

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011024\  
 Data File : VY016969.D  
 Acq On : 10 Jan 2024 13:40  
 Operator : SY/MD  
 Sample : P1085-05RE  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Jan 11 00:11:52 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 02 14:25:32 2024  
 Response via : Initial Calibration

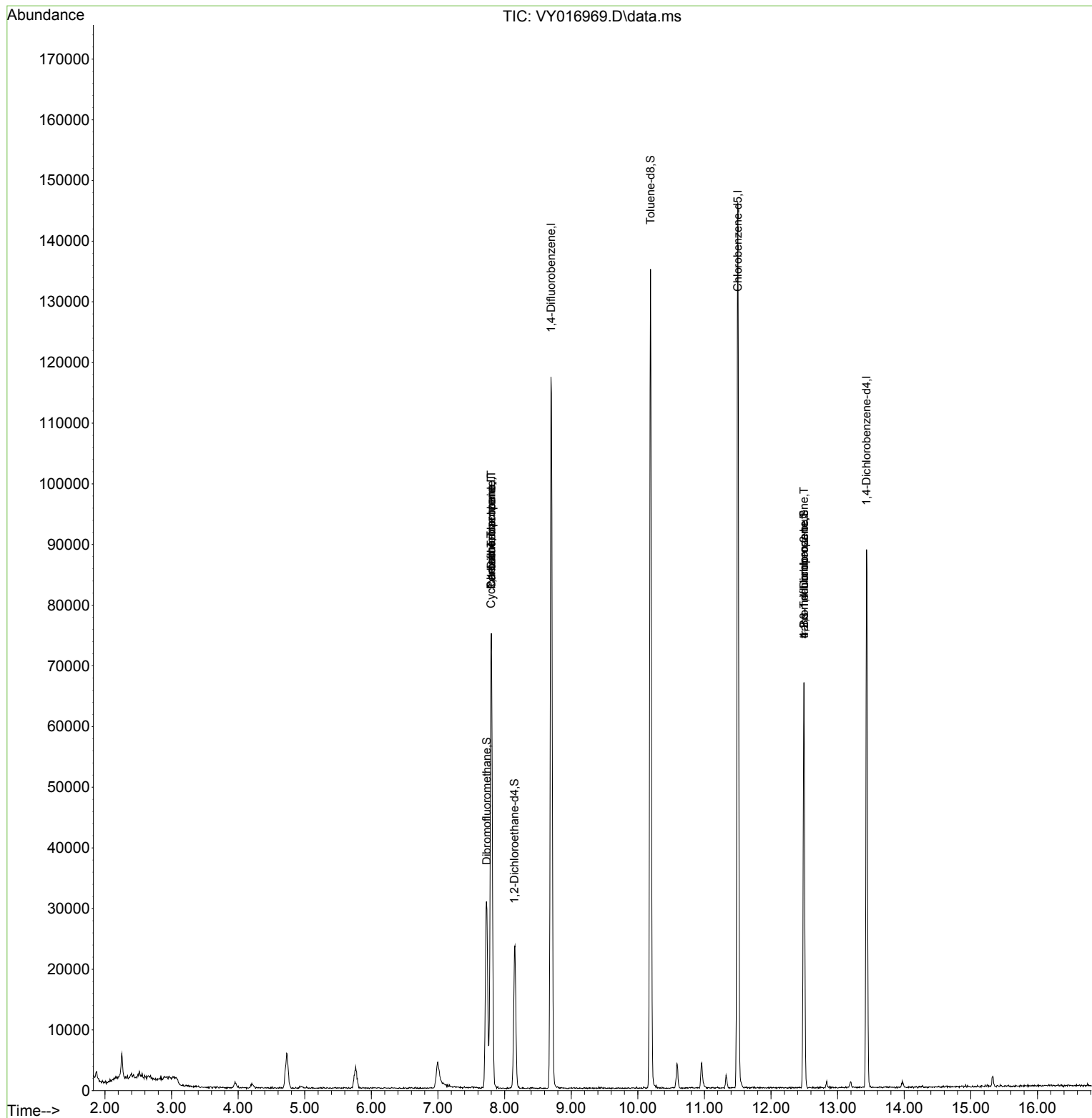
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.801  | 168   | 57952    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697  | 114   | 101835   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.501 | 117   | 79487    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.434 | 152   | 22619    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.148  | 65    | 18054    | 31.520    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 63.040%  |
| 35) Dibromofluoromethane      | 7.734  | 113   | 22851    | 35.213    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 70.420%  |
| 50) Toluene-d8                | 10.191 | 98    | 87796    | 39.289    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 78.580%  |
| 62) 4-Bromofluorobenzene      | 12.495 | 95    | 19470    | 25.825    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 30 - 143 | Recovery  | =      | 51.640%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.972  | 59    | 265      | Below Cal | #      | 75       |
| 16) Acetone                   | 3.954  | 43    | 1758     | Below Cal |        | 97       |
| 20) Methylene Chloride        | 4.734  | 84    | 4328     | Below Cal | #      | 94       |
| 25) 2-Butanone                | 6.978  | 43    | 116      | Below Cal | #      | 48       |
| 31) Cyclohexane               | 7.795  | 56    | 1196     | 1.217     | ug/l # | 17       |
| 36) 1,1-Dichloropropene       | 7.801  | 75    | 5272     | 5.575     | ug/l # | 48       |
| 38) Carbon Tetrachloride      | 7.801  | 117   | 5843     | 6.081     | ug/l # | 17       |
| 76) 1,2,3-Trichloropropane    | 12.495 | 75    | 10523    | 42.871    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.495 | 75    | 10523    | 97.349    | ug/l # | 12       |
| -----                         |        |       |          |           |        |          |

