

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY062424\  
 Data File : VY018679.D  
 Acq On : 24 Jun 2024 16:54  
 Operator : SY/MD  
 Sample : P2997-01  
 Misc : 5.02g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

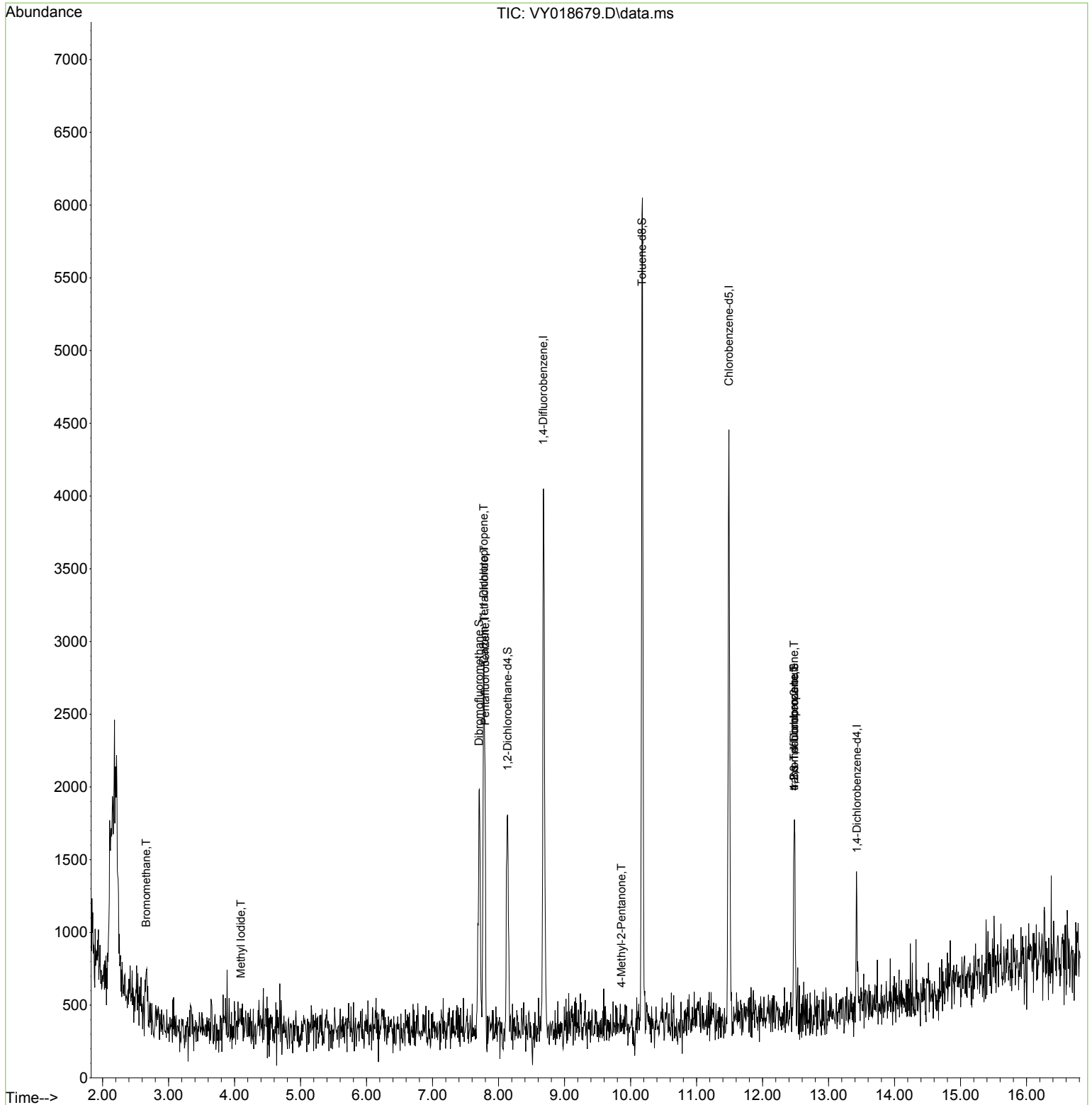
Quant Time: Jun 25 01:11:11 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 14 07:08:24 2024  
 Response via : Initial Calibration

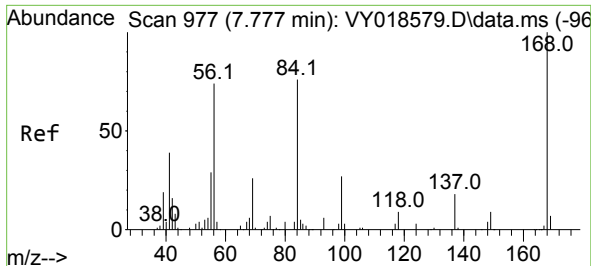
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.795  | 168   | 2582     | 50.000    | ug/l   | # 0.02   |
| 34) 1,4-Difluorobenzene       | 8.679  | 114   | 3891     | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.490 | 117   | 2559     | 50.000    | ug/l   | # 0.00   |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 445      | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.137  | 65    | 1249     | 48.047    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 96.100%  |
| 35) Dibromofluoromethane      | 7.704  | 113   | 1308     | 55.107    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 110.220% |
| 50) Toluene-d8                | 10.173 | 98    | 3992     | 43.734    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 87.460%  |
| 62) 4-Bromofluorobenzene      | 12.477 | 95    | 637      | 22.100    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 44.200%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 5) Bromomethane               | 2.662  | 94    | 223      | 6.917     | ug/l # | 60       |
| 10) Methyl Iodide             | 4.095  | 142   | 101      | 4.069     | ug/l # | 42       |
| 20) Methylene Chloride        | 4.704  | 84    | 124      | Below Cal | #      | 73       |
| 36) 1,1-Dichloropropene       | 7.777  | 75    | 70       | 2.143     | ug/l # | 40       |
| 38) Carbon Tetrachloride      | 7.783  | 117   | 191      | 5.572     | ug/l # | 13       |
| 51) 4-Methyl-2-Pentanone      | 9.862  | 43    | 52       | 3.434     | ug/l # | 31       |
| 76) 1,2,3-Trichloropropane    | 12.477 | 75    | 397      | 95.106    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.477 | 75    | 397      | 249.118   | ug/l # | 16       |
| -----                         |        |       |          |           |        |          |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y061324S.M  
Quant Title : SW846 8260  
QLast Update : Fri Jun 14 07:08:24 2024  
Response via : Initial Calibration

