) Dibromofluoromethane      | 7.710  | 113   | 65206    | 56.006    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 112.020% |          |
| 50) Toluene-d8                | 10.179 | 98    | 237992   | 56.446    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 112.900% |          |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 77495    | 49.511    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 99.020%  |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.930  | 59    | 230      | Below Cal | #          | 89       |
| 13) Acrolein                  | 3.729  | 56    | 19       | 11.697    | ug/l #     | 14       |
| 16) Acetone                   | 3.942  | 43    | 3434     | 6.494     | ug/l       | 97       |
| 20) Methylene Chloride        | 4.704  | 84    | 26846    | 10.703    | ug/l       | 92       |
| 25) 2-Butanone                | 6.972  | 43    | 1270     | 1.693     | ug/l       | 97       |
| 31) Cyclohexane               | 7.789  | 56    | 2494     | 1.108     | ug/l #     | 1        |
| 36) 1,1-Dichloropropene       | 7.783  | 75    | 9621     | 4.706     | ug/l #     | 49       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 11916    | 5.644     | ug/l #     | 15       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 42115    | 36.556    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 42115    | 80.639    | ug/l #     | 10       |
| -----                         |        |       |          |           |            |          |

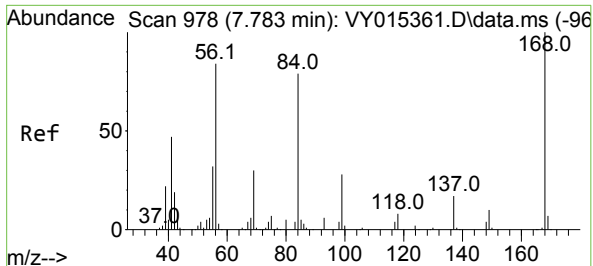
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY083123\  
Data File : VY015399.D  
Acq On : 31 Aug 2023 13:28  
Operator : SY/MD  
Sample : 04202-01  
Misc : 6.05g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C-1

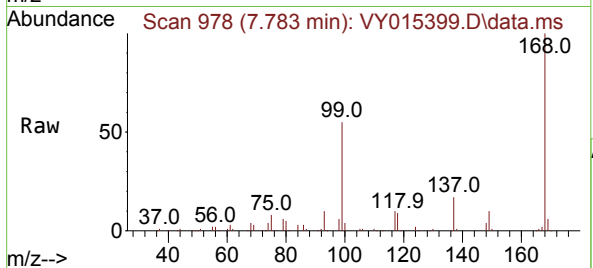
Quant Time: Sep 01 00:46:08 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y082923S.M  
Quant Title : SW846 8260  
QLast Update : Thu Aug 31 20:01:47 2023  
Response via : Initial Calibration



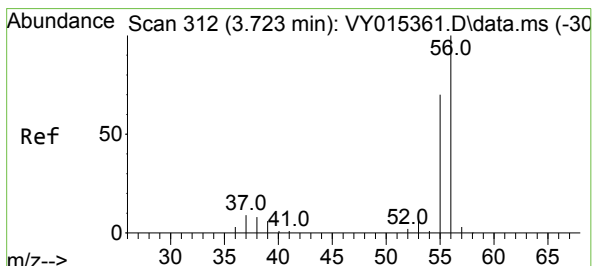
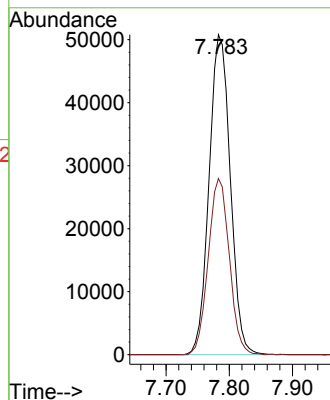
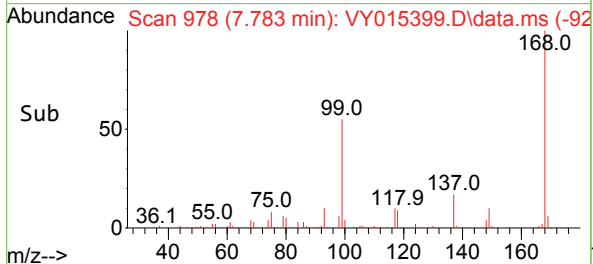


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY015399.D  
Acq: 31 Aug 2023 13:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C-1

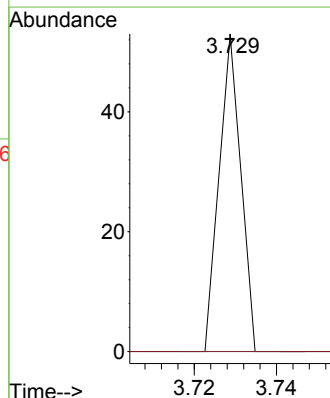
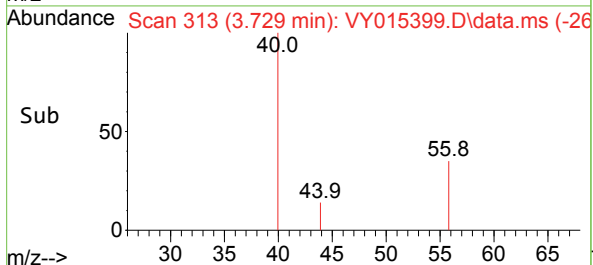
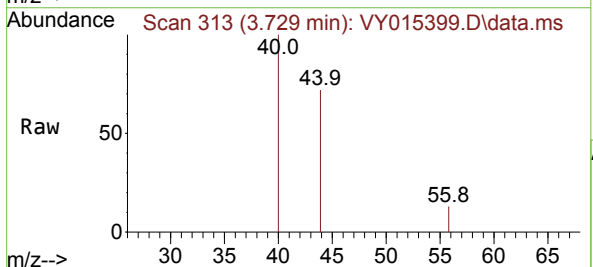


