

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY020323\  
 Data File : VY012482.D  
 Acq On : 03 Feb 2023 17:10  
 Operator : KP/MD  
 Sample : 01414-05  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Feb 04 00:12:13 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011623S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 17 04:31:47 2023  
 Response via : Initial Calibration

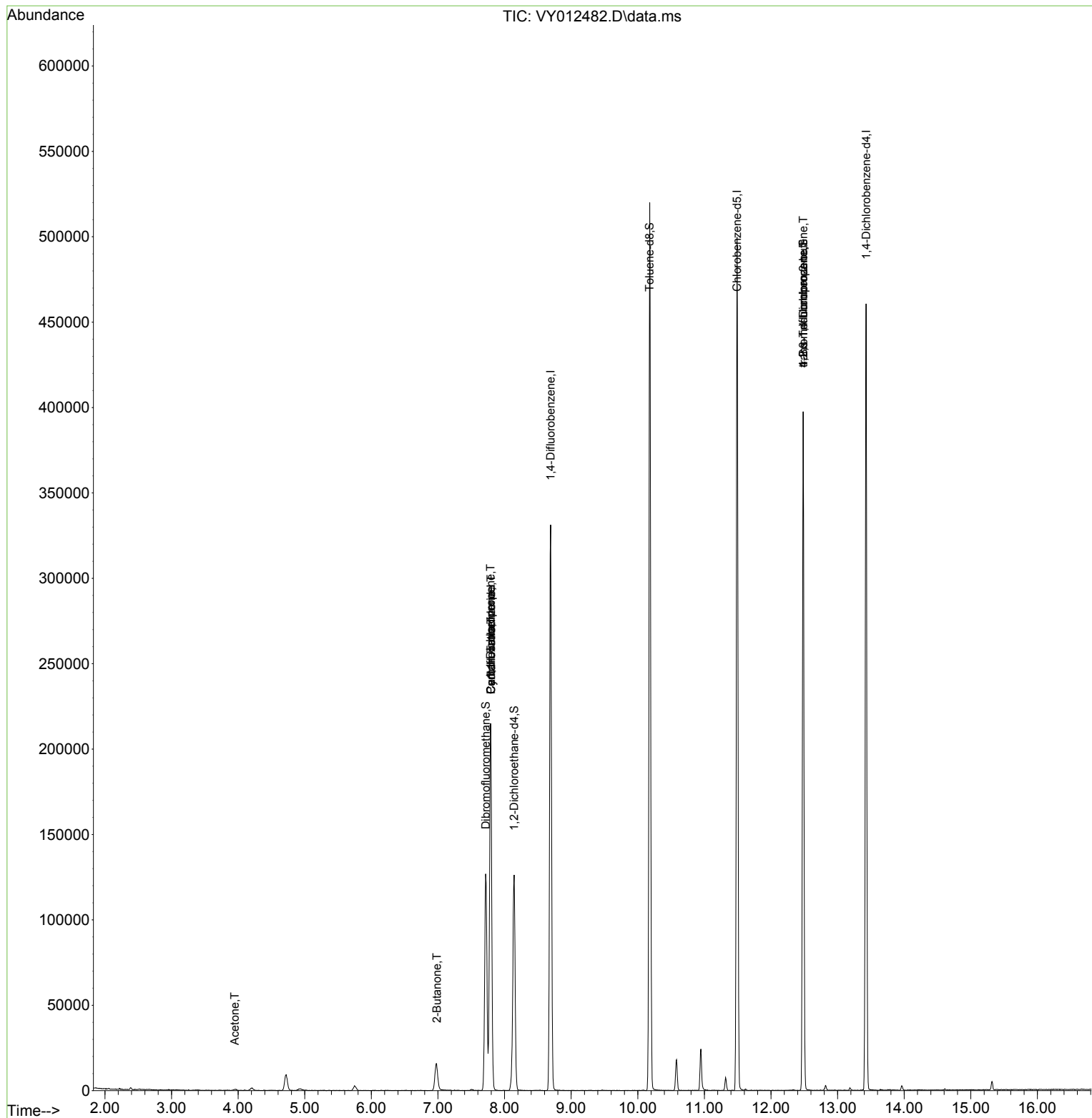
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 172121   | 50.000    | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 295428   | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 280835   | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 122124   | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 103736   | 74.649    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 149.300% |          |
| 35) Dibromofluoromethane      | 7.716  | 113   | 87446    | 55.901    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 111.800% |          |
| 50) Toluene-d8                | 10.179 | 98    | 343422   | 64.630    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | = 129.260% |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 112544   | 51.036    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | = 102.080% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.918  | 59    | 487      | Below Cal | #          | 74       |
| 16) Acetone                   | 3.948  | 43    | 1257     | 2.623     | ug/l       | 95       |
| 20) Methylene Chloride        | 4.723  | 84    | 7818     | Below Cal | #          | 85       |
| 25) 2-Butanone                | 6.984  | 43    | 856      | 1.618     | ug/l       | # 46     |
| 31) Cyclohexane               | 7.795  | 56    | 3070     | 1.223     | ug/l       | # 16     |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 11297    | 4.249     | ug/l       | # 50     |
| 38) Carbon Tetrachloride      | 7.795  | 117   | 16756    | 4.880     | ug/l       | # 17     |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 59795    | 53.247    | ug/l       | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 59795    | 109.712   | ug/l       | # 13     |
| -----                         |        |       |          |           |            |          |

