

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081523\  
 Data File : VY015126.D  
 Acq On : 16 Aug 2023 00:55  
 Operator : SY/MD  
 Sample : 03972-01  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 36 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 16 04:26:05 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
 Quant Title : SW846 8260  
 QLast Update : Mon Aug 14 12:43:26 2023  
 Response via : Initial Calibration

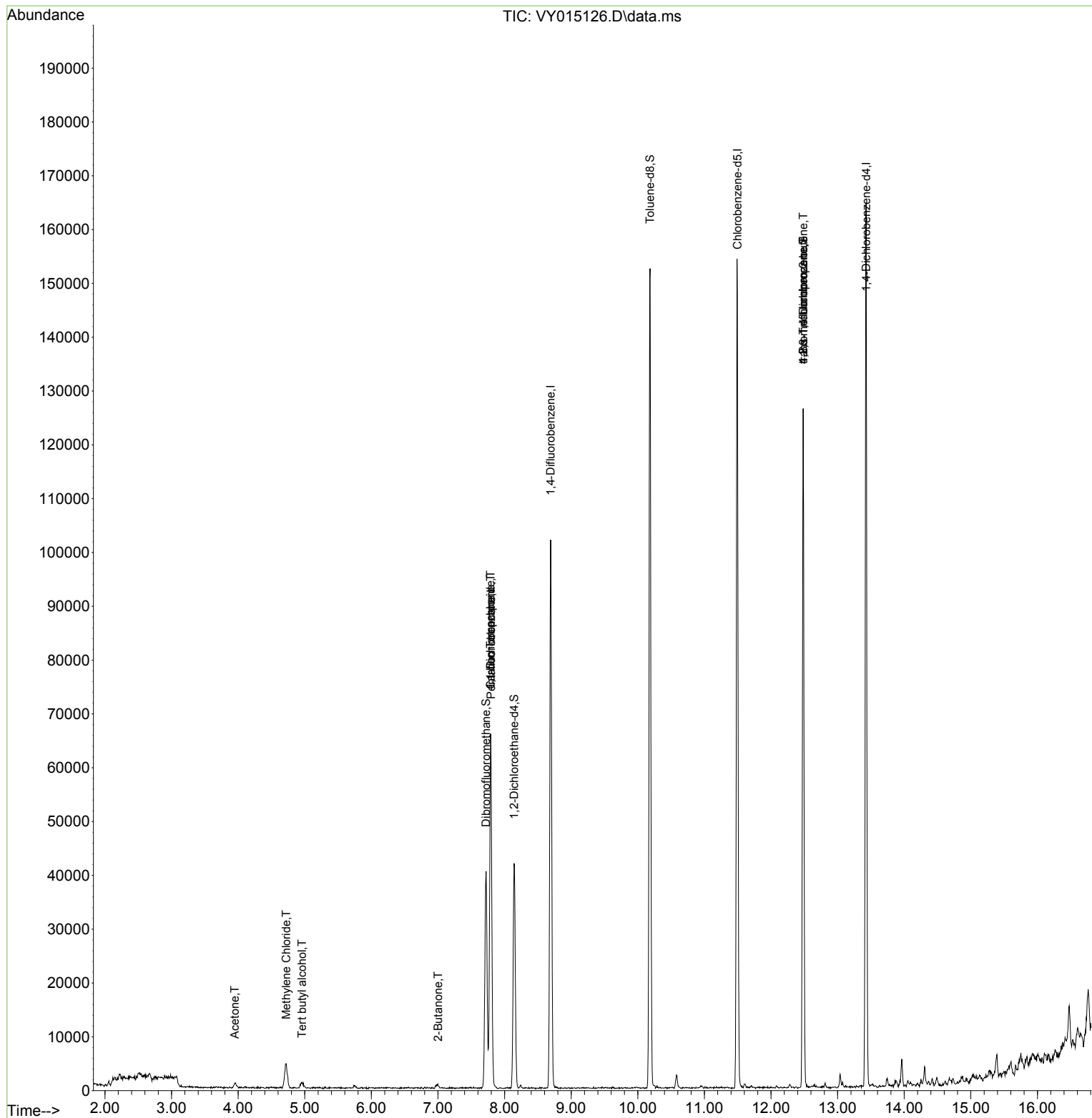
| Compound                      | R.T.   | QIon  | Response | Conc      | Units      | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|------------|----------|
| -----                         |        |       |          |           |            |          |
| Internal Standards            |        |       |          |           |            |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 50850    | 50.000    | ug/l       | 0.01     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 87086    | 50.000    | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.496 | 117   | 84877    | 50.000    | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 43139    | 50.000    | ug/l       | 0.00     |
| System Monitoring Compounds   |        |       |          |           |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.142  | 65    | 33547    | 54.958    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | = 109.920% |          |
| 35) Dibromofluoromethane      | 7.722  | 113   | 27922    | 49.838    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | = 99.680%  |          |
| 50) Toluene-d8                | 10.185 | 98    | 103365   | 49.562    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | = 99.120%  |          |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 38707    | 50.813    | ug/l       | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | = 101.620% |          |
| Target Compounds              |        |       |          |           |            |          |
|                               |        |       |          |           | Qvalue     |          |
| 3) Chloromethane              | 2.119  | 50    | 249      | Below Cal |            | 98       |
| 5) Bromomethane               | 2.668  | 94    | 327      | Below Cal |            | 82       |
| 11) Tert butyl alcohol        | 4.960  | 59    | 2221     | 6.308     | ug/l #     | 97       |
| 16) Acetone                   | 3.948  | 43    | 1568     | 7.863     | ug/l #     | 85       |
| 20) Methylene Chloride        | 4.722  | 84    | 3621     | 3.561     | ug/l #     | 77       |
| 25) 2-Butanone                | 7.002  | 43    | 314      | 1.112     | ug/l #     | 49       |
| 31) Cyclohexane               | 7.789  | 56    | 1237     | Below Cal | #          | 56       |
| 36) 1,1-Dichloropropene       | 7.789  | 75    | 3886     | 6.270     | ug/l #     | 50       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 5206     | 7.097     | ug/l #     | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 20802    | 39.690    | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 20802    | 87.179    | ug/l #     | 10       |
| -----                         |        |       |          |           |            |          |