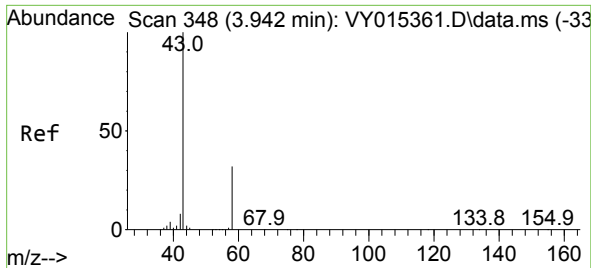
Tgt Ion:168 Resp: 118191  
Ion Ratio Lower Upper  
168 100  
99 55.0 43.4 65.0



#13  
Acrolein  
Concen: 11.697 ug/l  
RT: 3.729 min Scan# 313  
Delta R.T. 0.006 min  
Lab File: VY015399.D  
Acq: 31 Aug 2023 13:28

Tgt Ion: 56 Resp: 19  
Ion Ratio Lower Upper  
56 100  
55 0.0 57.0 85.4#





#16

Acetone

Concen: 6.494 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY015399.D

Acq: 31 Aug 2023 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

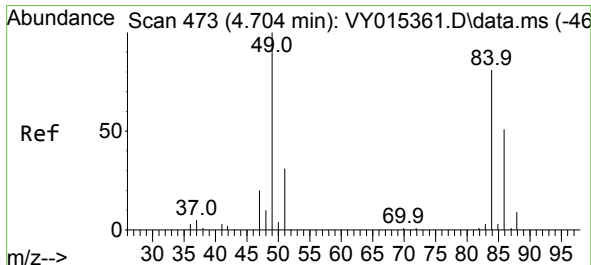
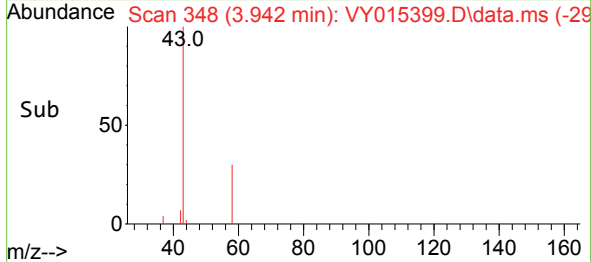
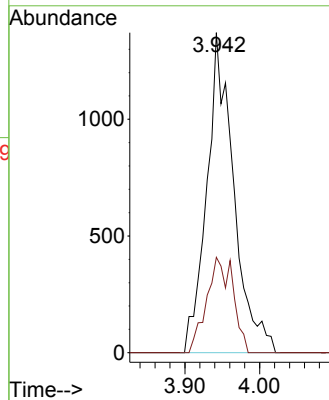
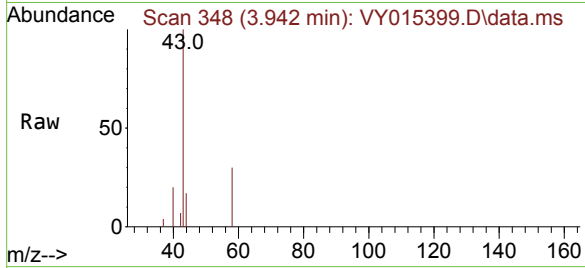
C-1

Tgt Ion: 43 Resp: 3434

Ion Ratio Lower Upper

43 100

58 29.8 22.7 34.1



#20

Methylene Chloride

Concen: 10.703 ug/l

RT: 4.704 min Scan# 473

Delta R.T. 0.000 min

Lab File: VY015399.D

Acq: 31 Aug 2023 13:28

Tgt Ion: 84 Resp: 26846

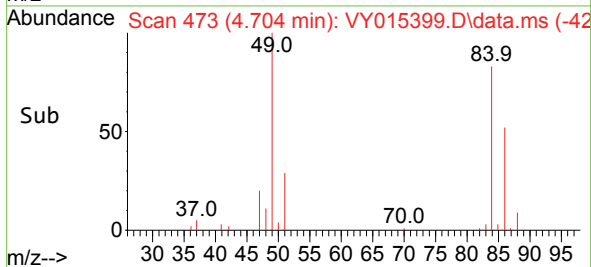
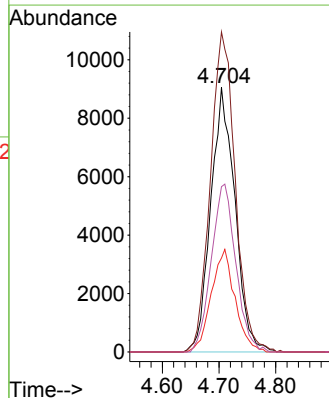
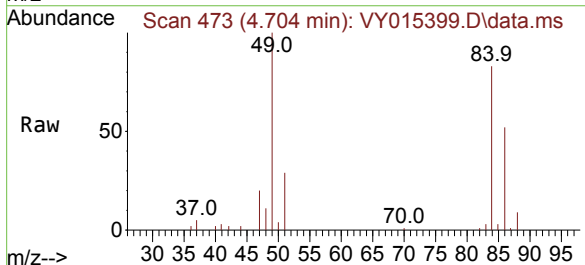
Ion Ratio Lower Upper