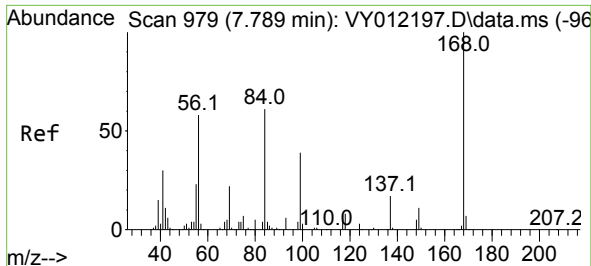
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260  
QLast Update : Tue Jan 17 04:31:47 2023  
Response via : Initial Calibration

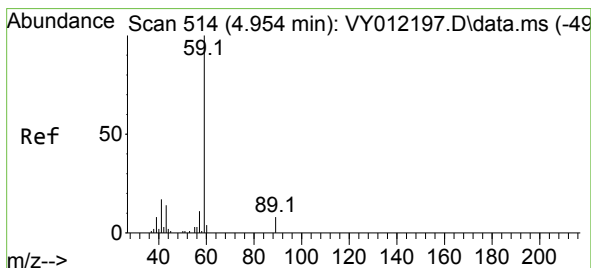
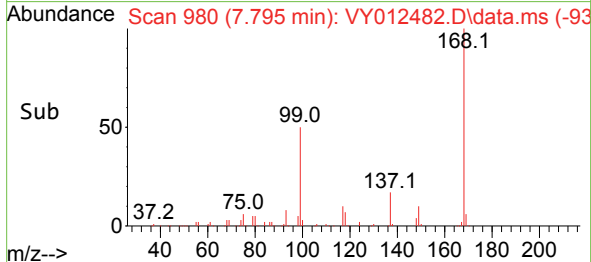
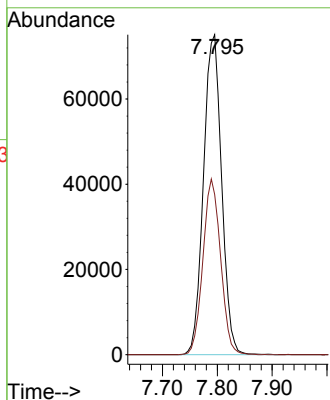
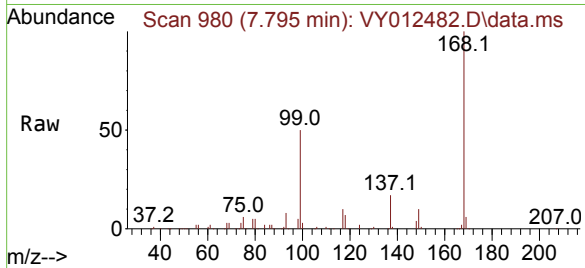




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY012482.D  
Acq: 03 Feb 2023 17:10

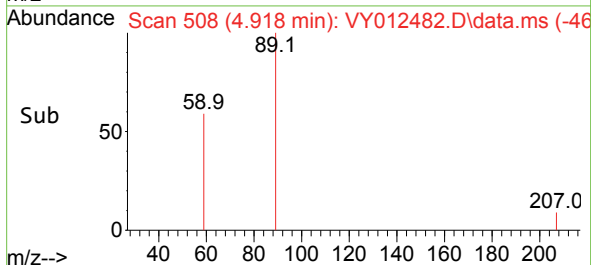
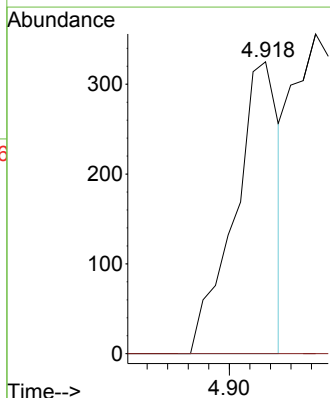
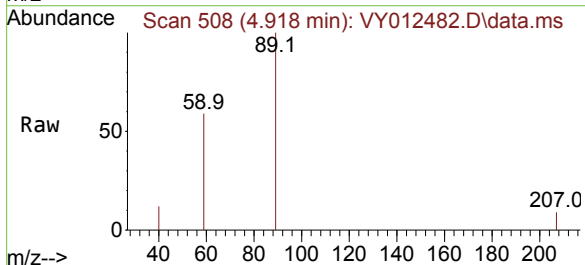
Instrument :  
MSVOA\_Y  
ClientSampleId :

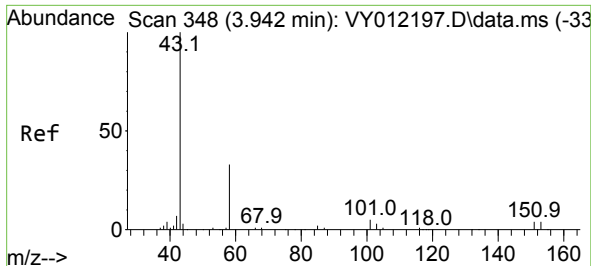
Tgt Ion:168 Resp: 172121  
Ion Ratio Lower Upper  
168 100  
99 50.1 44.0 66.0



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.918 min Scan# 508  
Delta R.T. -0.030 min  
Lab File: VY012482.D  
Acq: 03 Feb 2023 17:10