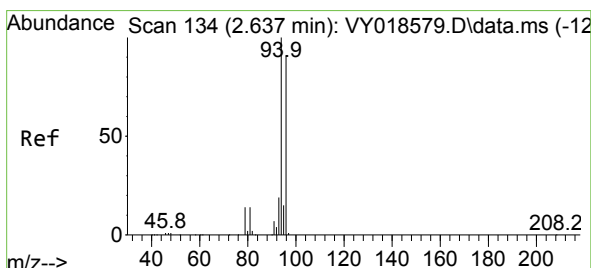
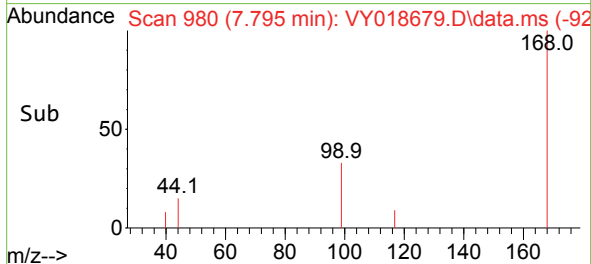
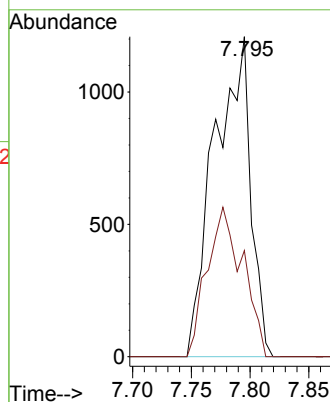
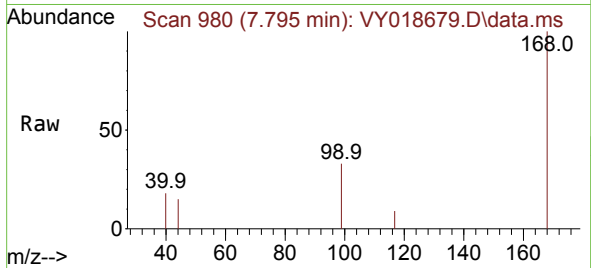




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.018 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

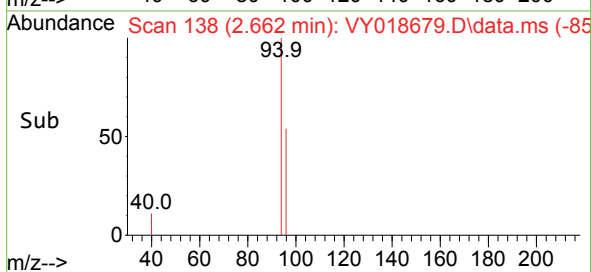
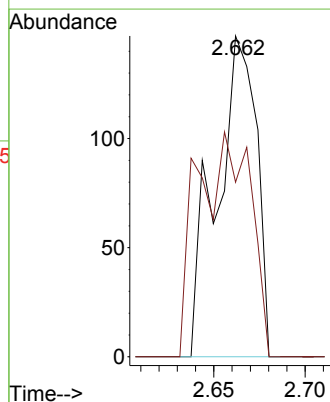
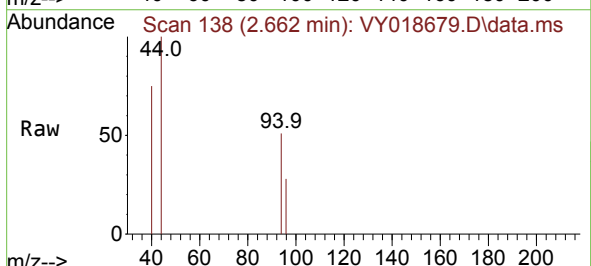
Instrument :  
MSVOA\_Y  
ClientSampleId :

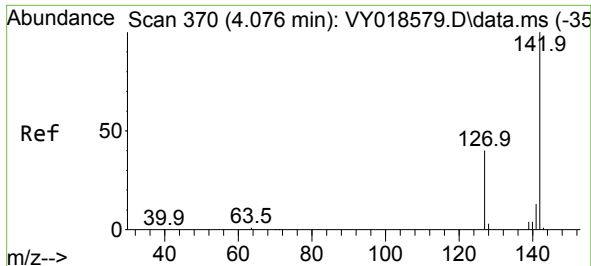
Tgt Ion:168 Resp: 2582  
Ion Ratio Lower Upper  
168 100  
99 33.2 39.1 58.7#