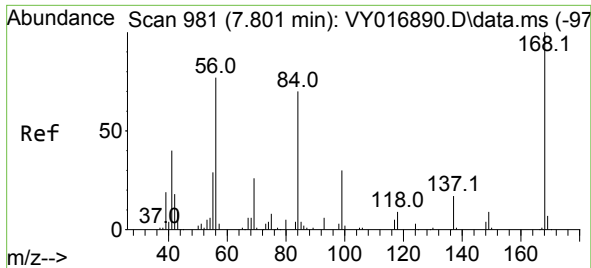
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011024\  
Data File : VY016969.D  
Acq On : 10 Jan 2024 13:40  
Operator : SY/MD  
Sample : P1085-05RE  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL/B  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Jan 11 00:11:52 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y010224S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 02 14:25:32 2024  
Response via : Initial Calibration

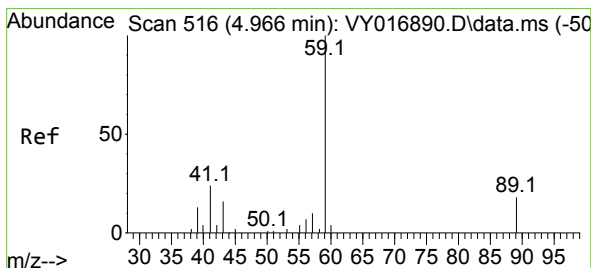
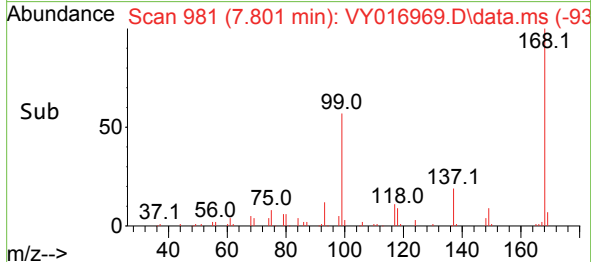
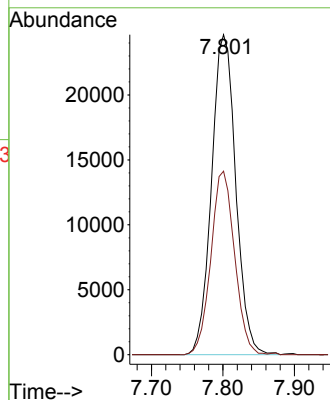
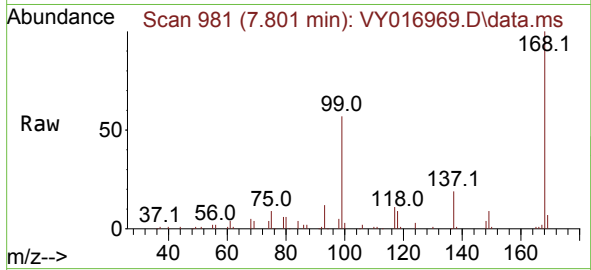




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY016969.D  
Acq: 10 Jan 2024 13:40

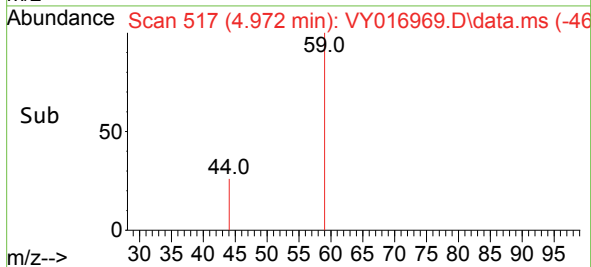
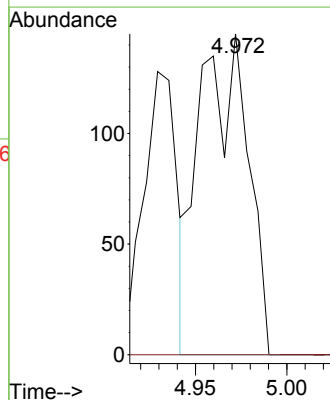
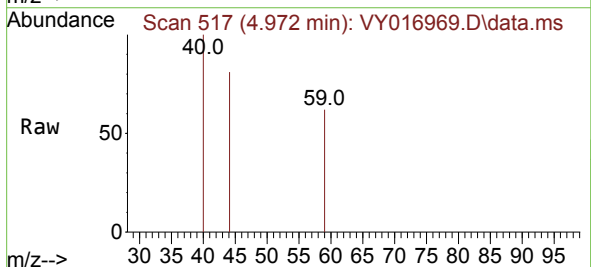
Instrument :  
MSVOA\_Y  
ClientSampleId :

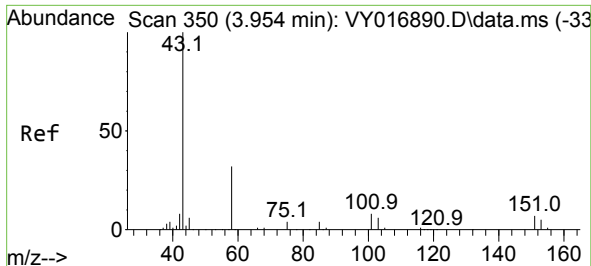
Tgt Ion:168 Resp: 57952  
Ion Ratio Lower Upper  
168 100  
99 57.3 44.2 66.4