Tgt Ion: 59 Resp: 487  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.2#

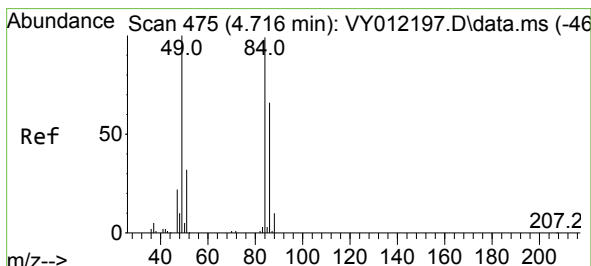
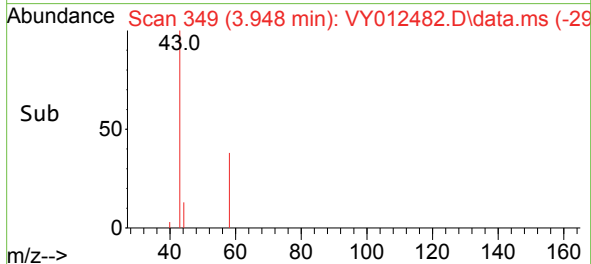
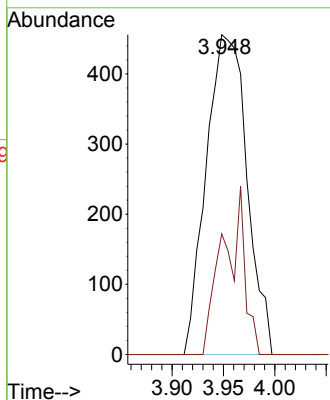
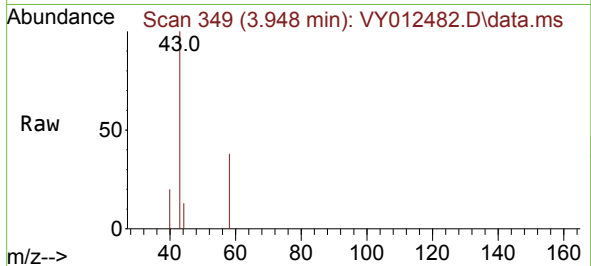




#16  
Acetone  
Concen: 2.623 ug/l  
RT: 3.948 min Scan# 34  
Delta R.T. 0.006 min  
Lab File: VY012482.D  
Acq: 03 Feb 2023 17:10

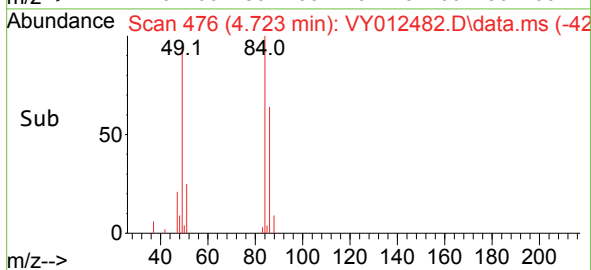
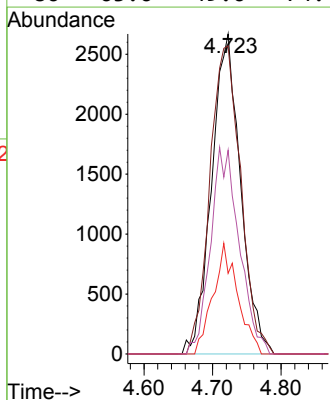
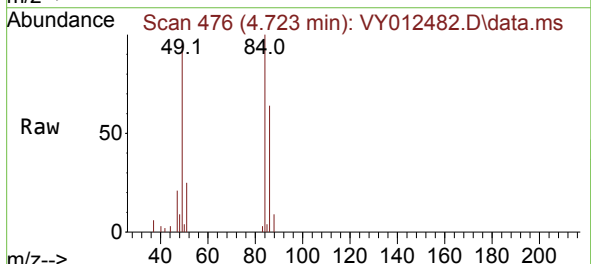
Instrument :  
MSVOA\_Y  
ClientSampleId :

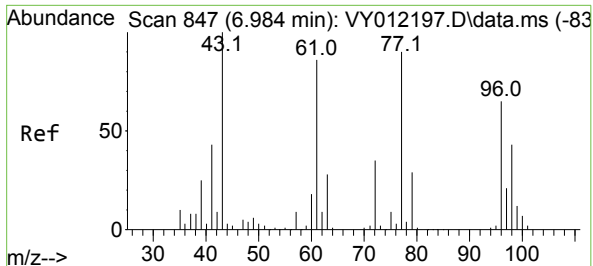
Tgt Ion: 43 Resp: 1257  
Ion Ratio Lower Upper  
43 100  
58 37.7 27.9 41.9



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.723 min Scan# 476  
Delta R.T. 0.007 min  
Lab File: VY012482.D  
Acq: 03 Feb 2023 17:10

Tgt Ion: 84 Resp: 7818  
Ion Ratio Lower Upper  
84 100  
49 96.3 95.4 143.2  
51 25.2 29.9 44.9#  
86 63.6 49.6 74.4





#25

2-Butanone

Concen: 1.618 ug/l

RT: 6.984 min Scan# 84

Delta R.T. 0.000 min

Lab File: VY012482.D

Acq: 03 Feb 2023 17:10

Instrument :

MSVOA\_Y

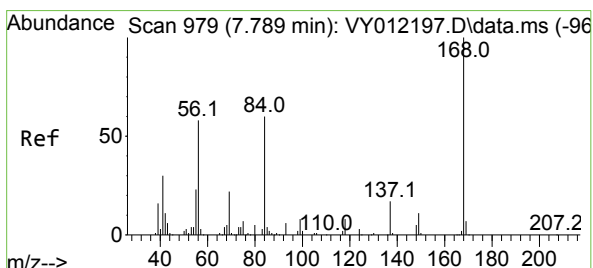
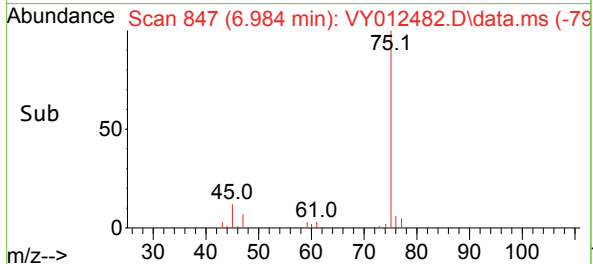
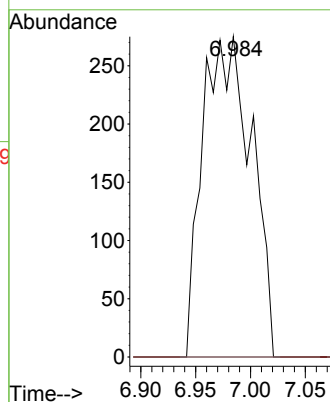
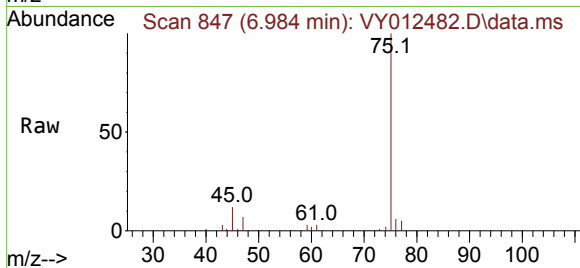
ClientSampleId :