#5  
Bromomethane  
Concen: 6.917 ug/l  
RT: 2.662 min Scan# 138  
Delta R.T. 0.024 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

Tgt Ion: 94 Resp: 223  
Ion Ratio Lower Upper  
94 100  
96 54.4 74.1 111.1#

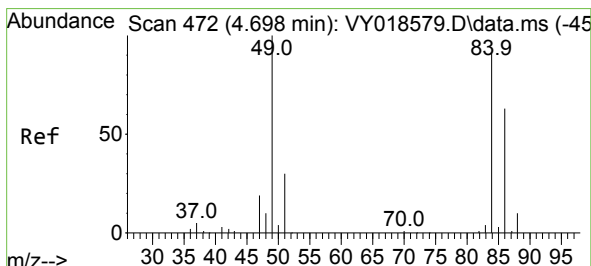
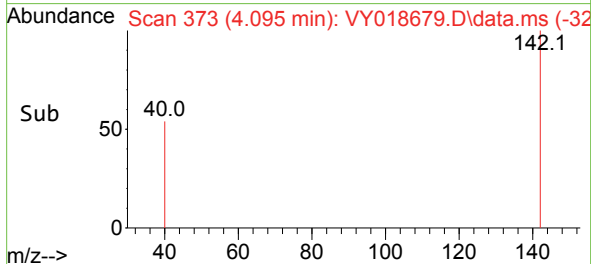
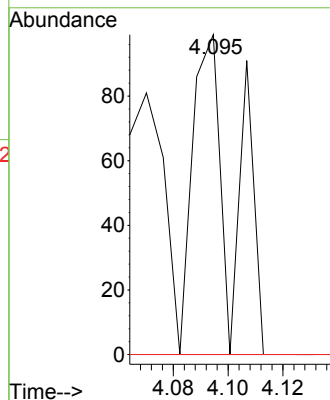
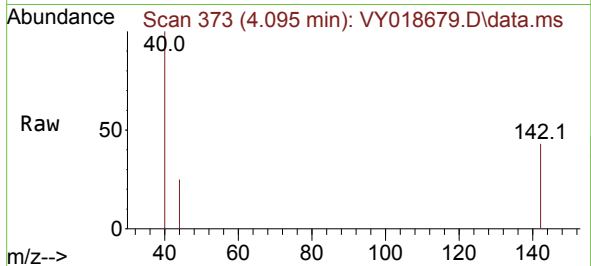




#10  
Methyl Iodide  
Concen: 4.069 ug/l  
RT: 4.095 min Scan# 31  
Delta R.T. 0.019 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

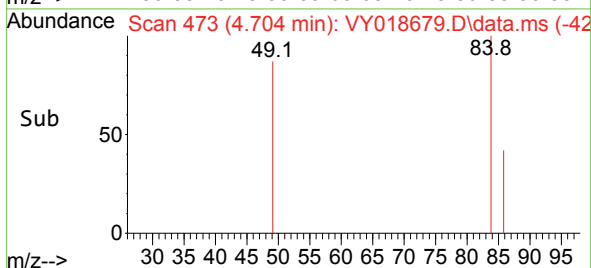
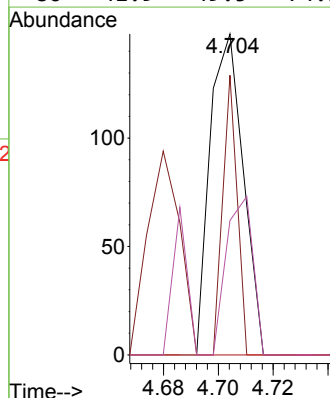
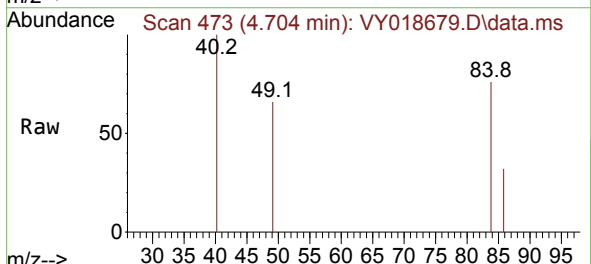
Instrument :  
MSVOA\_Y  
ClientSampleId :

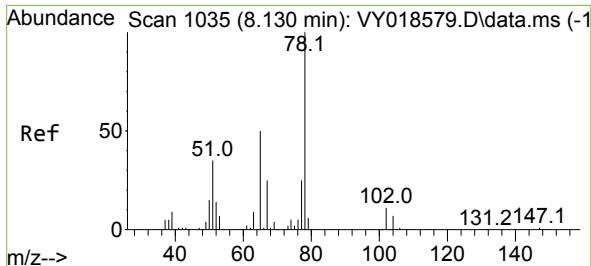
Tgt Ion:142 Resp: 101  
Ion Ratio Lower Upper  
142 100  
127 0.0 32.8 49.2#  
141 0.0 11.4 17.2#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.704 min Scan# 473  
Delta R.T. 0.006 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

Tgt Ion: 84 Resp: 124  
Ion Ratio Lower Upper  
84 100  
49 87.2 84.4 126.6  
51 0.0 26.0 39.0#  
86 41.9 49.5 74.3#