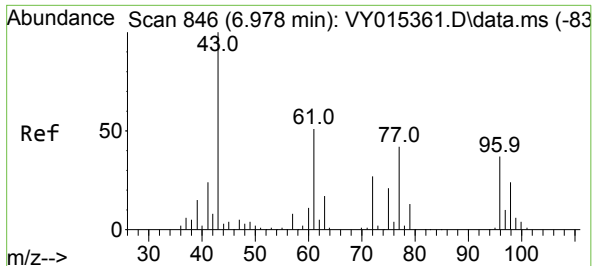
84 100

49 121.0 106.9 160.3

51 35.5 33.2 49.8

86 62.5 51.0 76.6

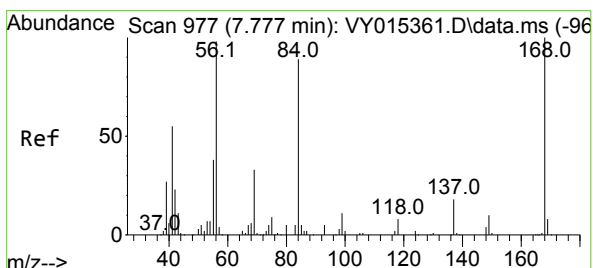
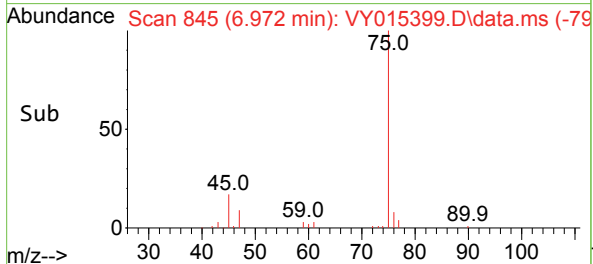
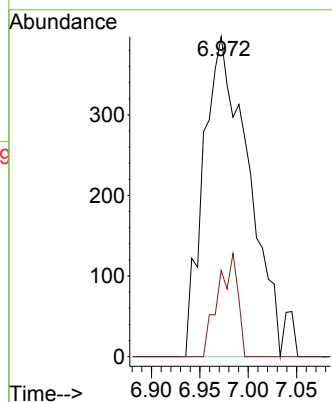
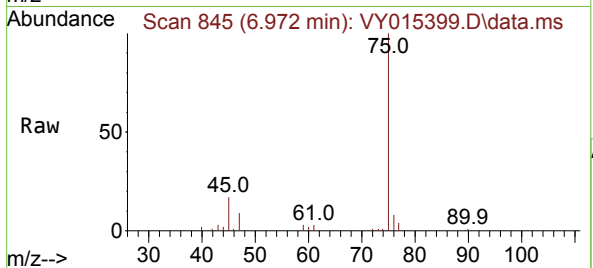




#25  
2-Butanone  
Concen: 1.693 ug/l  
RT: 6.972 min Scan# 846  
Delta R.T. -0.006 min  
Lab File: VY015399.D  
Acq: 31 Aug 2023 13:28

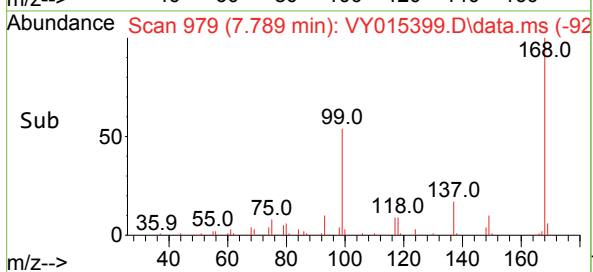
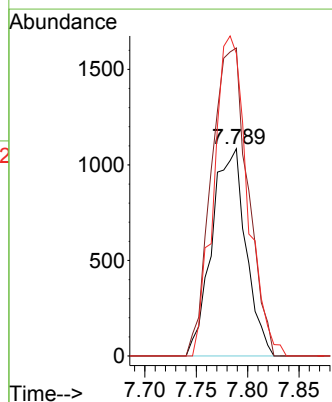
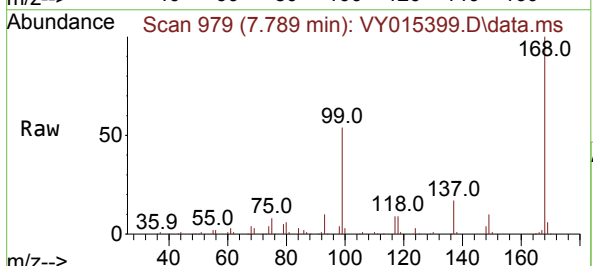
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C-1