Tgt Ion: 43 Resp: 856

Ion Ratio Lower Upper

43 100

72 0.0 22.6 34.0#



#31

Cyclohexane

Concen: 1.223 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY012482.D

Acq: 03 Feb 2023 17:10

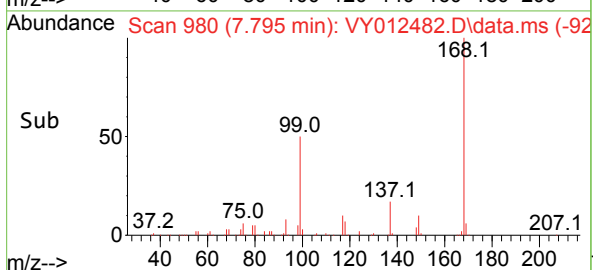
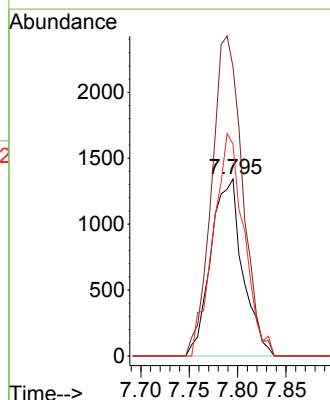
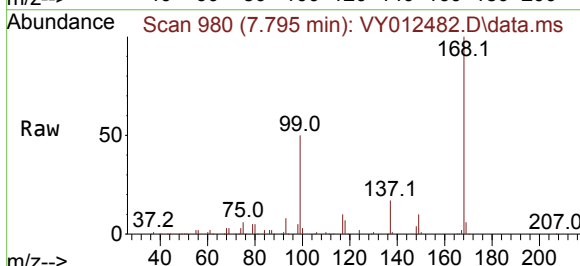
Tgt Ion: 56 Resp: 3070

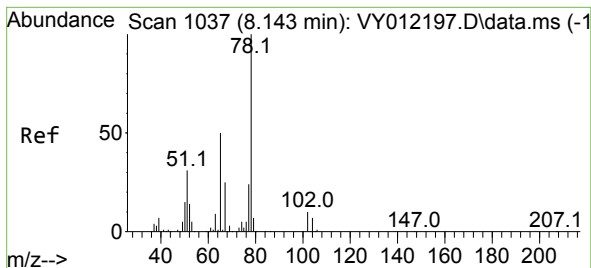
Ion Ratio Lower Upper

56 100

69 163.5 29.2 43.8#

84 119.9 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 74.649 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012482.D

Acq: 03 Feb 2023 17:10

Instrument :

MSVOA\_Y

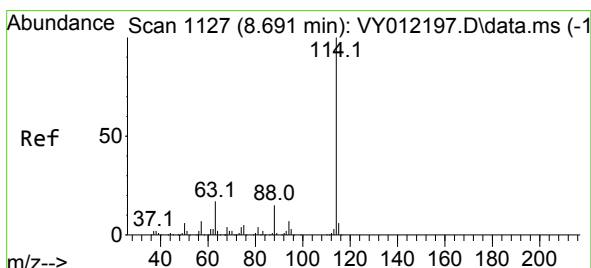
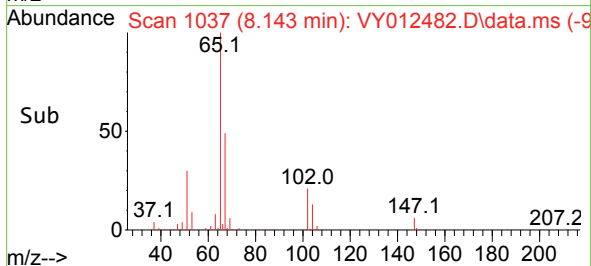
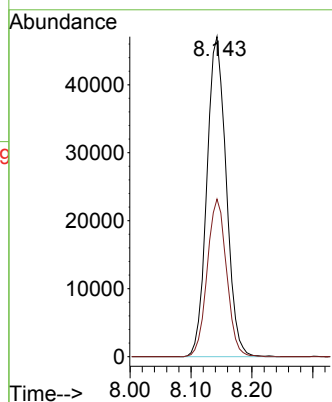
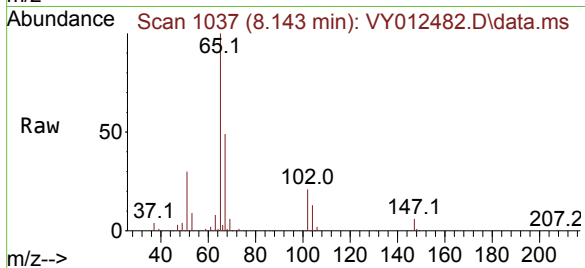
ClientSampleId :