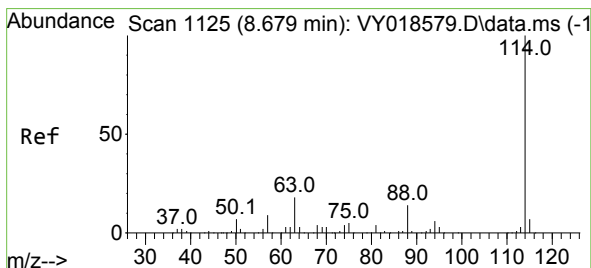
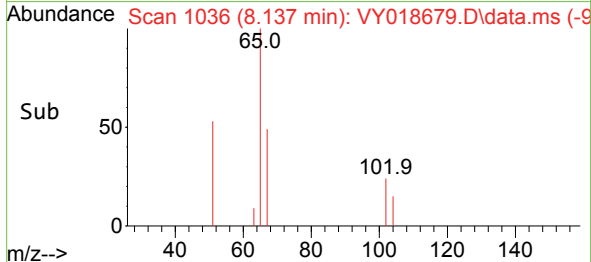
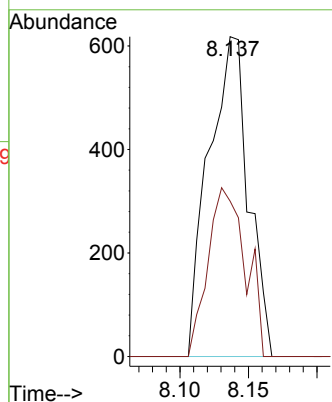
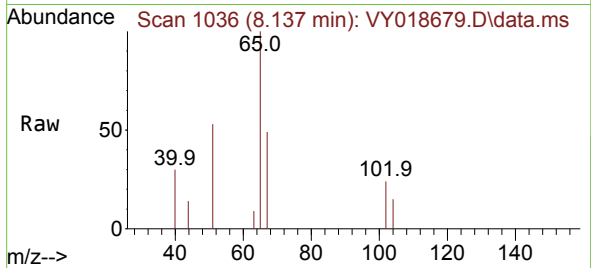




#33  
 1,2-Dichloroethane-d4  
 Concen: 48.047 ug/l  
 RT: 8.137 min Scan# 1035  
 Delta R.T. 0.006 min  
 Lab File: VY018679.D  
 Acq: 24 Jun 2024 16:54

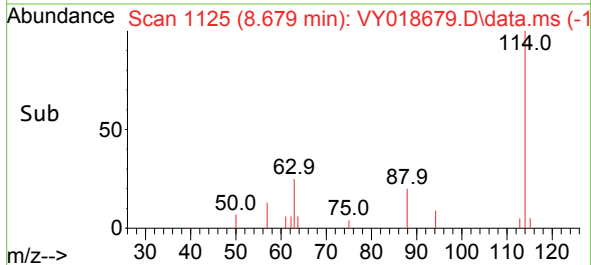
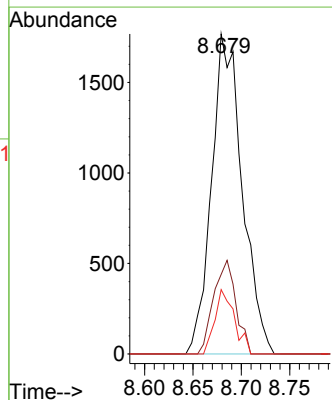
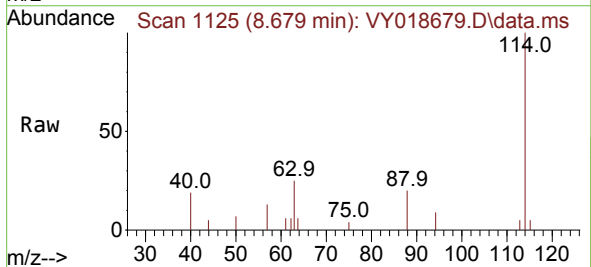
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

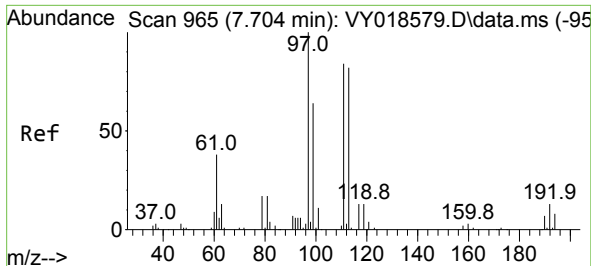
Tgt Ion: 65 Resp: 1249  
 Ion Ratio Lower Upper  
 65 100  
 67 49.8 0.0 109.6



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.679 min Scan# 1125  
 Delta R.T. 0.000 min  
 Lab File: VY018679.D  
 Acq: 24 Jun 2024 16:54

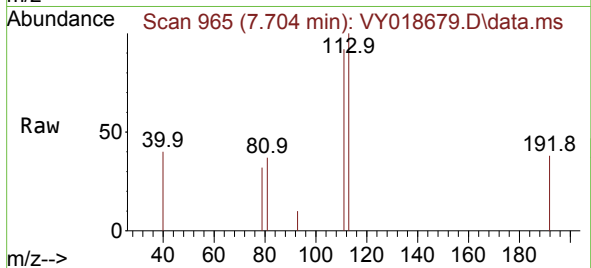
Tgt Ion: 114 Resp: 3891  
 Ion Ratio Lower Upper  
 114 100  
 63 30.6 0.0 35.0  
 88 20.1 0.0 27.2