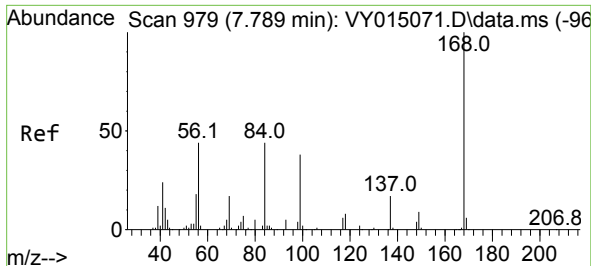
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 16 04:26:05 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y081423S.M  
Quant Title : SW846 8260  
QLast Update : Mon Aug 14 12:43:26 2023  
Response via : Initial Calibration

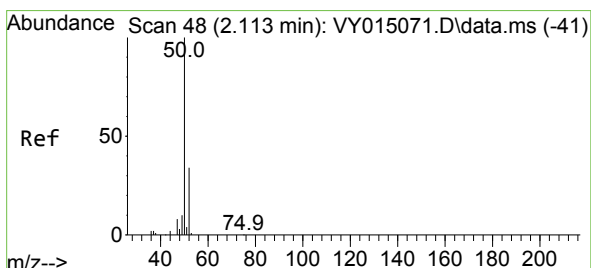
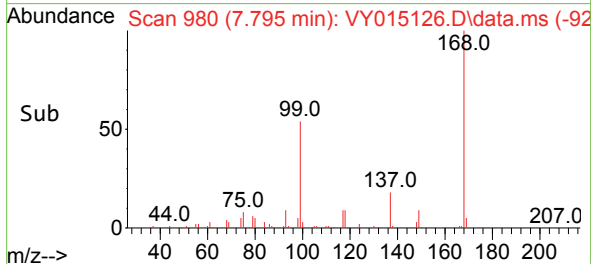
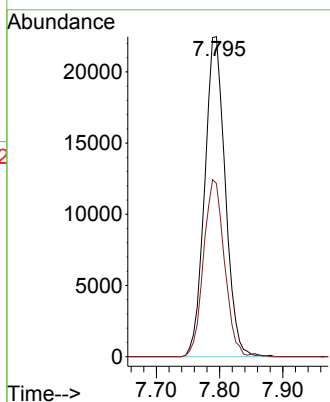
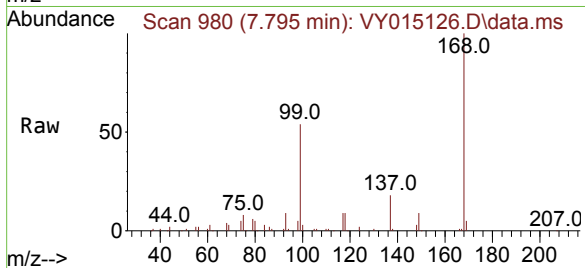




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.012 min  
Lab File: VY015126.D  
Acq: 16 Aug 2023 00:55

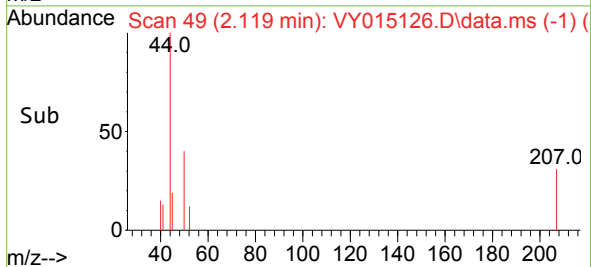
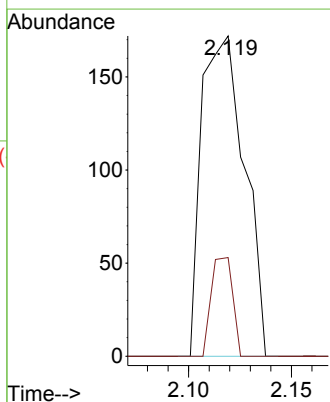
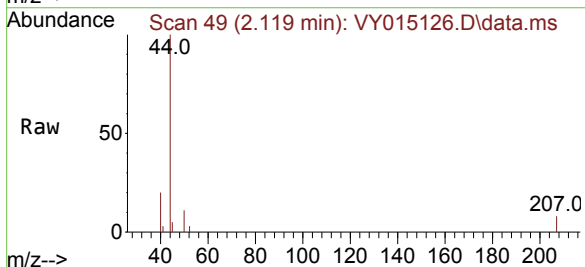
Instrument :  
MSVOA\_Y  
ClientSampleId :

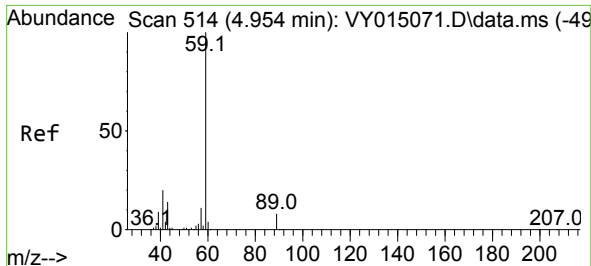
Tgt Ion:168 Resp: 50850  
Ion Ratio Lower Upper  
168 100  
99 54.1 43.4 65.0



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.119 min Scan# 49  
Delta R.T. 0.012 min  
Lab File: VY015126.D  
Acq: 16 Aug 2023 00:55