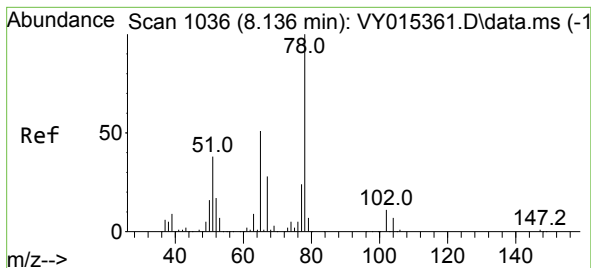
Tgt Ion: 43 Resp: 1270  
Ion Ratio Lower Upper  
43 100  
72 27.0 20.5 30.7



#31  
Cyclohexane  
Concen: 1.108 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. 0.006 min  
Lab File: VY015399.D  
Acq: 31 Aug 2023 13:28

Tgt Ion: 56 Resp: 2494  
Ion Ratio Lower Upper  
56 100  
69 148.6 27.8 41.6#  
84 146.0 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 62.631 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY015399.D

Acq: 31 Aug 2023 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

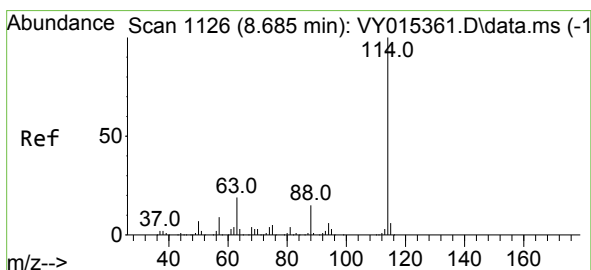
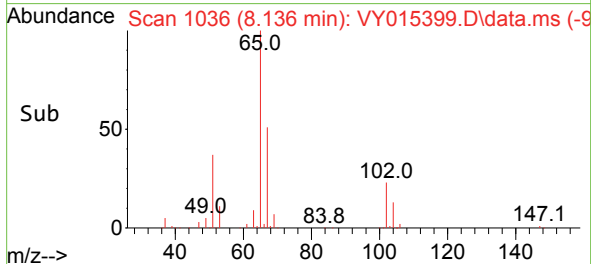
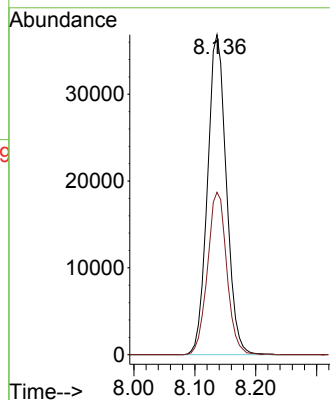
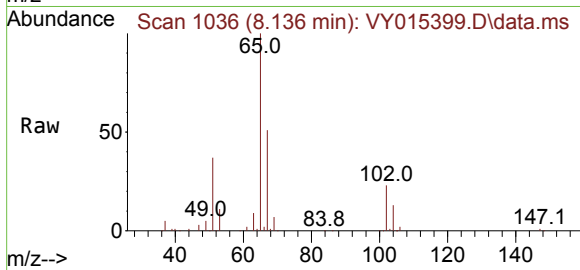
C-1

Tgt Ion: 65 Resp: 79353

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015399.D

Acq: 31 Aug 2023 13:28

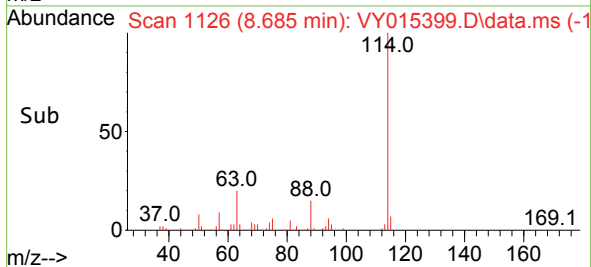
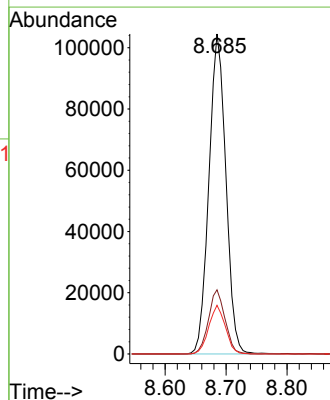
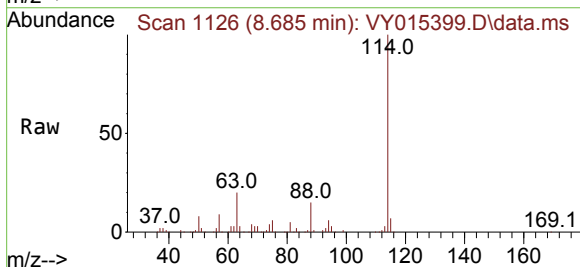
Tgt Ion: 114 Resp: 202137

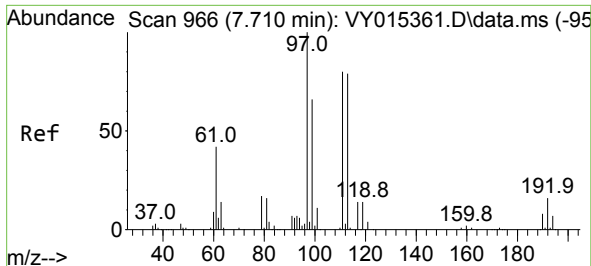
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.4