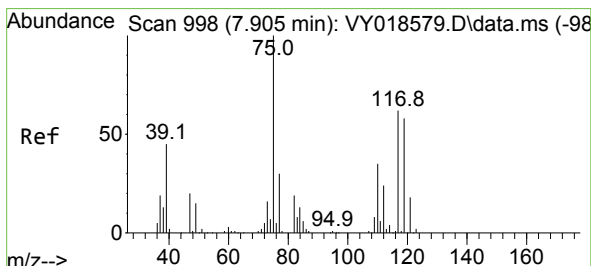
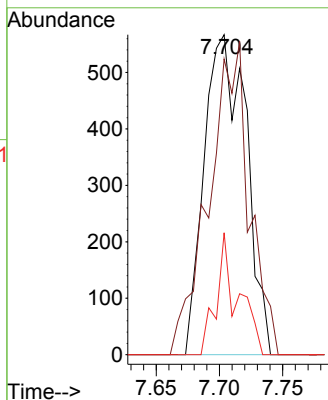
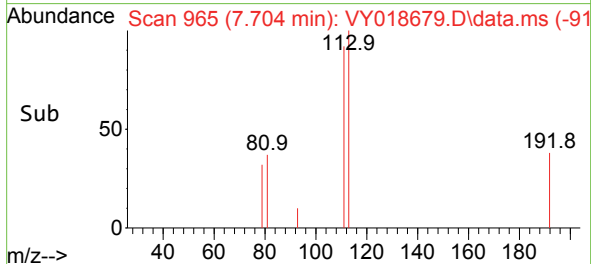


#35  
Dibromofluoromethane  
Concen: 55.107 ug/l  
RT: 7.704 min Scan# 911  
Delta R.T. 0.000 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

Instrument :  
MSVOA\_Y  
ClientSampleId :

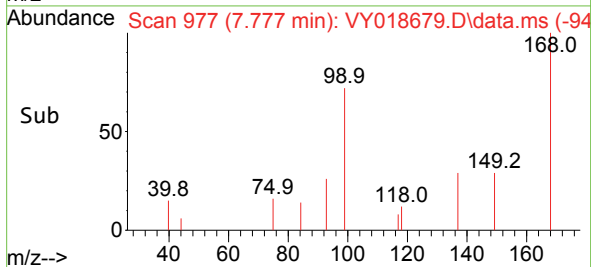
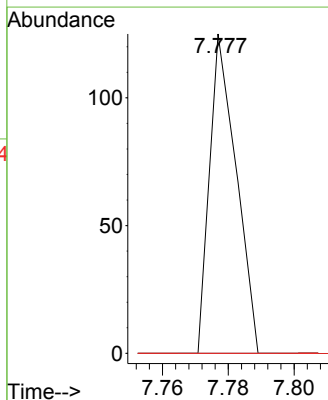
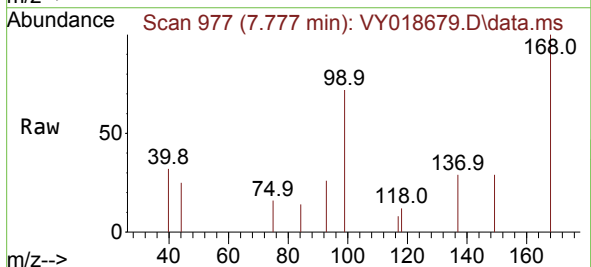


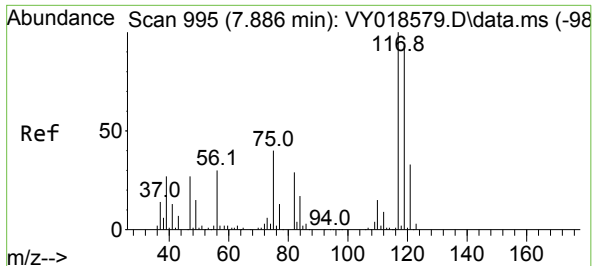
Tgt Ion:113 Resp: 1308  
Ion Ratio Lower Upper  
113 100  
111 93.4 82.2 123.4  
192 19.5 15.9 23.9



#36  
1,1-Dichloropropene  
Concen: 2.143 ug/l  
RT: 7.777 min Scan# 977  
Delta R.T. -0.128 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

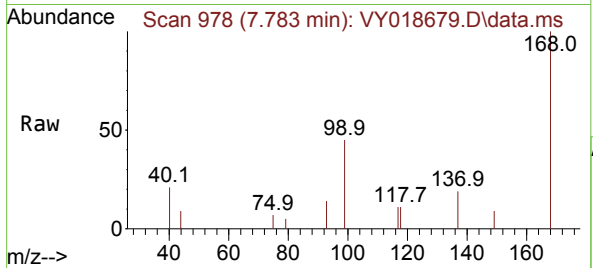
Tgt Ion: 75 Resp: 70  
Ion Ratio Lower Upper  
75 100  
110 0.0 19.0 57.0#  
77 0.0 25.3 37.9#