Tgt Ion: 50 Resp: 249  
Ion Ratio Lower Upper  
50 100  
52 30.8 25.4 38.2

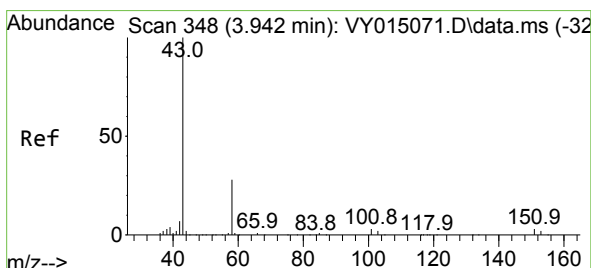
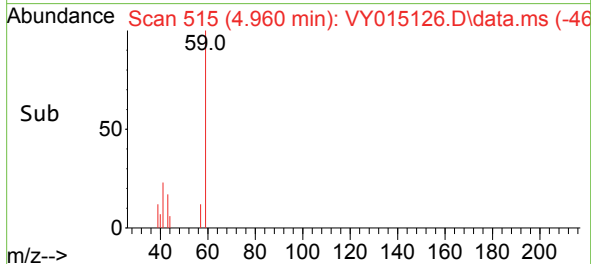
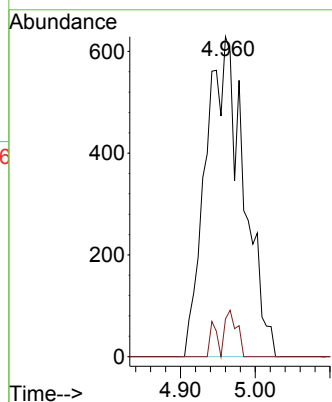
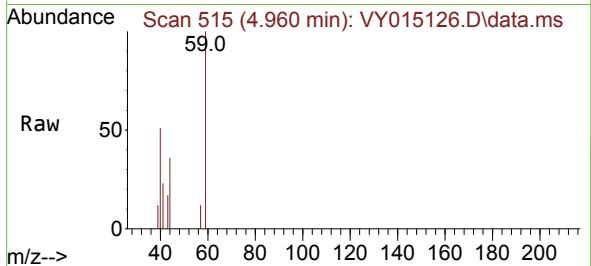




#11  
Tert butyl alcohol  
Concen: 6.308 ug/l  
RT: 4.960 min Scan# 514  
Delta R.T. 0.012 min  
Lab File: VY015126.D  
Acq: 16 Aug 2023 00:55

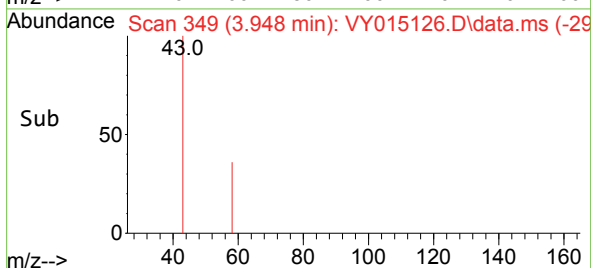
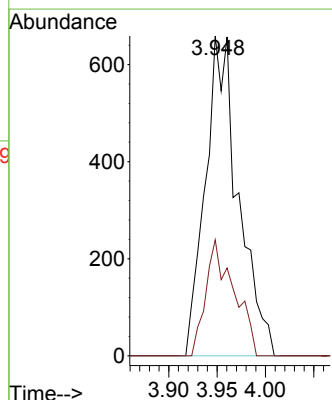
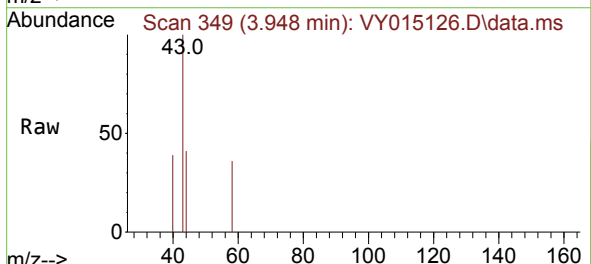
Instrument :  
MSVOA\_Y  
ClientSampleId :

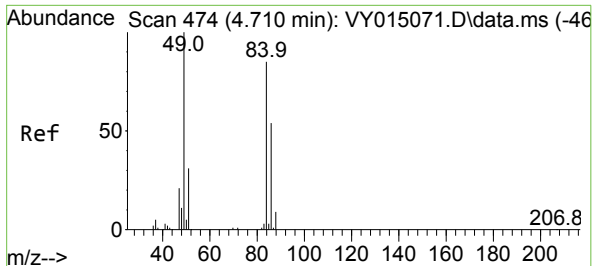
Tgt Ion: 59 Resp: 2221  
Ion Ratio Lower Upper  
59 100  
57 4.6 3.0 4.4#



#16  
Acetone  
Concen: 7.863 ug/l  
RT: 3.948 min Scan# 349  
Delta R.T. 0.006 min  
Lab File: VY015126.D  
Acq: 16 Aug 2023 00:55

Tgt Ion: 43 Resp: 1568  
Ion Ratio Lower Upper  
43 100  
58 36.3 22.7 34.1#





#20

Methylene Chloride

Concen: 3.561 ug/l

RT: 4.722 min Scan# 41

Delta R.T. 0.012 min

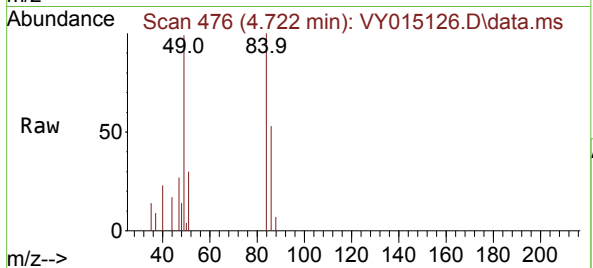
Lab File: VY015126.D

Acq: 16 Aug 2023 00:55

Instrument :