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.972 min Scan# 517  
Delta R.T. 0.006 min  
Lab File: VY016969.D  
Acq: 10 Jan 2024 13:40

Tgt Ion: 59 Resp: 265  
Ion Ratio Lower Upper  
59 100  
57 0.0 7.4 11.0#





#16

Acetone

Concen: Below Cal

RT: 3.954 min Scan# 316

Delta R.T. -0.006 min

Lab File: VY016969.D

Acq: 10 Jan 2024 13:40

Instrument :

MSVOA\_Y

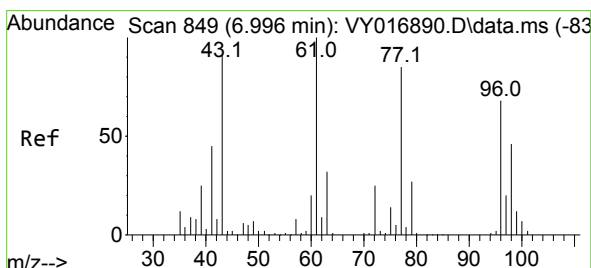
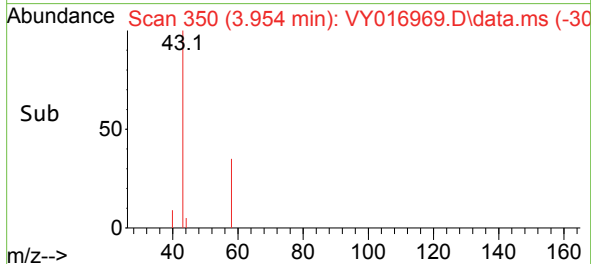
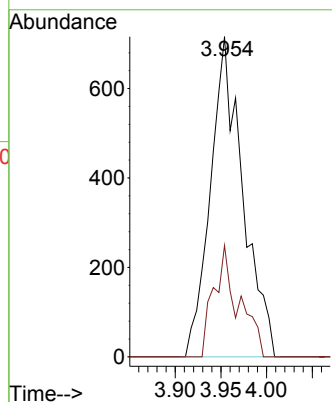
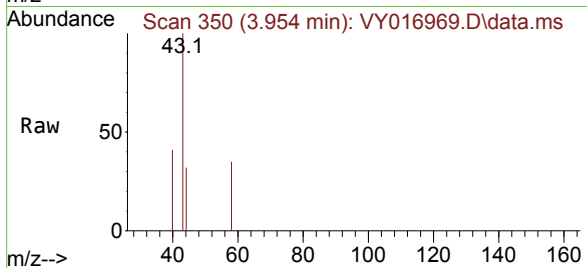
ClientSampleId :

Tgt Ion: 43 Resp: 1758

Ion Ratio Lower Upper

43 100

58 34.8 26.6 39.8



#25

2-Butanone

Concen: Below Cal

RT: 6.978 min Scan# 846

Delta R.T. -0.018 min

Lab File: VY016969.D

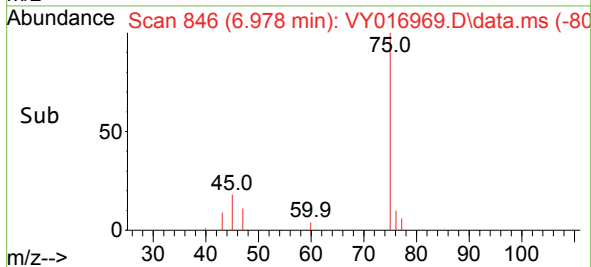
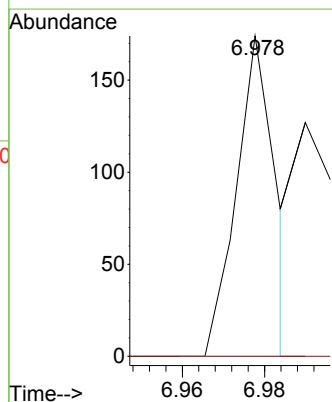
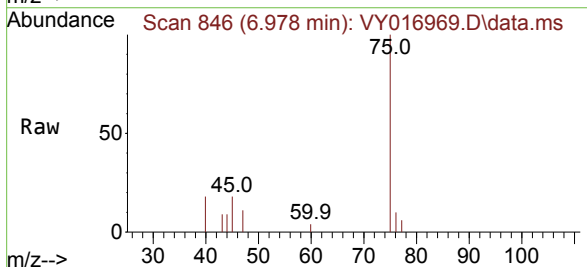
Acq: 10 Jan 2024 13:40