Tgt Ion: 65 Resp: 103736

Ion Ratio Lower Upper

65 100

67 49.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012482.D

Acq: 03 Feb 2023 17:10

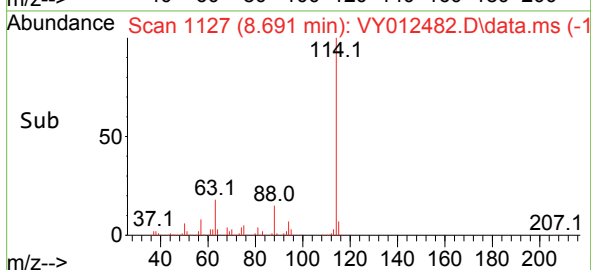
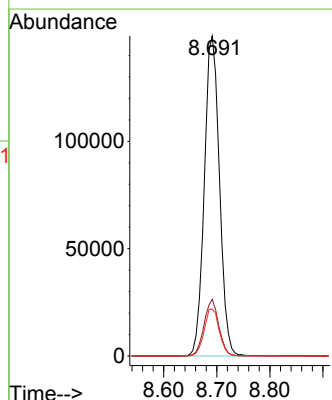
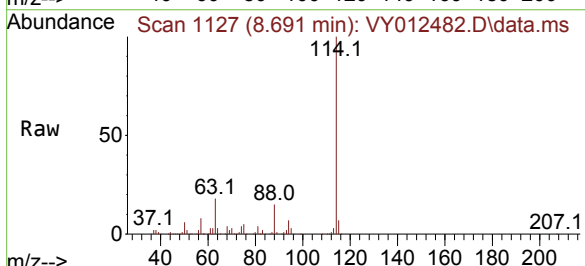
Tgt Ion: 114 Resp: 295428

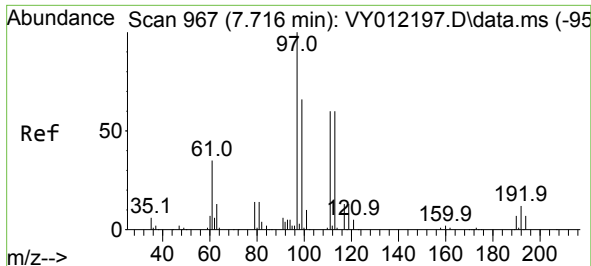
Ion Ratio Lower Upper

114 100

63 17.6 0.0 39.6

88 14.7 0.0 32.2

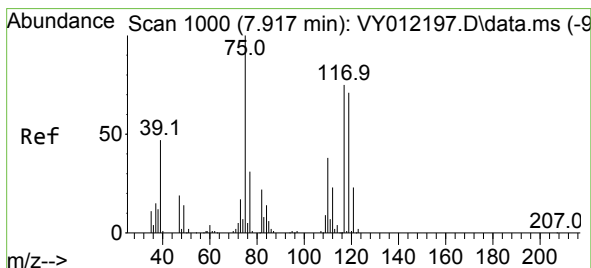
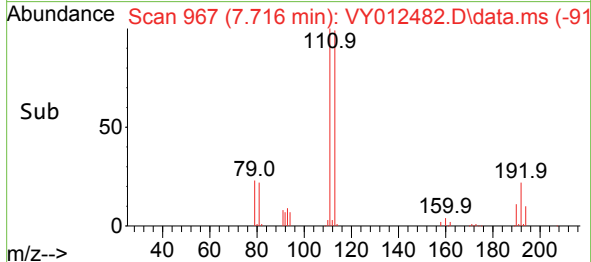
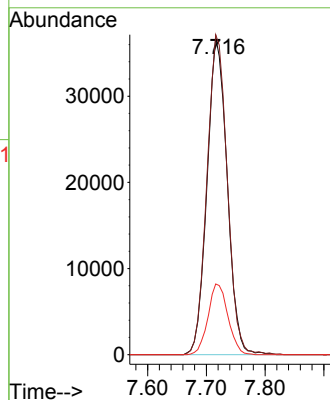
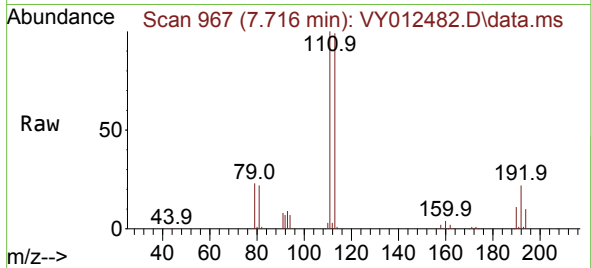




#35  
 Dibromofluoromethane  
 Concen: 55.901 ug/l  
 RT: 7.716 min Scan# 910  
 Delta R.T. -0.000 min  
 Lab File: VY012482.D  
 Acq: 03 Feb 2023 17:10

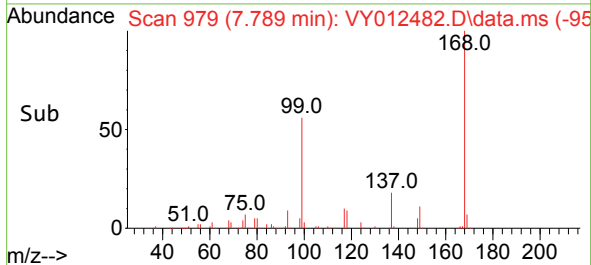
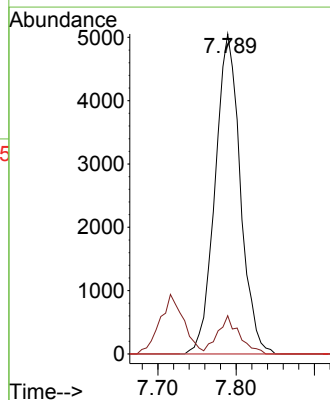
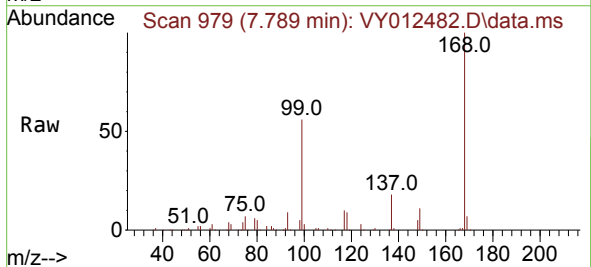
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