MSVOA\_Y

ClientSampleId :



Tgt Ion: 84 Resp: 3621

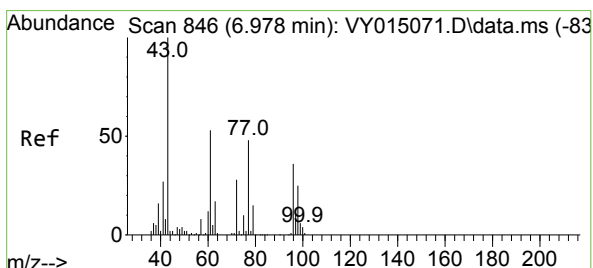
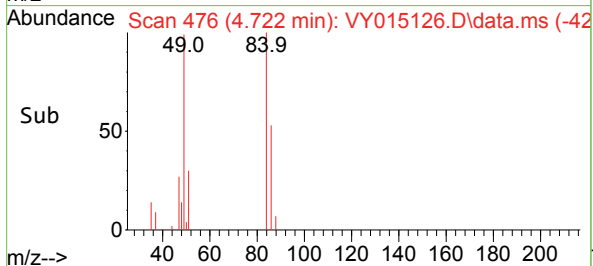
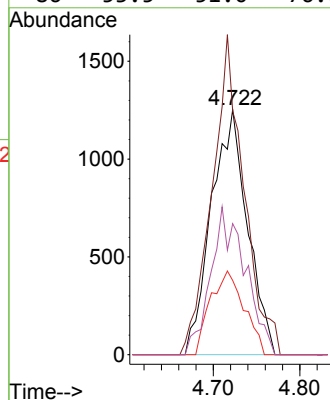
Ion Ratio Lower Upper

84 100

49 99.4 106.9 160.3#

51 30.3 33.2 49.8#

86 53.5 51.0 76.6



#25

2-Butanone

Concen: 1.112 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.024 min

Lab File: VY015126.D

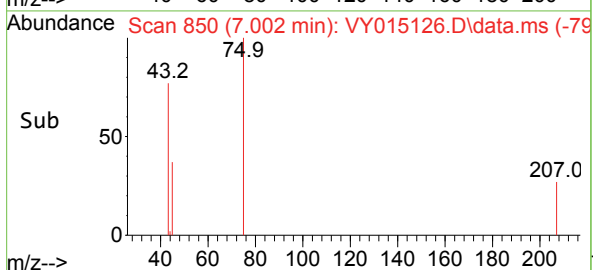
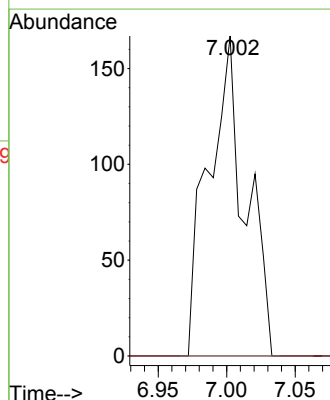
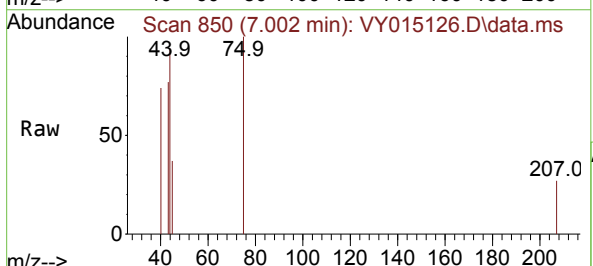
Acq: 16 Aug 2023 00:55

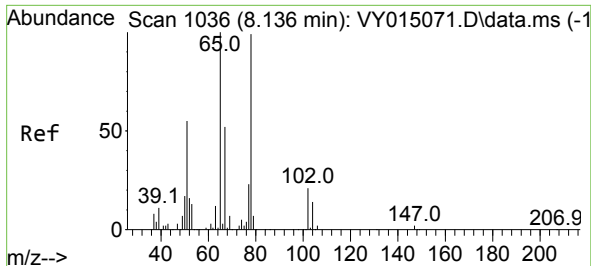
Tgt Ion: 43 Resp: 314

Ion Ratio Lower Upper

43 100

72 0.0 20.5 30.7#





#33

1,2-Dichloroethane-d4

Concen: 54.958 ug/l

RT: 8.142 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015126.D

Acq: 16 Aug 2023 00:55

Instrument :

MSVOA\_Y

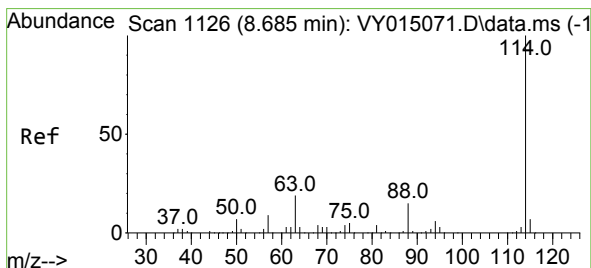
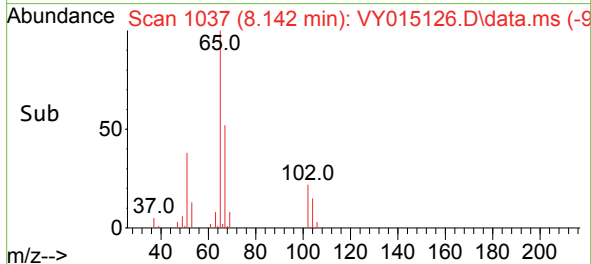
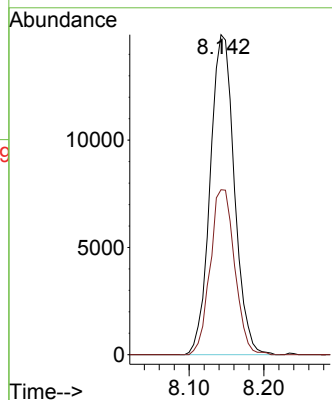
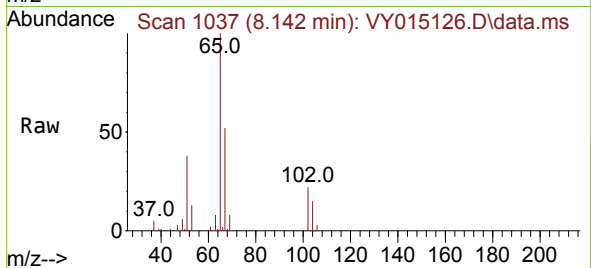
ClientSampleId :