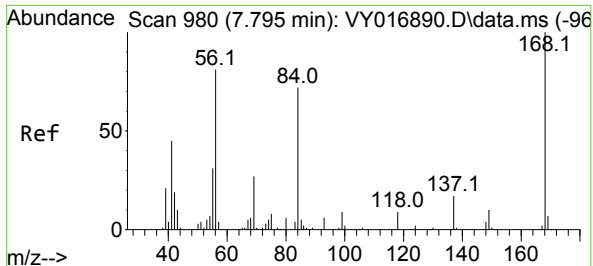
Tgt Ion: 43 Resp: 116

Ion Ratio Lower Upper

43 100

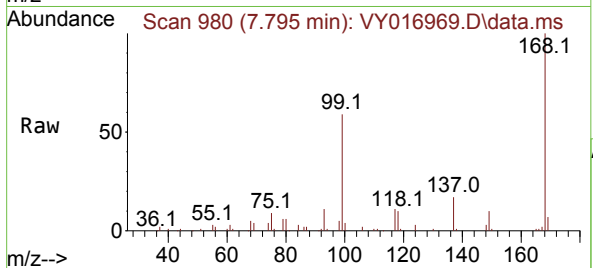
72 0.0 21.4 32.2#



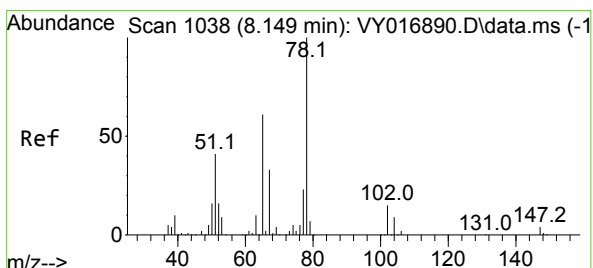
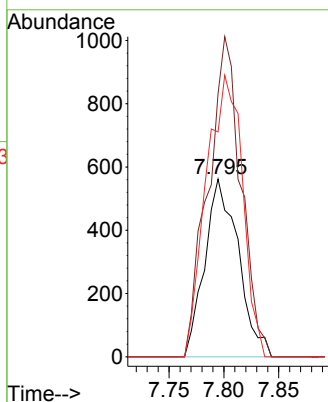
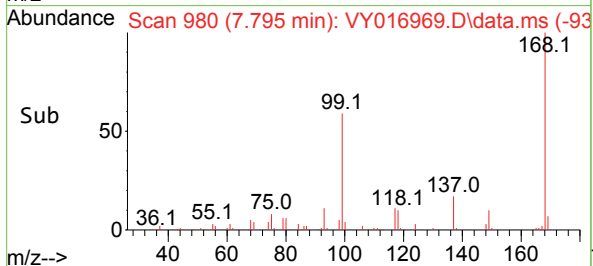


#31  
Cyclohexane  
Concen: 1.217 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY016969.D  
Acq: 10 Jan 2024 13:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

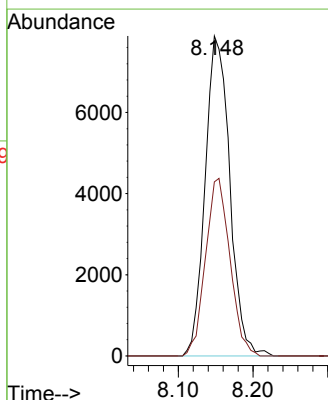
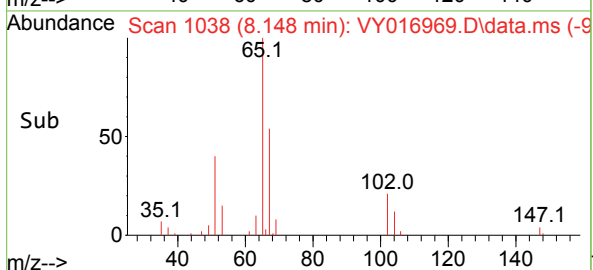
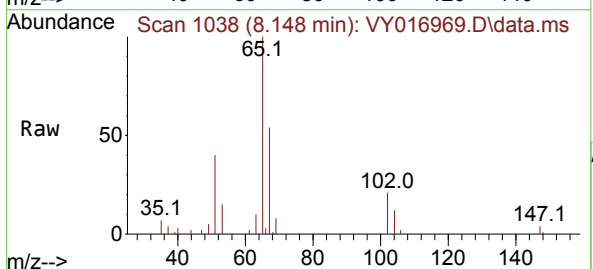


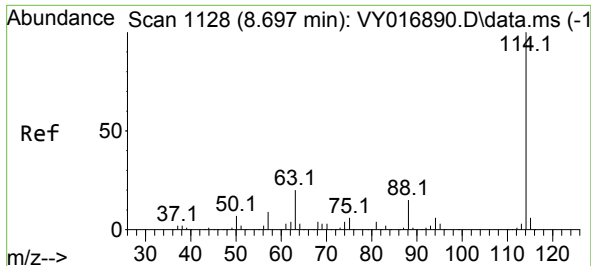
Tgt Ion: 56 Resp: 1196  
Ion Ratio Lower Upper  
56 100  
69 147.9 27.0 40.6#  
84 126.5 71.8 107.6#



#33  
1,2-Dichloroethane-d4  
Concen: 31.520 ug/l  
RT: 8.148 min Scan# 1038  
Delta R.T. -0.007 min  
Lab File: VY016969.D  
Acq: 10 Jan 2024 13:40