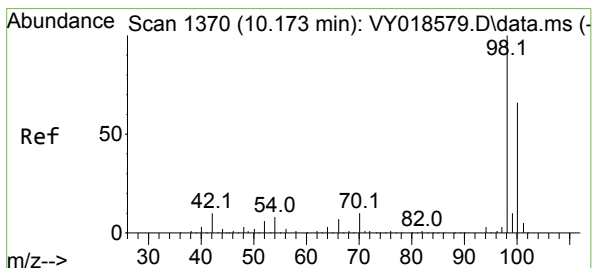
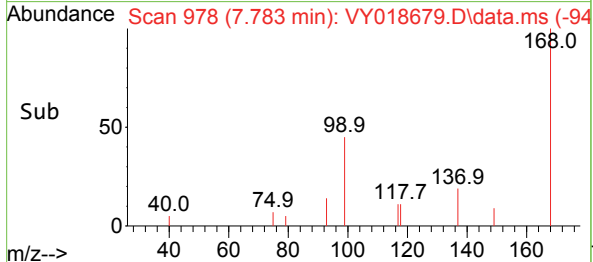
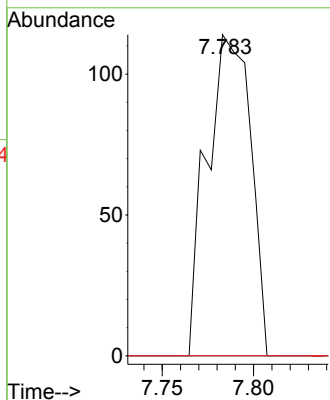


#38  
Carbon Tetrachloride  
Concen: 5.572 ug/l  
RT: 7.783 min Scan# 91  
Delta R.T. -0.104 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

Instrument :  
MSVOA\_Y  
ClientSampleId :

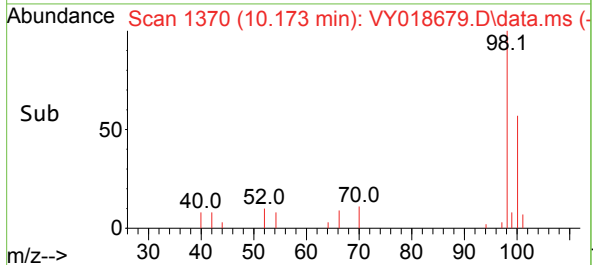
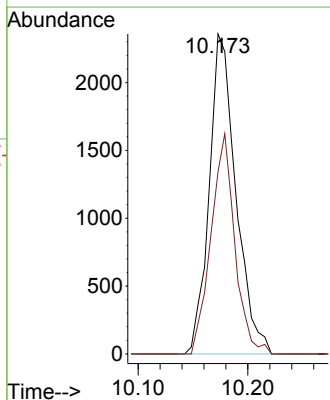
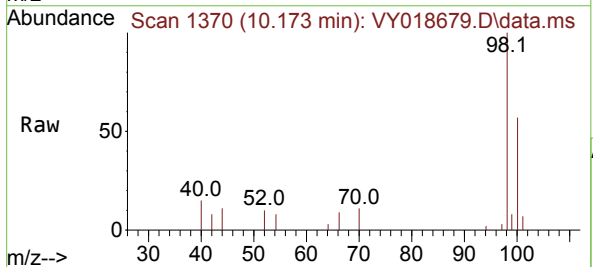


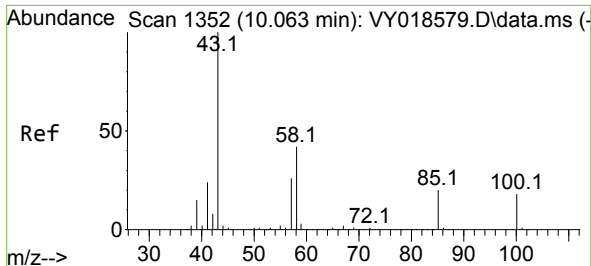
Tgt Ion:117 Resp: 191  
Ion Ratio Lower Upper  
117 100  
119 0.0 75.8 113.6#  
121 0.0 24.0 36.0#



#50  
Toluene-d8  
Concen: 43.734 ug/l  
RT: 10.173 min Scan# 1370  
Delta R.T. 0.000 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

Tgt Ion: 98 Resp: 3992  
Ion Ratio Lower Upper  
98 100  
100 61.5 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 3.434 ug/l

RT: 9.862 min Scan# 1319

Delta R.T. -0.201 min

Lab File: VY018679.D

Acq: 24 Jun 2024 16:54

Instrument :

MSVOA\_Y

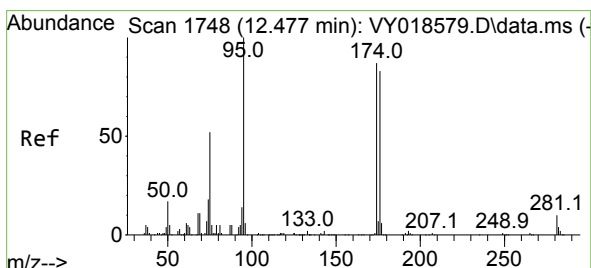
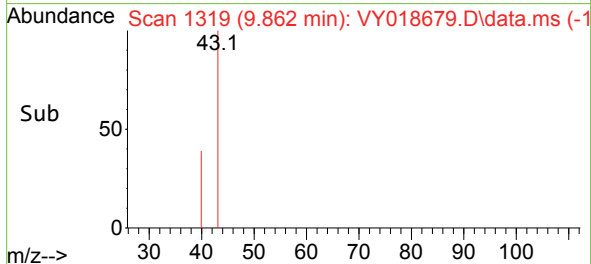
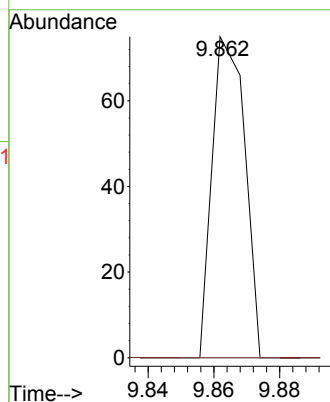
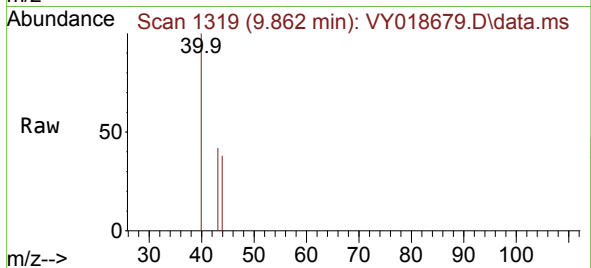
ClientSampleId :