Tgt Ion: 65 Resp: 33547

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015126.D

Acq: 16 Aug 2023 00:55

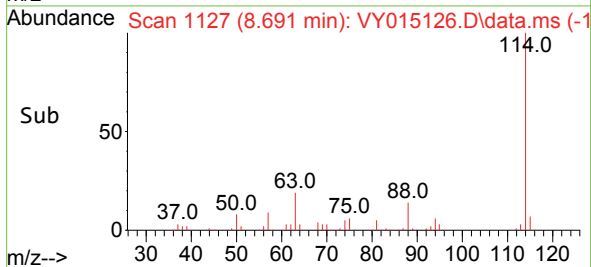
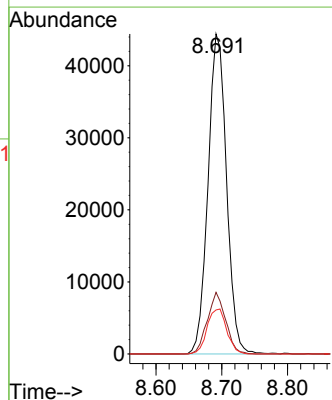
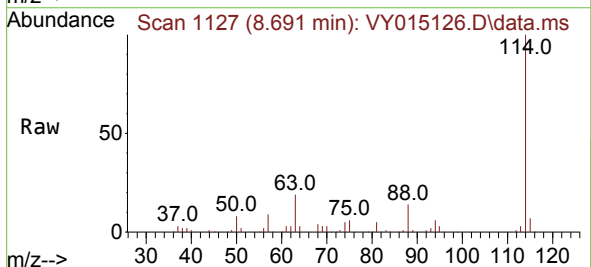
Tgt Ion: 114 Resp: 87086

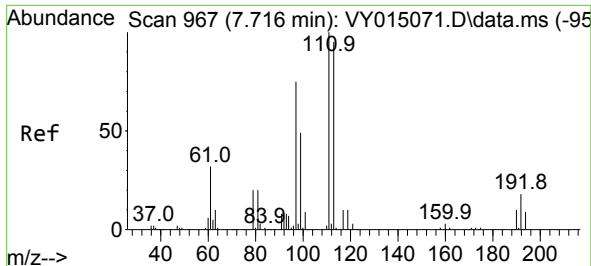
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

88 13.7 0.0 30.6

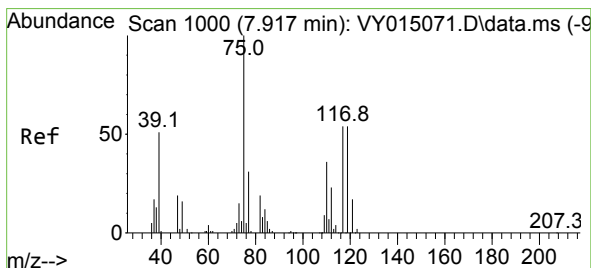
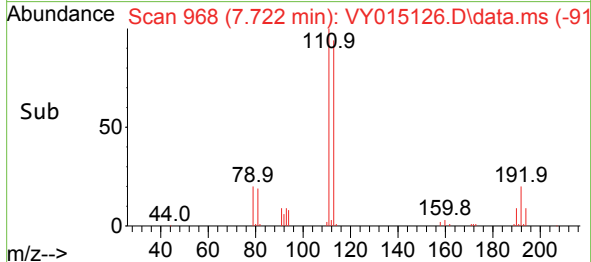
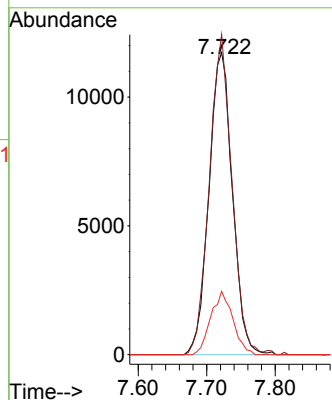
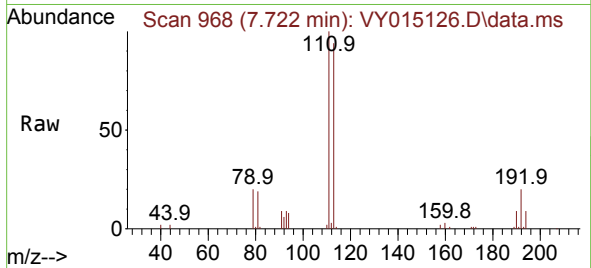




#35  
Dibromofluoromethane  
Concen: 49.838 ug/l  
RT: 7.722 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY015126.D  
Acq: 16 Aug 2023 00:55