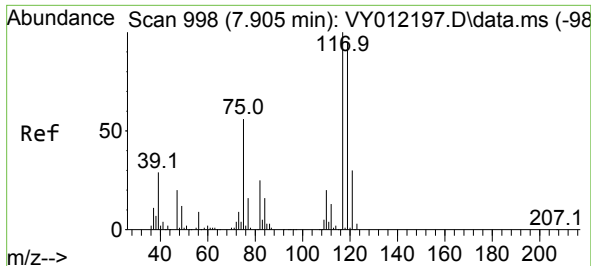
Tgt Ion:113 Resp: 87446  
 Ion Ratio Lower Upper  
 113 100  
 111 102.1 83.0 124.4  
 192 22.1 16.0 24.0



#36  
 1,1-Dichloropropene  
 Concen: 4.249 ug/l  
 RT: 7.789 min Scan# 979  
 Delta R.T. -0.128 min  
 Lab File: VY012482.D  
 Acq: 03 Feb 2023 17:10

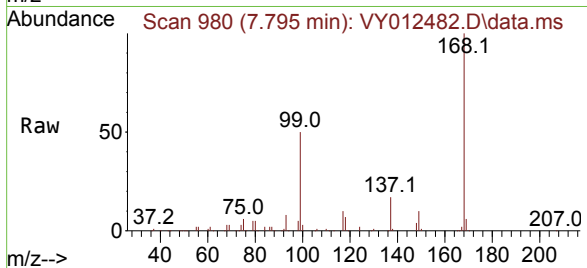
Tgt Ion: 75 Resp: 11297  
 Ion Ratio Lower Upper  
 75 100  
 110 10.3 18.1 54.1#  
 77 0.0 25.1 37.7#



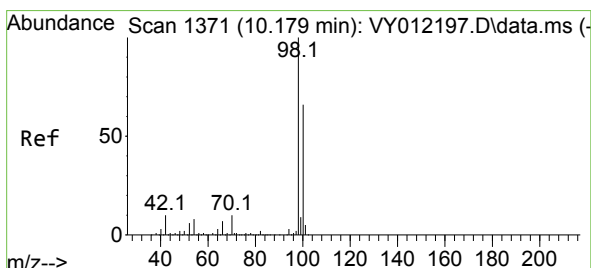
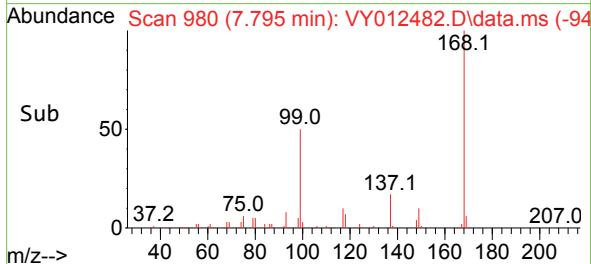
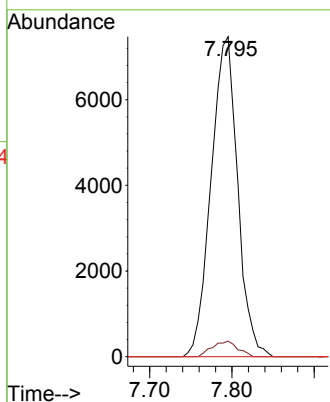


#38  
Carbon Tetrachloride  
Concen: 4.880 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY012482.D  
Acq: 03 Feb 2023 17:10

Instrument :  
MSVOA\_Y  
ClientSampleId :

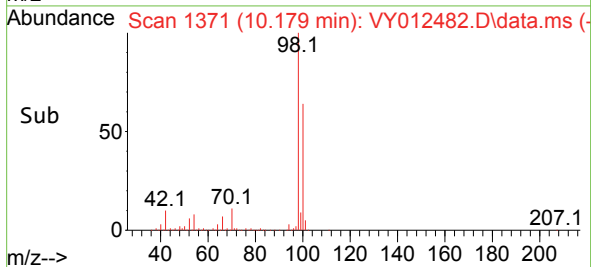
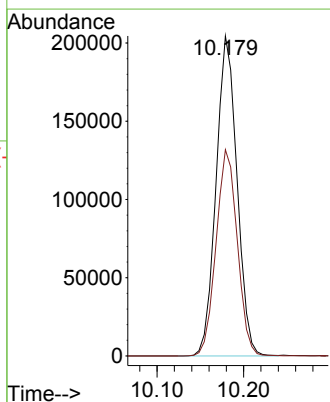
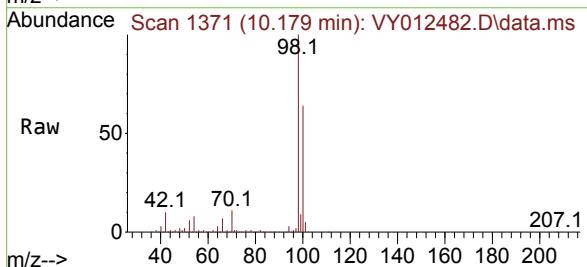