Tgt Ion: 43 Resp: 52

Ion Ratio Lower Upper

43 100

58 0.0 35.7 53.5#



#62

4-Bromofluorobenzene

Concen: 22.100 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY018679.D

Acq: 24 Jun 2024 16:54

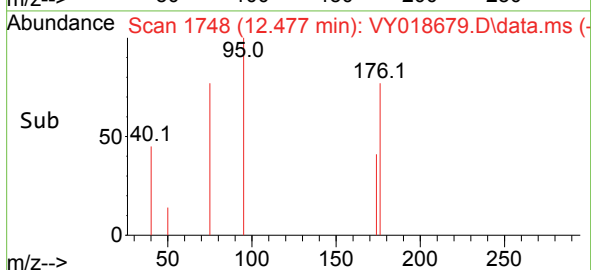
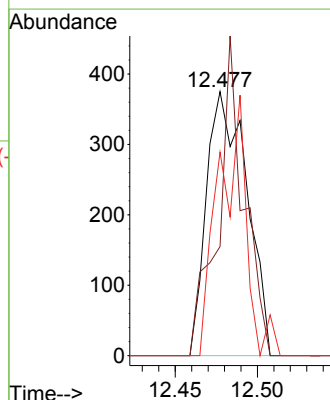
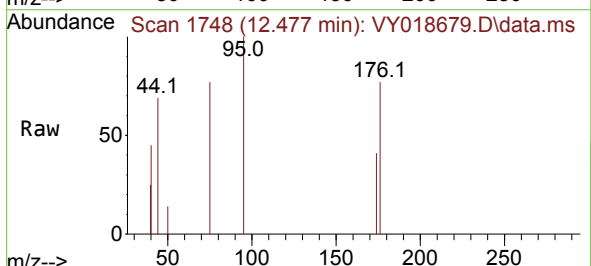
Tgt Ion: 95 Resp: 637

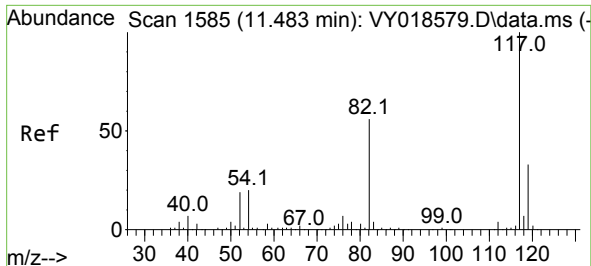
Ion Ratio Lower Upper

95 100

174 78.0 0.0 175.6

176 68.0 0.0 171.4

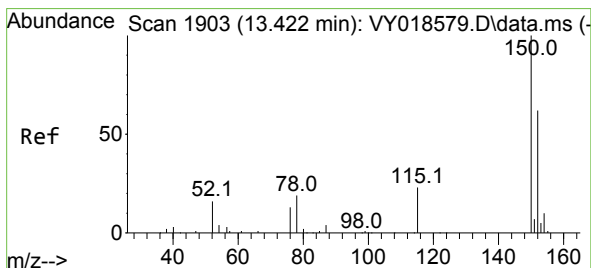
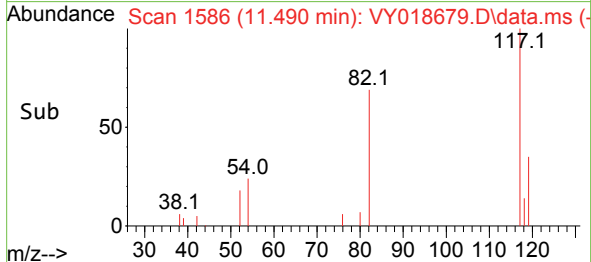
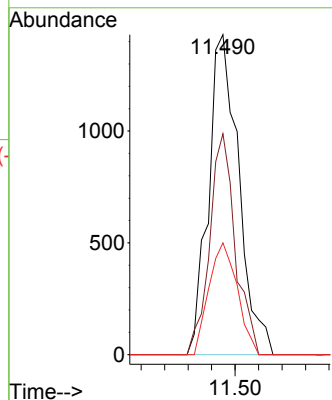
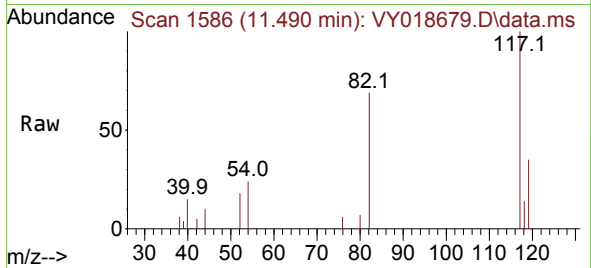