Tgt Ion: 65 Resp: 18054  
Ion Ratio Lower Upper  
65 100  
67 55.1 0.0 109.0

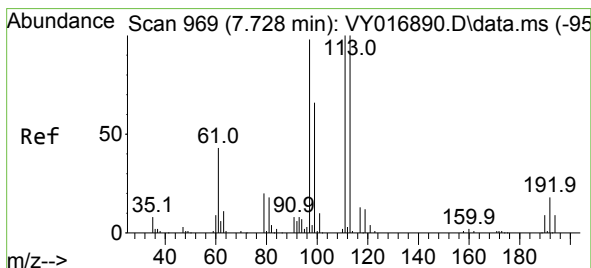
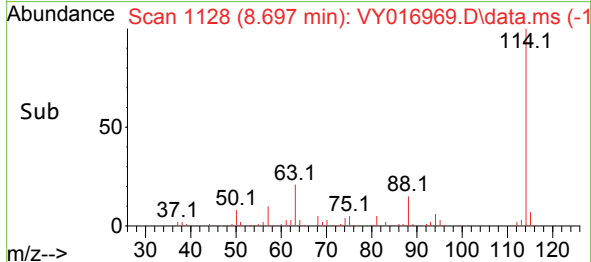
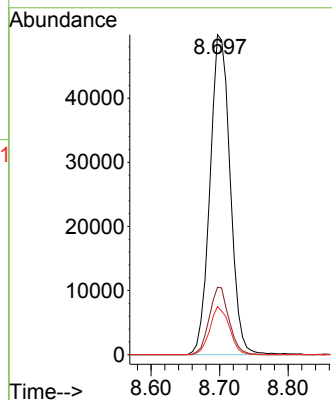
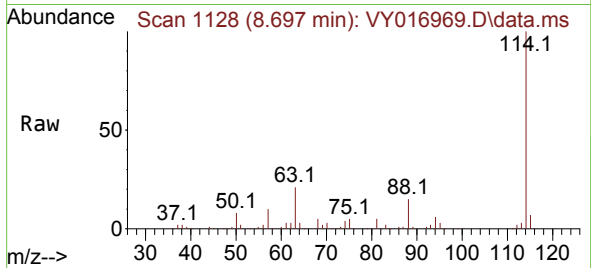




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.006 min  
Lab File: VY016969.D  
Acq: 10 Jan 2024 13:40

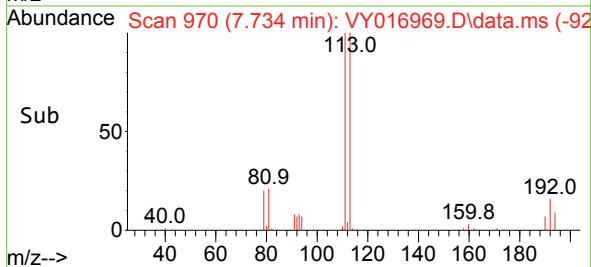
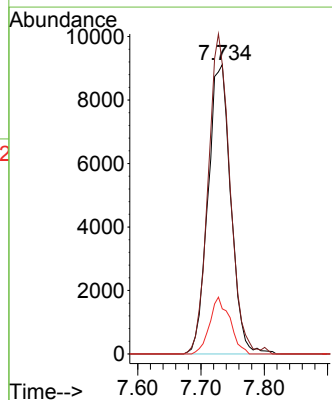
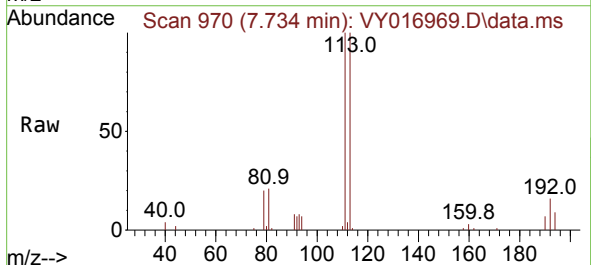
Instrument :  
MSVOA\_Y  
ClientSampleId :

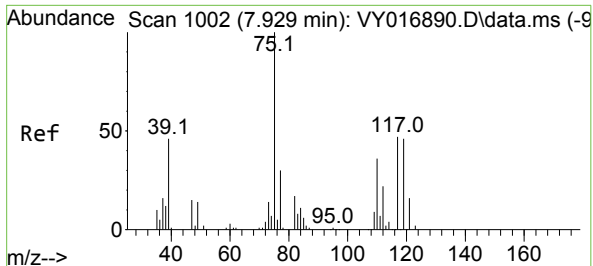
Tgt Ion:114 Resp: 101835  
Ion Ratio Lower Upper  
114 100  
63 21.0 0.0 37.4  
88 15.0 0.0 29.0



#35  
Dibromofluoromethane  
Concen: 35.213 ug/l  
RT: 7.734 min Scan# 970  
Delta R.T. 0.006 min  
Lab File: VY016969.D  
Acq: 10 Jan 2024 13:40

Tgt Ion:113 Resp: 22851  
Ion Ratio Lower Upper  
113 100  
111 106.0 83.8 125.6  
192 17.5 14.5 21.7