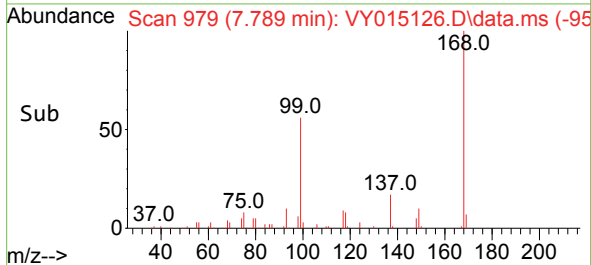
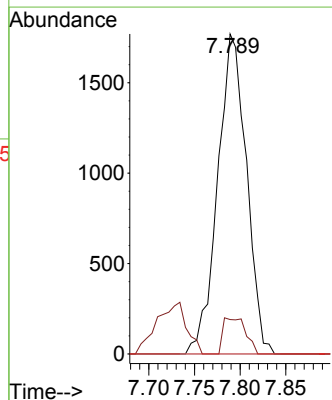
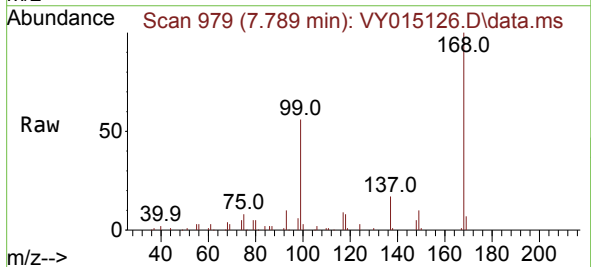
Instrument :  
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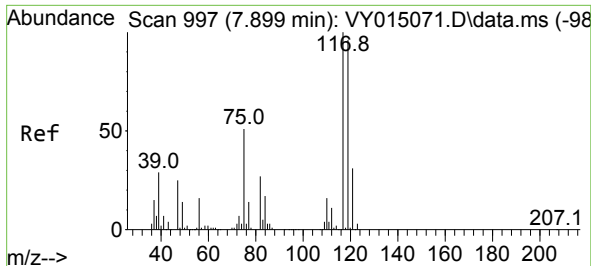
Tgt Ion:113 Resp: 27922  
Ion Ratio Lower Upper  
113 100  
111 101.8 81.3 121.9  
192 19.8 16.9 25.3



#36  
1,1-Dichloropropene  
Concen: 6.270 ug/l  
RT: 7.789 min Scan# 979  
Delta R.T. -0.122 min  
Lab File: VY015126.D  
Acq: 16 Aug 2023 00:55

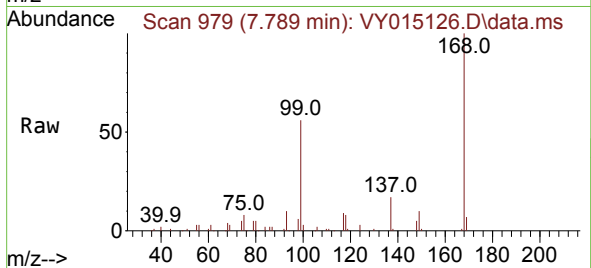
Tgt Ion: 75 Resp: 3886  
Ion Ratio Lower Upper  
75 100  
110 8.9 17.8 53.5#  
77 0.0 24.4 36.6#



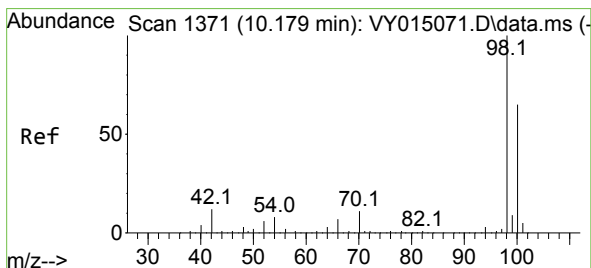
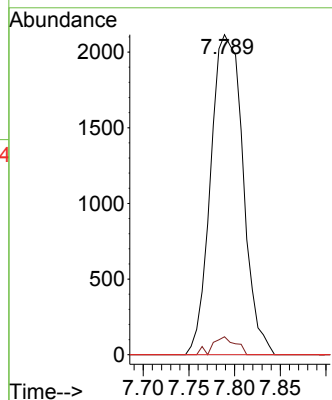
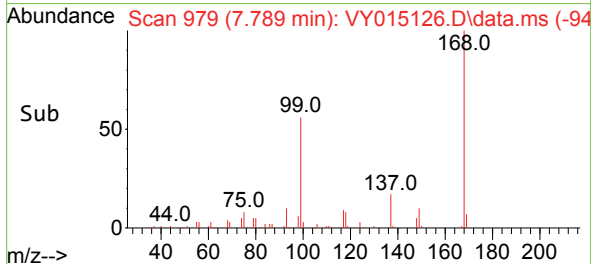


#38  
Carbon Tetrachloride  
Concen: 7.097 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.110 min  
Lab File: VY015126.D  
Acq: 16 Aug 2023 00:55

Instrument :  
MSVOA\_Y  
ClientSampleId :

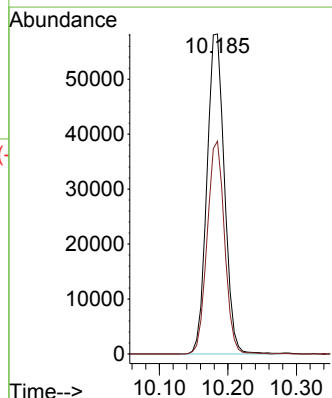
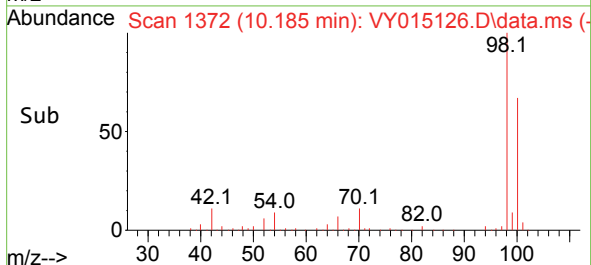
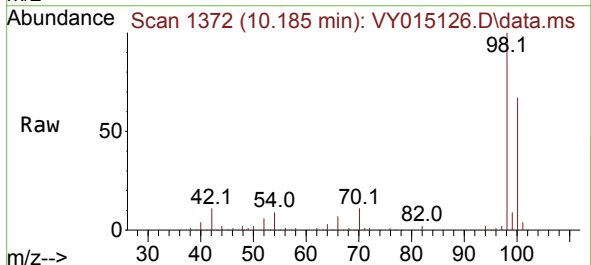