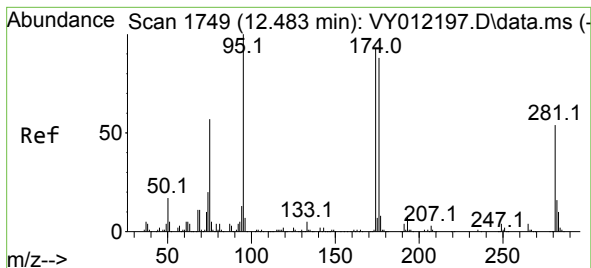
Tgt Ion:117 Resp: 16756  
Ion Ratio Lower Upper  
117 100  
119 4.9 73.8 110.8#  
121 0.0 25.2 37.8#



#50  
Toluene-d8  
Concen: 64.630 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY012482.D  
Acq: 03 Feb 2023 17:10

Tgt Ion: 98 Resp: 343422  
Ion Ratio Lower Upper  
98 100  
100 65.4 51.9 77.9

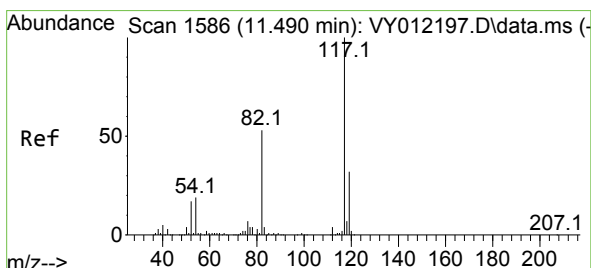
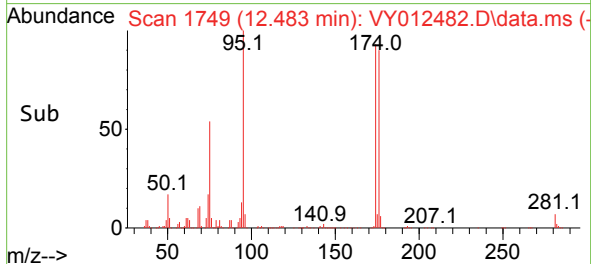
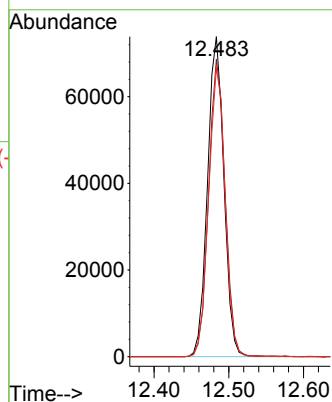
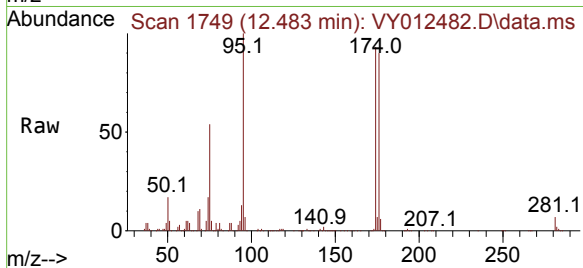




#62  
4-Bromofluorobenzene  
Concen: 51.036 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY012482.D  
Acq: 03 Feb 2023 17:10

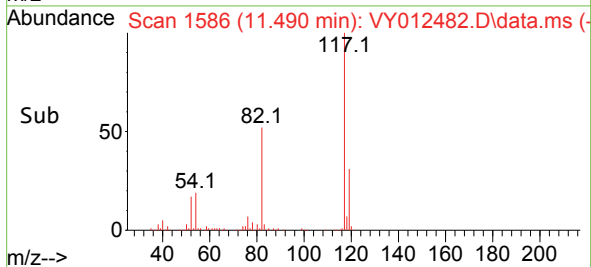
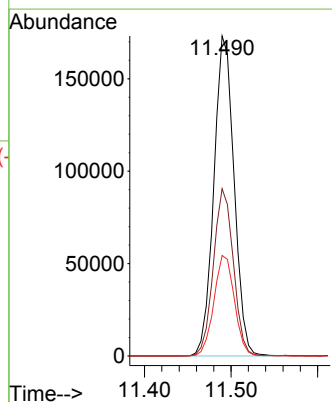
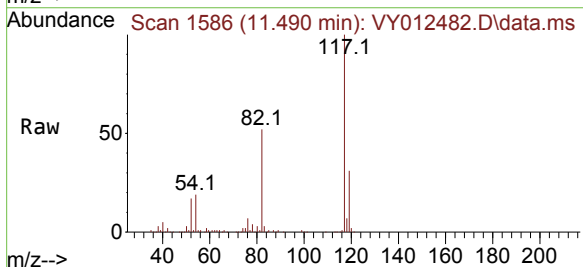
Instrument :  
MSVOA\_Y  
ClientSampleId :

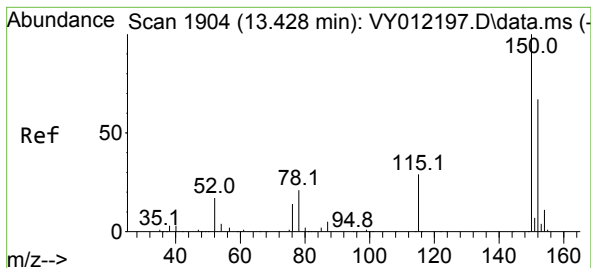
Tgt Ion: 95 Resp: 112544  
Ion Ratio Lower Upper  
95 100  
174 93.6 0.0 172.0  
176 91.2 0.0 167.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY012482.D  
Acq: 03 Feb 2023 17:10