#36

1,1-Dichloropropene

Concen: 5.575 ug/l

RT: 7.801 min Scan# 981

Delta R.T. -0.128 min

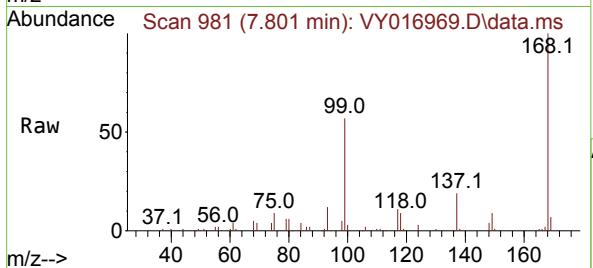
Lab File: VY016969.D

Acq: 10 Jan 2024 13:40

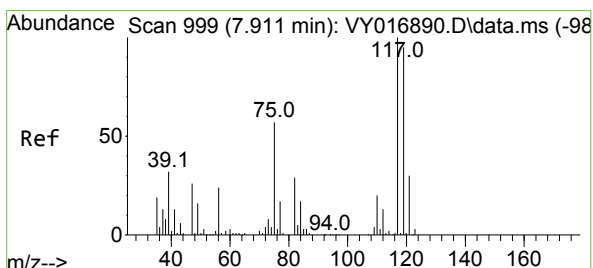
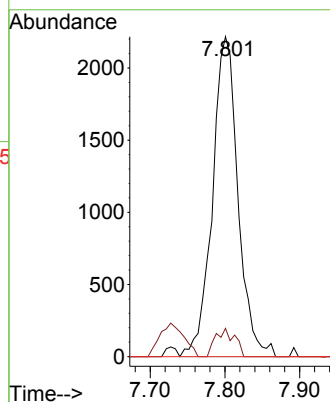
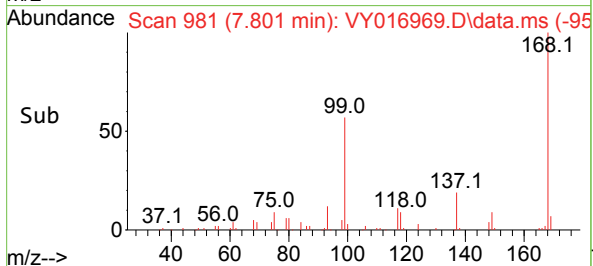
Instrument :

MSVOA\_Y

ClientSampleId :



|             |                |
|-------------|----------------|
| Tgt Ion: 75 | Resp: 5272     |
| Ion Ratio   | Lower Upper    |
| 75          | 100            |
| 110         | 6.6 17.4 52.3# |
| 77          | 0.0 24.7 37.1# |



#38

Carbon Tetrachloride

Concen: 6.081 ug/l

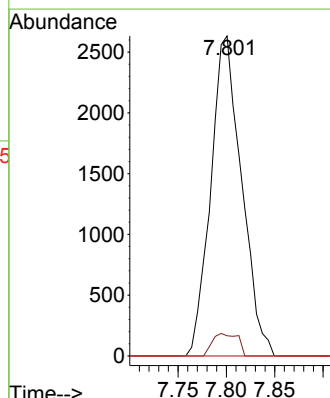
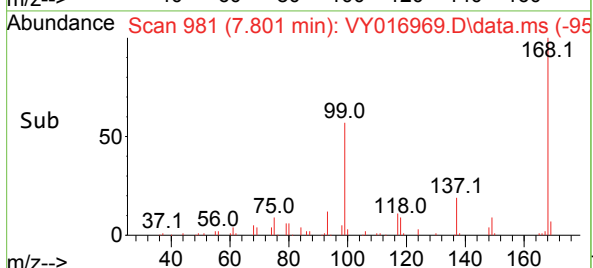
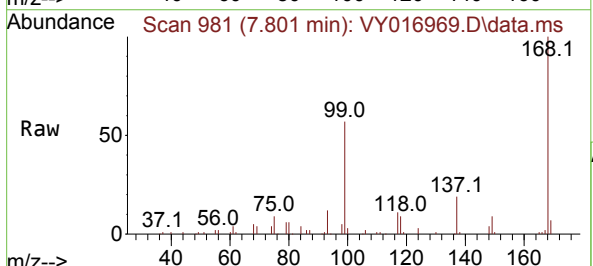
RT: 7.801 min Scan# 981

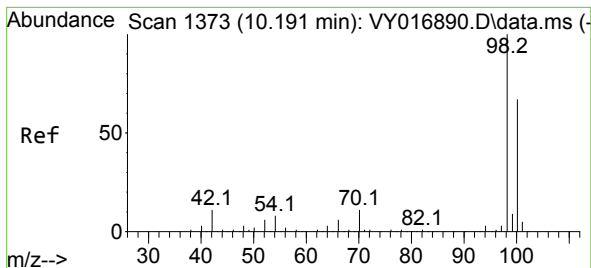
Delta R.T. -0.116 min

Lab File: VY016969.D

Acq: 10 Jan 2024 13:40

|              |                 |
|--------------|-----------------|
| Tgt Ion: 117 | Resp: 5843      |
| Ion Ratio    | Lower Upper     |
| 117          | 100             |
| 119          | 6.3 76.0 114.0# |
| 121          | 0.0 24.2 36.2#  |





#50

Toluene-d8

Concen: 39.289 ug/l

RT: 10.191 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY016969.D

Acq: 10 Jan 2024 13:40

Instrument :

MSVOA\_Y

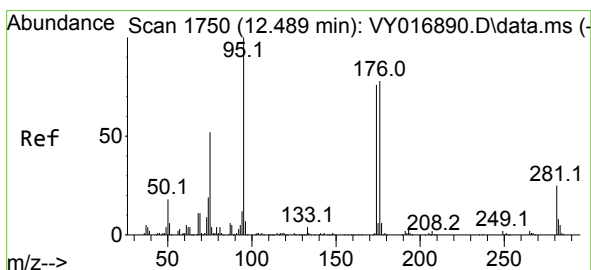
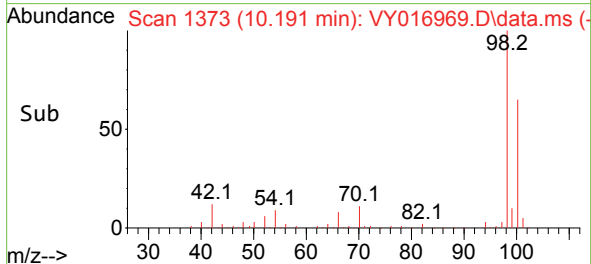
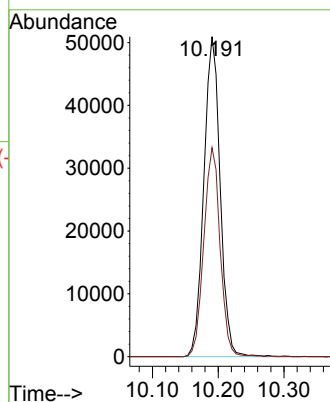
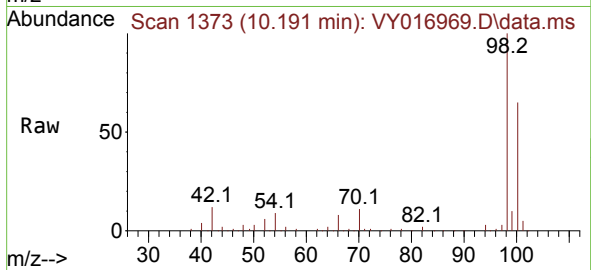
ClientSampleId :