88 15.2 0.0 30.6

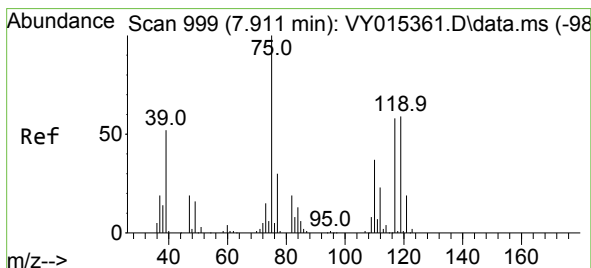
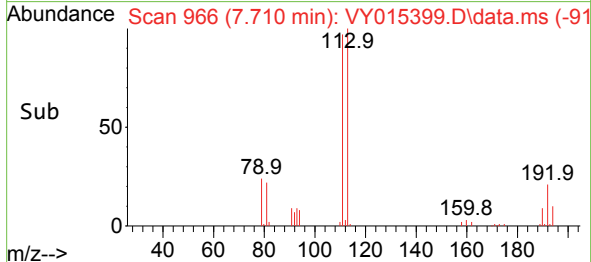
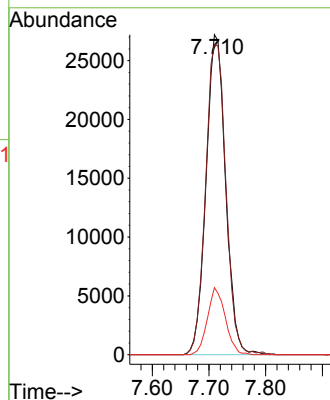
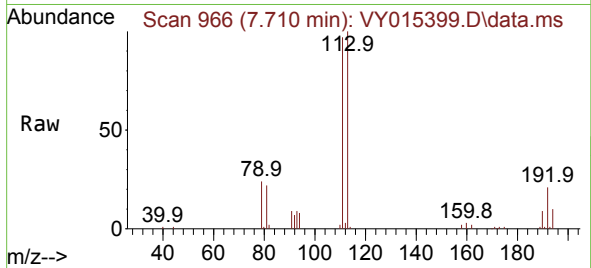




#35  
Dibromofluoromethane  
Concen: 56.006 ug/l  
RT: 7.710 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY015399.D  
Acq: 31 Aug 2023 13:28

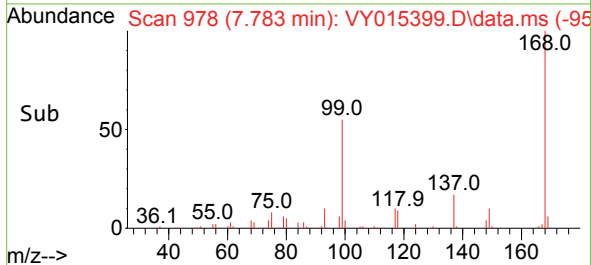
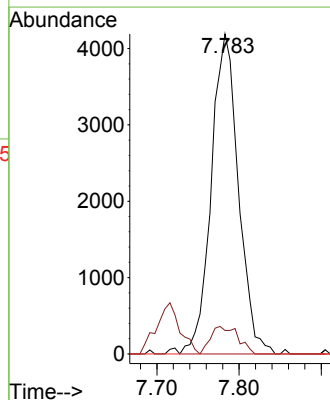
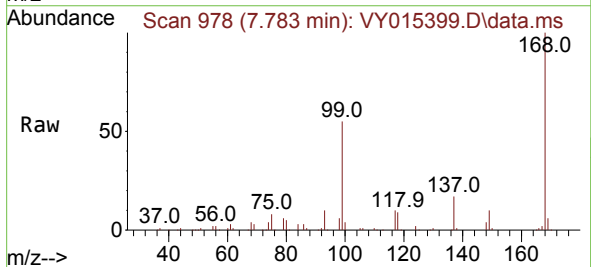
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C-1

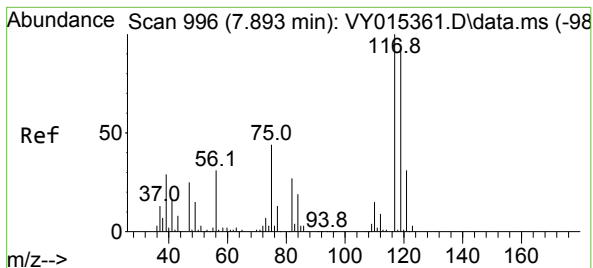
Tgt Ion:113 Resp: 65206  
Ion Ratio Lower Upper  
113 100  
111 101.0 81.3 121.9  
192 19.2 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 4.706 ug/l  
RT: 7.783 min Scan# 978  
Delta R.T. -0.128 min  
Lab File: VY015399.D  
Acq: 31 Aug 2023 13:28

Tgt Ion: 75 Resp: 9621  
Ion Ratio Lower Upper  
75 100  
110 8.7 17.8 53.5#  
77 0.0 24.4 36.6#