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

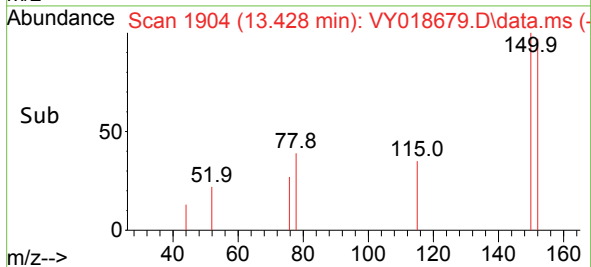
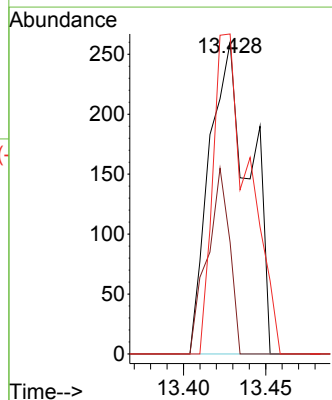
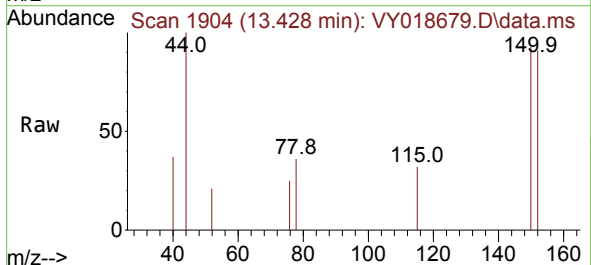
Instrument :  
MSVOA\_Y  
ClientSampleId :

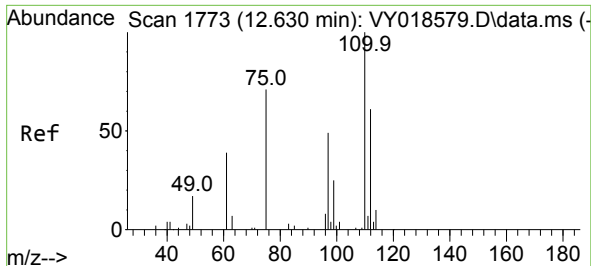
Tgt Ion:117 Resp: 2559  
Ion Ratio Lower Upper  
117 100  
82 69.0 42.4 63.6#  
119 34.9 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.006 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

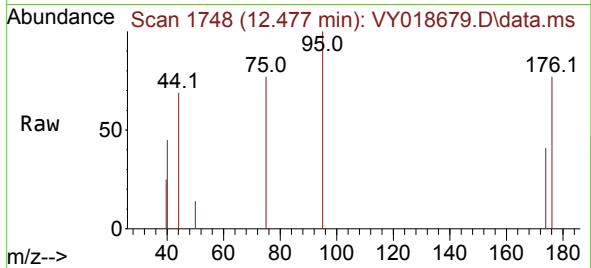
Tgt Ion:152 Resp: 445  
Ion Ratio Lower Upper  
152 100  
115 32.6 28.2 84.7  
150 90.8 0.0 345.6



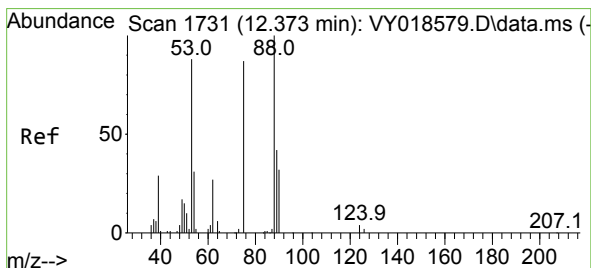
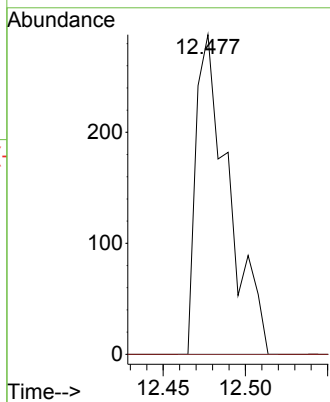
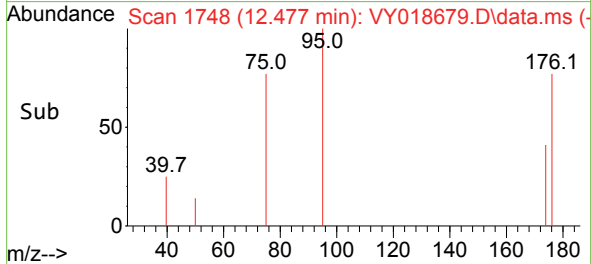


#76  
1,2,3-Trichloropropane  
Concen: 95.106 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.152 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54

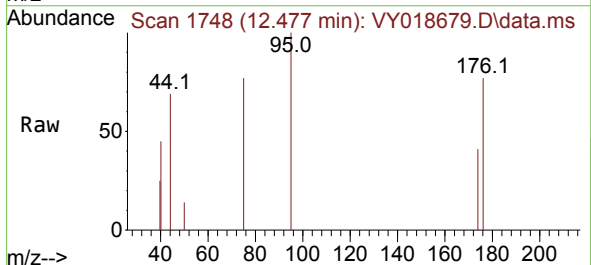
Instrument :  
MSVOA\_Y  
ClientSampleId :



Tgt Ion: 75 Resp: 397  
Ion Ratio Lower Upper  
75 100  
77 0.0 0.0 0.0



#81  
trans-1,4-Dichloro-2-butene  
Concen: 249.118 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.104 min  
Lab File: VY018679.D  
Acq: 24 Jun 2024 16:54



Tgt Ion: 75 Resp: 397  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.0 35.8 53.6#