Tgt Ion: 98 Resp: 87796

Ion Ratio Lower Upper

98 100

100 65.3 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 25.825 ug/l

RT: 12.495 min Scan# 1751

Delta R.T. 0.006 min

Lab File: VY016969.D

Acq: 10 Jan 2024 13:40

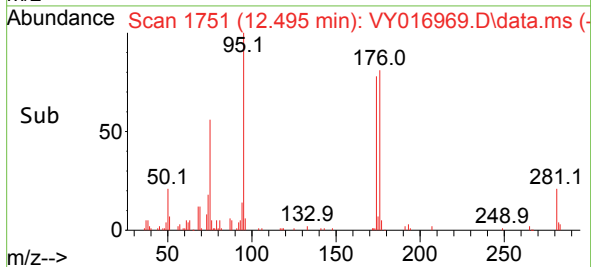
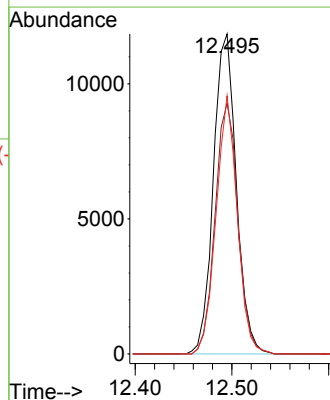
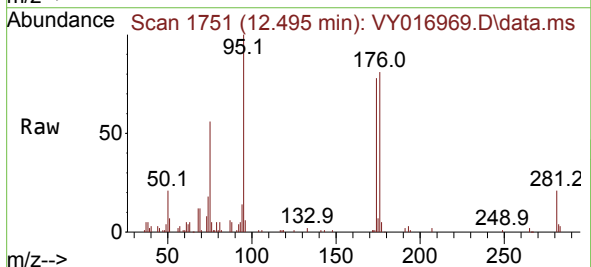
Tgt Ion: 95 Resp: 19470

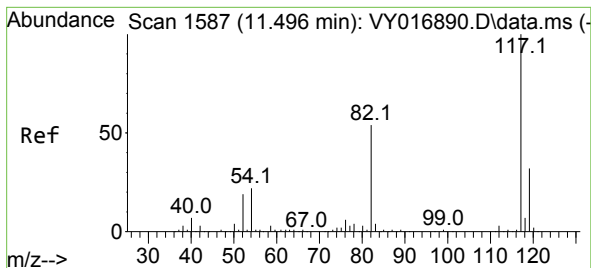
Ion Ratio Lower Upper

95 100

174 78.3 0.0 160.0

176 74.7 0.0 151.8

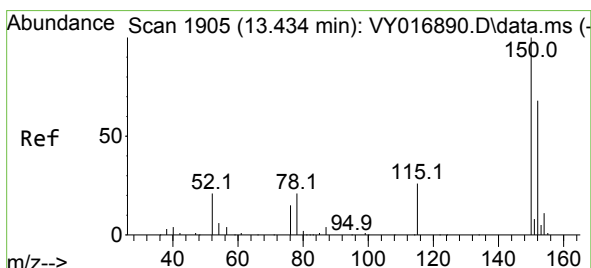
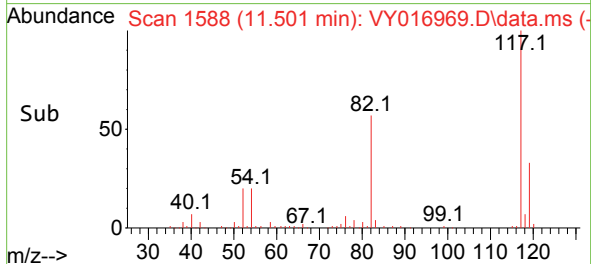
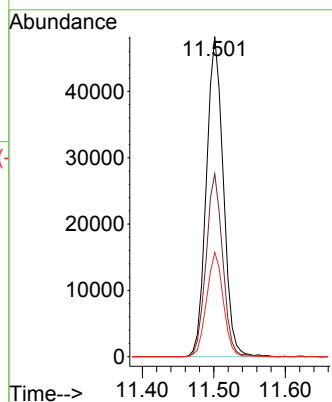
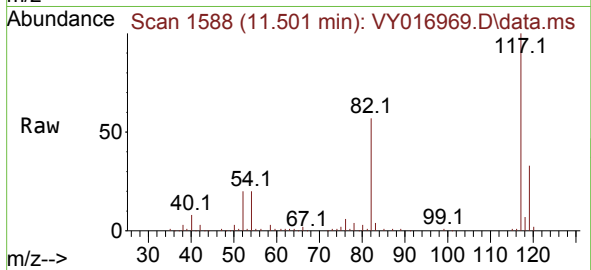