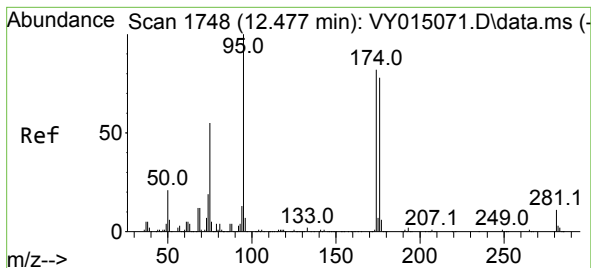
Tgt Ion:117 Resp: 5206  
Ion Ratio Lower Upper  
117 100  
119 5.6 76.4 114.6#  
121 0.0 25.8 38.6#



#50  
Toluene-d8  
Concen: 49.562 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.006 min  
Lab File: VY015126.D  
Acq: 16 Aug 2023 00:55

Tgt Ion: 98 Resp: 103365  
Ion Ratio Lower Upper  
98 100  
100 66.0 50.1 75.1





#62

4-Bromofluorobenzene

Concen: 50.813 ug/l

RT: 12.483 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY015126.D

Acq: 16 Aug 2023 00:55

Instrument :

MSVOA\_Y

ClientSampleId :

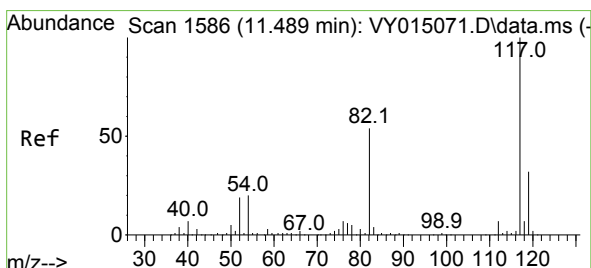
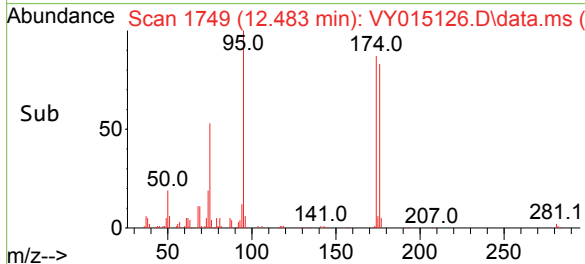
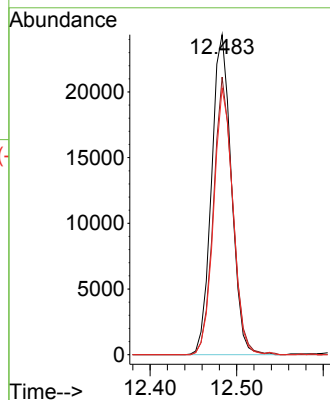
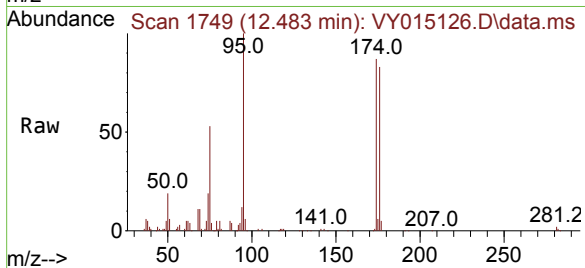
Tgt Ion: 95 Resp: 38707

Ion Ratio Lower Upper

95 100

174 84.4 0.0 178.2

176 81.5 0.0 173.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 1587

Delta R.T. 0.006 min

Lab File: VY015126.D

Acq: 16 Aug 2023 00:55

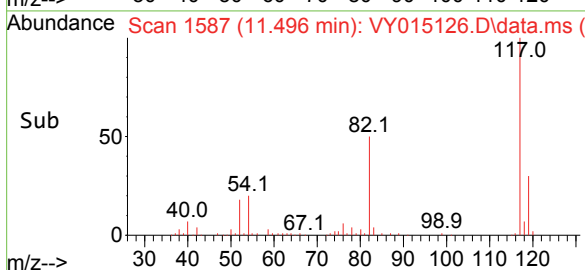
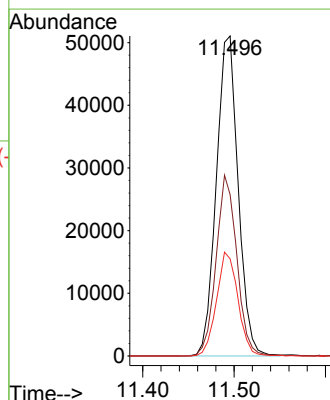
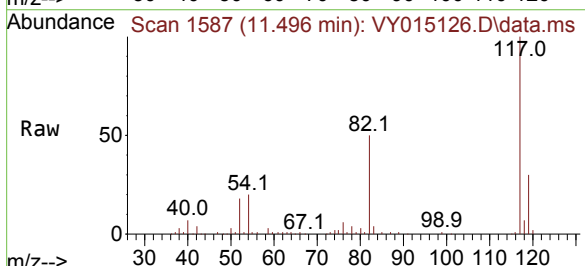
Tgt Ion: 117 Resp: 84877