#38

Carbon Tetrachloride

Concen: 5.644 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.110 min

Lab File: VY015399.D

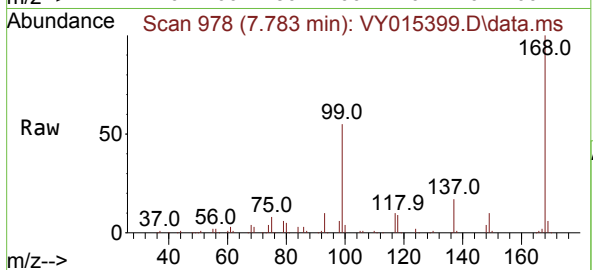
Acq: 31 Aug 2023 13:28

Instrument :

MSVOA\_Y

ClientSampleId :

C-1



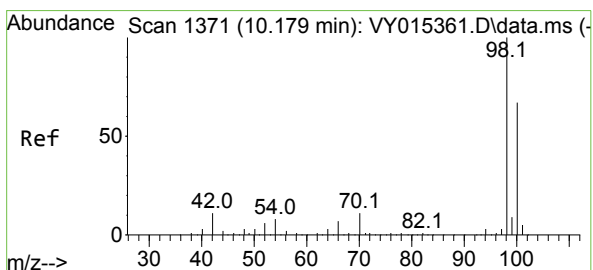
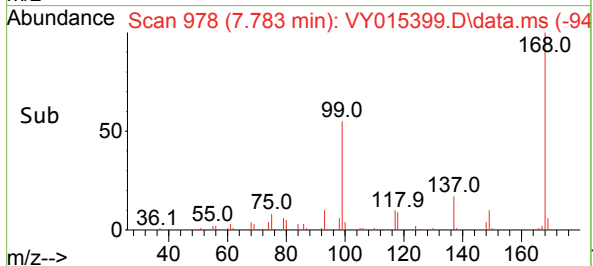
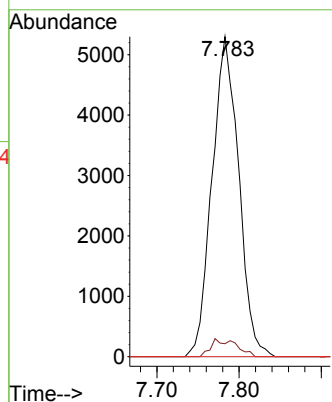
Tgt Ion:117 Resp: 11916

Ion Ratio Lower Upper

117 100

119 4.0 76.4 114.6#

121 0.0 25.8 38.6#



#50

Toluene-d8

Concen: 56.446 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015399.D

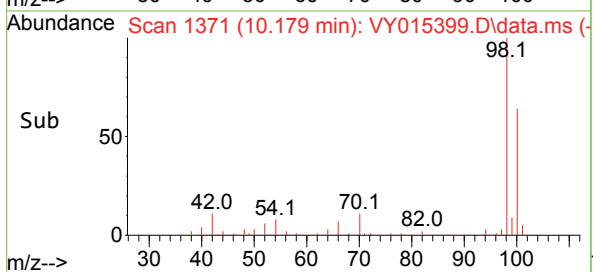
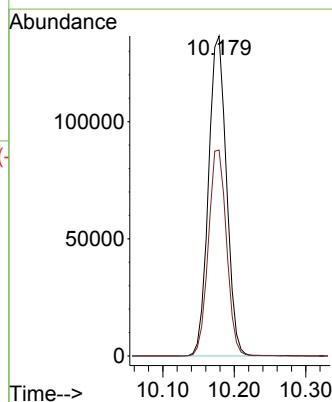
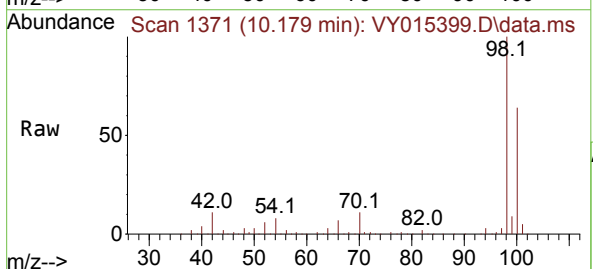
Acq: 31 Aug 2023 13:28