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.501 min Scan# 11  
Delta R.T. -0.001 min  
Lab File: VY016969.D  
Acq: 10 Jan 2024 13:40

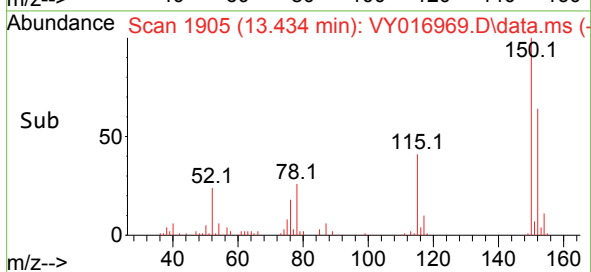
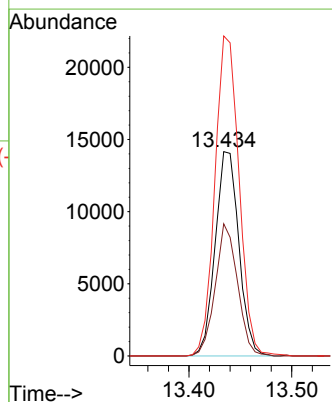
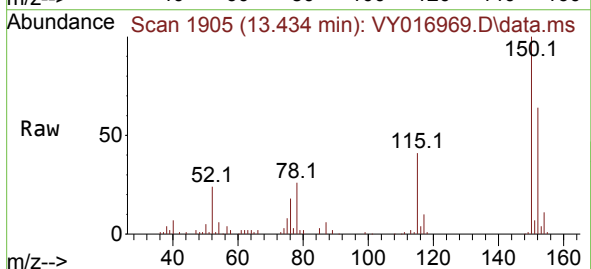
Instrument :  
MSVOA\_Y  
ClientSampleId :

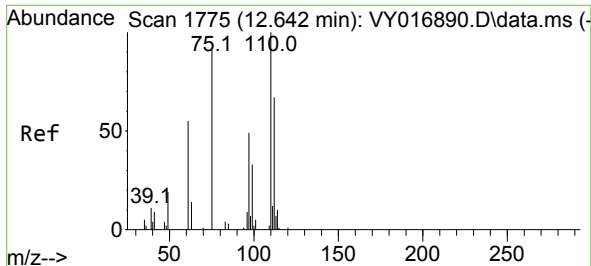
Tgt Ion:117 Resp: 79487  
Ion Ratio Lower Upper  
117 100  
82 57.1 43.8 65.8  
119 32.6 26.5 39.7



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.434 min Scan# 1905  
Delta R.T. -0.000 min  
Lab File: VY016969.D  
Acq: 10 Jan 2024 13:40

Tgt Ion:152 Resp: 22619  
Ion Ratio Lower Upper  
152 100  
115 61.0 30.0 90.0  
150 159.6 0.0 344.6

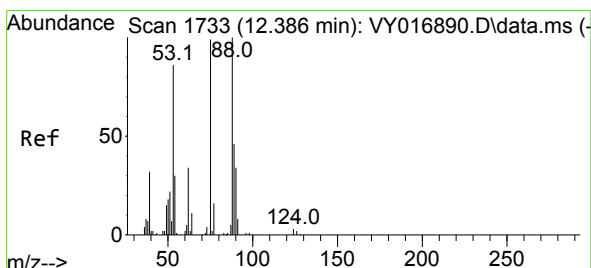
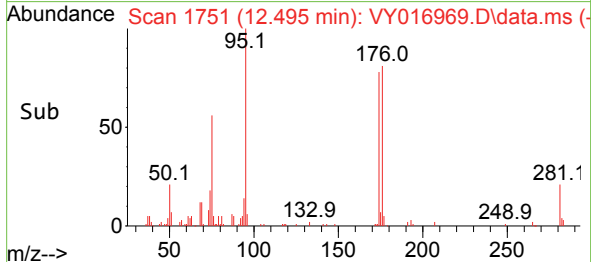
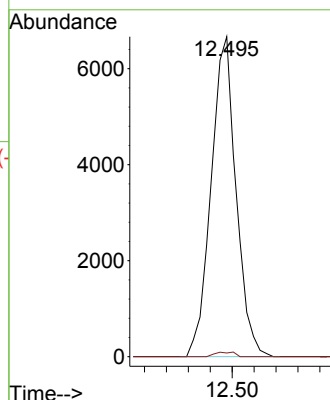
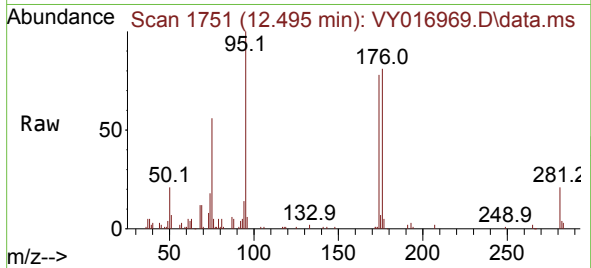




#76  
1,2,3-Trichloropropane  
Concen: 42.871 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. -0.147 min  
Lab File: VY016969.D  
Acq: 10 Jan 2024 13:40

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 10523  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 97.349 ug/l  
RT: 12.495 min Scan# 1751  
Delta R.T. 0.110 min  
Lab File: VY016969.D  
Acq: 10 Jan 2024 13:40

Tgt Ion: 75 Resp: 10523  
Ion Ratio Lower Upper  
75 100  
53 0.0 74.0 111.0#  
89 0.0 36.5 54.7#