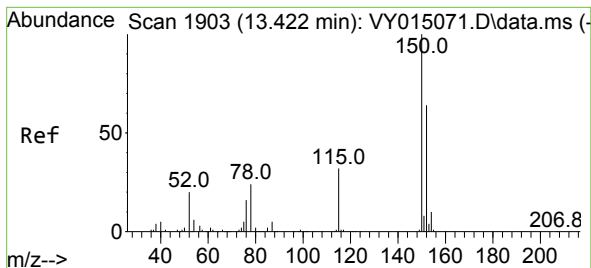
Ion Ratio Lower Upper

117 100

82 50.4 43.4 65.0

119 30.3 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1903

Delta R.T. 0.006 min

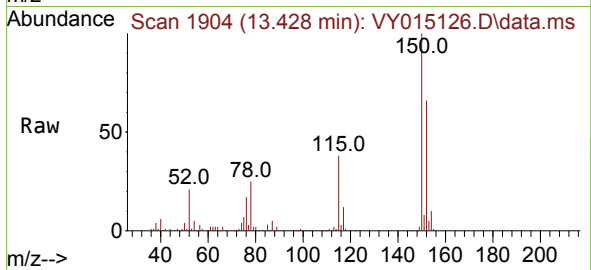
Lab File: VY015126.D

Acq: 16 Aug 2023 00:55

Instrument :

MSVOA\_Y

ClientSampleId :



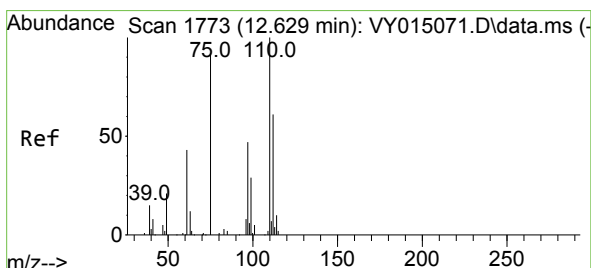
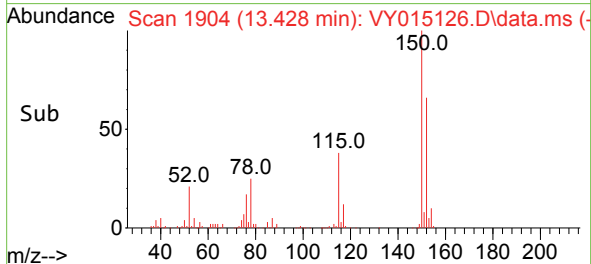
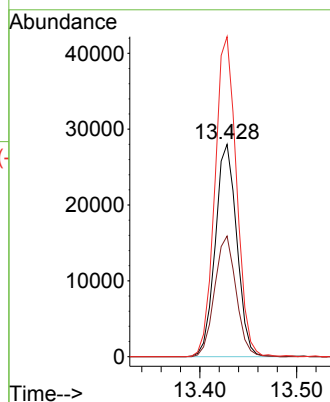
Tgt Ion:152 Resp: 43139

Ion Ratio Lower Upper

152 100

115 56.9 28.8 86.5

150 151.4 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 39.690 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.146 min

Lab File: VY015126.D

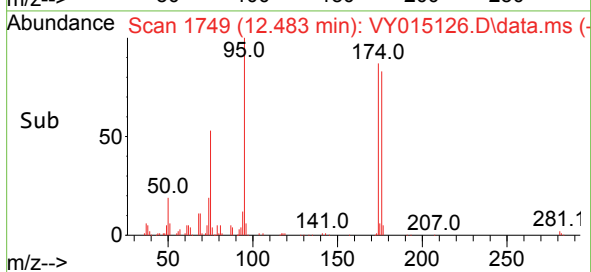
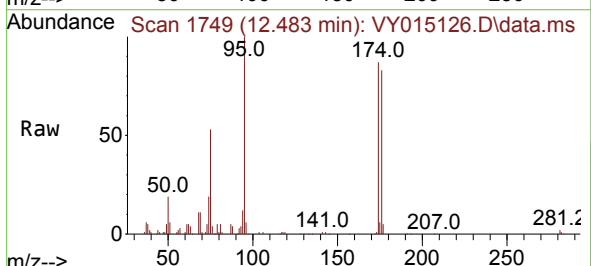
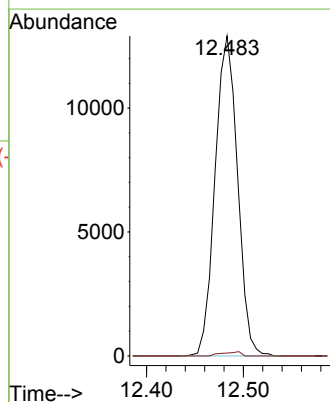
Acq: 16 Aug 2023 00:55

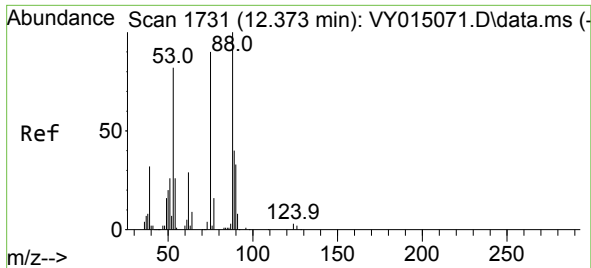
Tgt Ion: 75 Resp: 20802

Ion Ratio Lower Upper

75 100

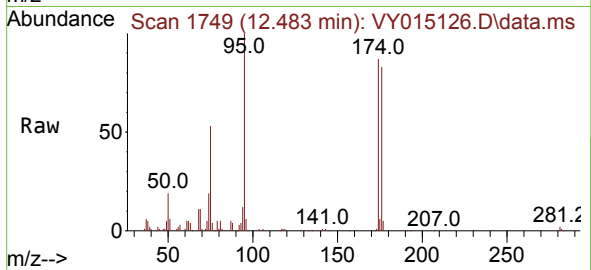
77 1.1 0.0 0.0#





#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 87.179 ug/l  
 RT: 12.483 min Scan# 11  
 Delta R.T. 0.110 min  
 Lab File: VY015126.D  
 Acq: 16 Aug 2023 00:55

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



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