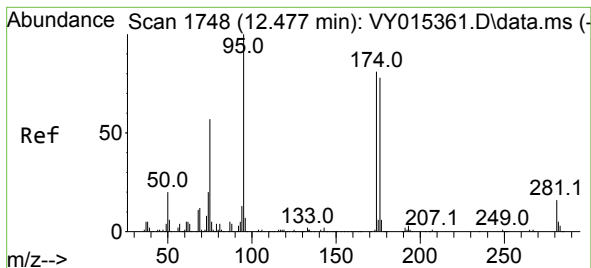
Tgt Ion: 98 Resp: 237992

Ion Ratio Lower Upper

98 100

100 65.1 50.1 75.1

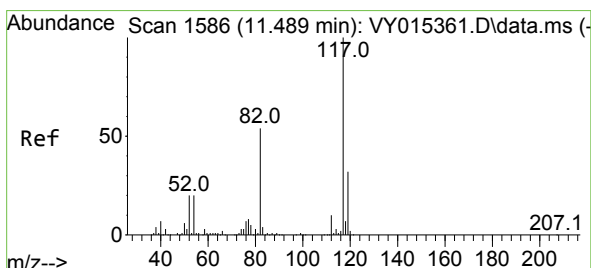
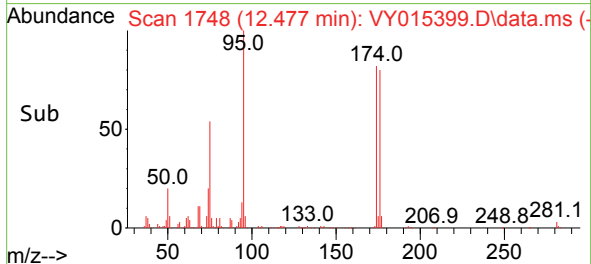
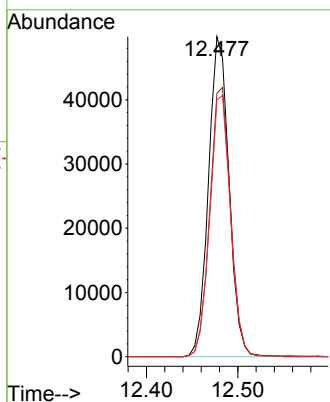
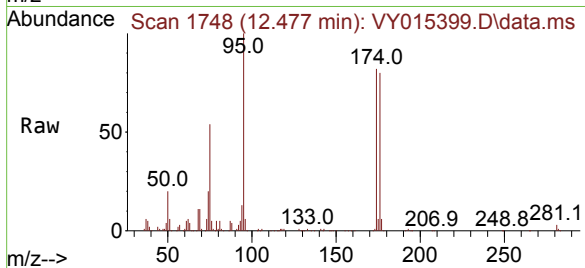




#62  
4-Bromofluorobenzene  
Concen: 49.511 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY015399.D  
Acq: 31 Aug 2023 13:28

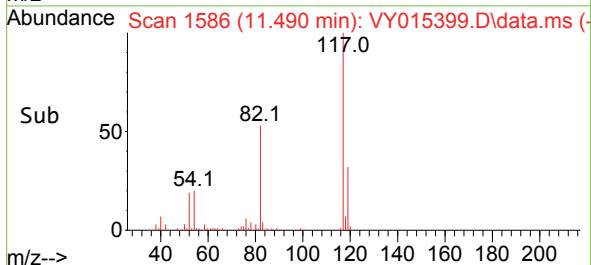
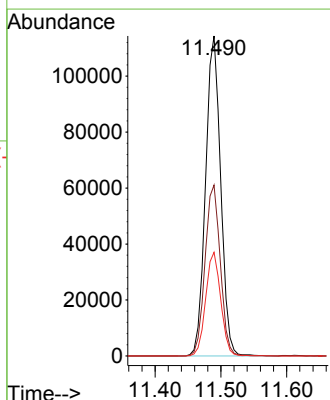
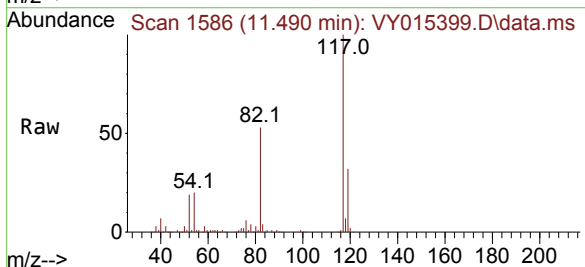
Instrument :  
MSVOA\_Y  
ClientSampleId :  
C-1

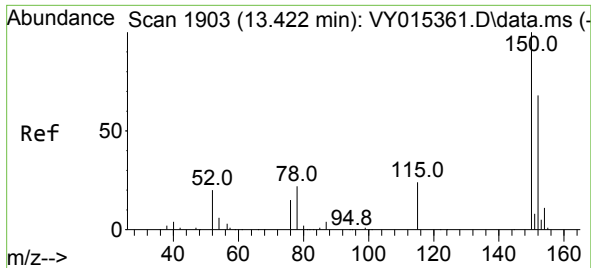
Tgt Ion: 95 Resp: 77495  
Ion Ratio Lower Upper  
95 100  
174 85.5 0.0 178.2  
176 82.6 0.0 173.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY015399.D  
Acq: 31 Aug 2023 13:28

Tgt Ion: 117 Resp: 182684  
Ion Ratio Lower Upper  
117 100  
82 53.4 43.4 65.0  
119 32.4 26.3 39.5