Tgt Ion: 117 Resp: 280835  
Ion Ratio Lower Upper  
117 100  
82 52.2 44.8 67.2  
119 31.4 25.4 38.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012482.D

Acq: 03 Feb 2023 17:10

Instrument :

MSVOA\_Y

ClientSampleId :

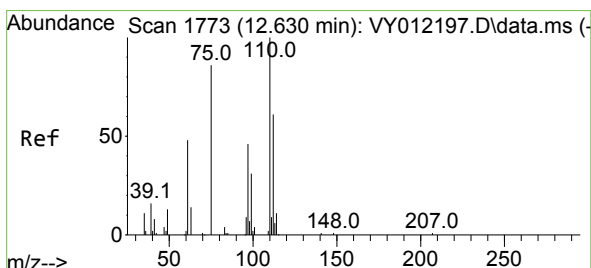
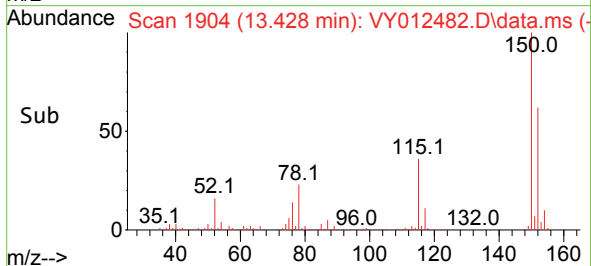
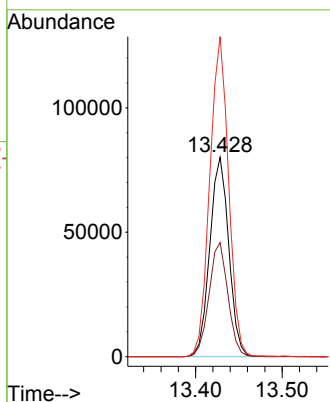
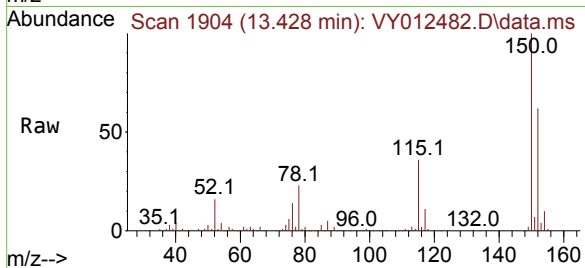
Tgt Ion:152 Resp: 122124

Ion Ratio Lower Upper

152 100

115 56.9 29.1 87.3

150 158.7 0.0 342.6



#76

1,2,3-Trichloropropane

Concen: 53.247 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.147 min

Lab File: VY012482.D

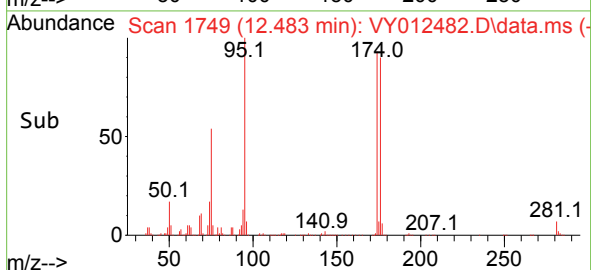
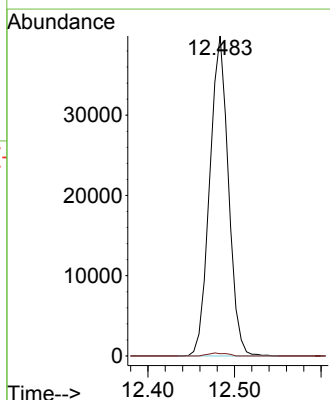
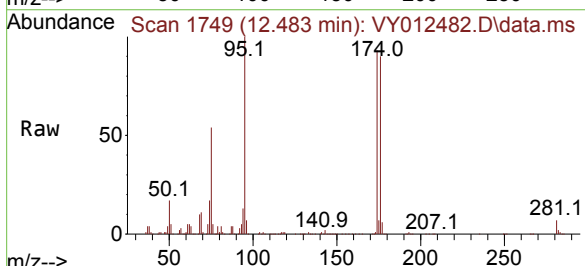
Acq: 03 Feb 2023 17:10

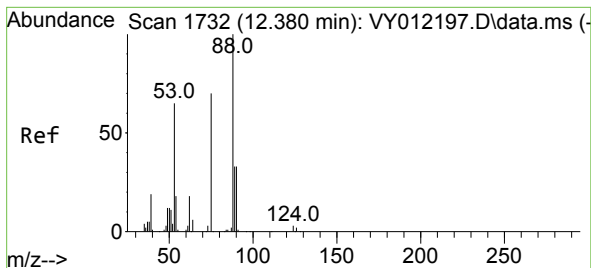
Tgt Ion: 75 Resp: 59795

Ion Ratio Lower Upper

75 100

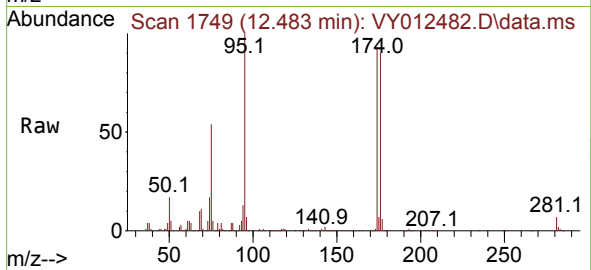
77 1.0 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 109.712 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.109 min  
 Lab File: VY012482.D  
 Acq: 03 Feb 2023 17:10

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 75 Resp: 59795  
 Ion Ratio Lower Upper  
 75 100  
 53 0.0 72.5 108.7#  
 89 0.1 37.0 55.4#