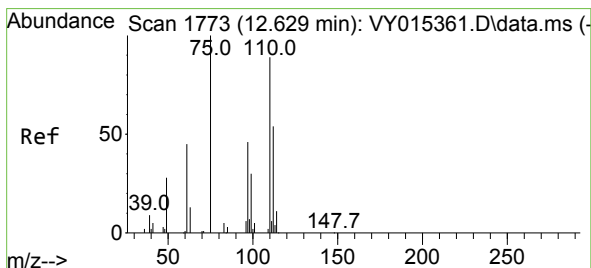
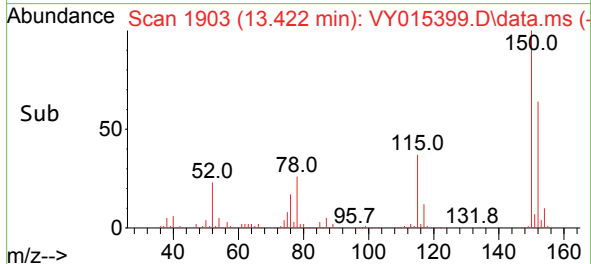
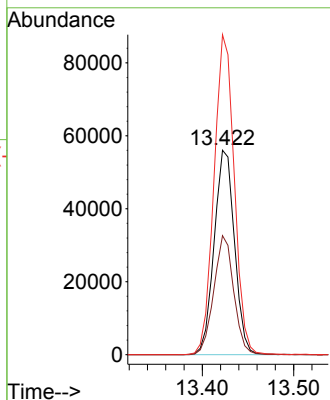
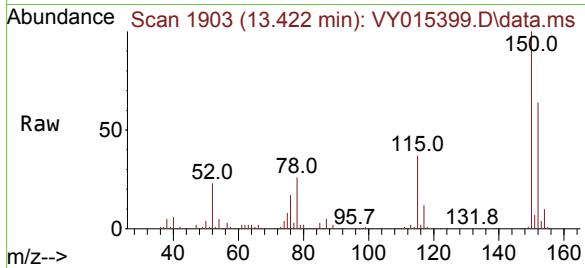




#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.422 min Scan# 1903  
 Delta R.T. 0.000 min  
 Lab File: VY015399.D  
 Acq: 31 Aug 2023 13:28

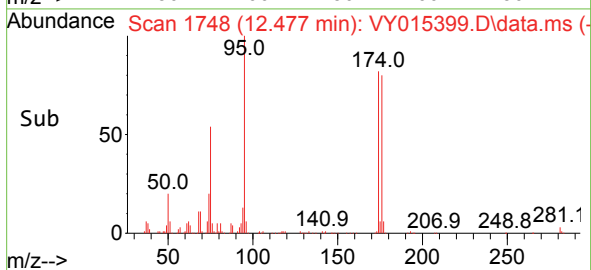
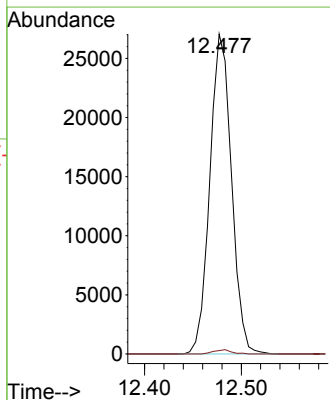
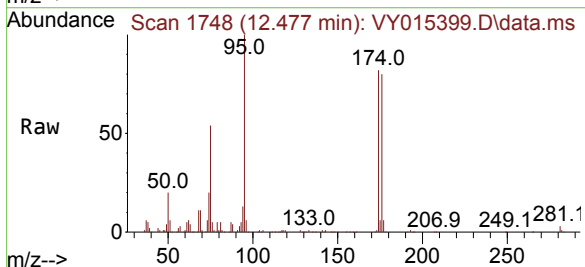
Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 C-1

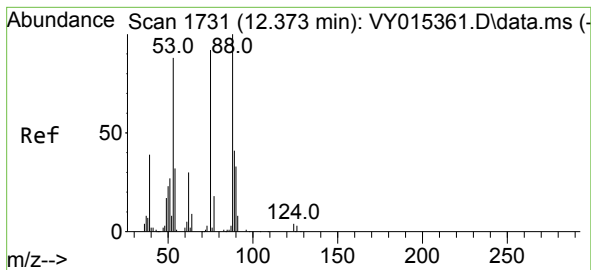
Tgt Ion:152 Resp: 86876  
 Ion Ratio Lower Upper  
 152 100  
 115 57.0 28.8 86.5  
 150 155.6 0.0 348.8



#76  
 1,2,3-Trichloropropane  
 Concen: 36.556 ug/l  
 RT: 12.477 min Scan# 1748  
 Delta R.T. -0.152 min  
 Lab File: VY015399.D  
 Acq: 31 Aug 2023 13:28

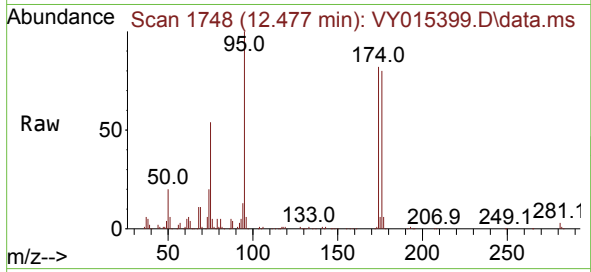
Tgt Ion: 75 Resp: 42115  
 Ion Ratio Lower Upper  
 75 100  
 77 1.1 0.0 0.0#





#81  
trans-1,4-Dichloro-2-butene  
Concen: 80.639 ug/l  
RT: 12.477 min Scan# 11  
Delta R.T. 0.098 min  
Lab File: VY015399.D  
Acq: 31 Aug 2023 13:28

Instrument :  
MSVOA\_Y  
ClientSampleId :  
C-1



| Tgt Ion | Ratio | Lower | Upper  |
|---------|-------|-------|--------|
| 75      | 100   |       |        |
| 53      | 0.0   | 77.8  | 116.8# |
| 89      | 0.0   | 37.4  | 56.0#  |

