

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042222\  
 Data File : VY008467.D  
 Acq On : 22 Apr 2022 16:11  
 Operator : KP/MD  
 Sample : N2526-07  
 Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Apr 23 01:53:31 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Apr 21 14:28:40 2022  
 Response via : Initial Calibration

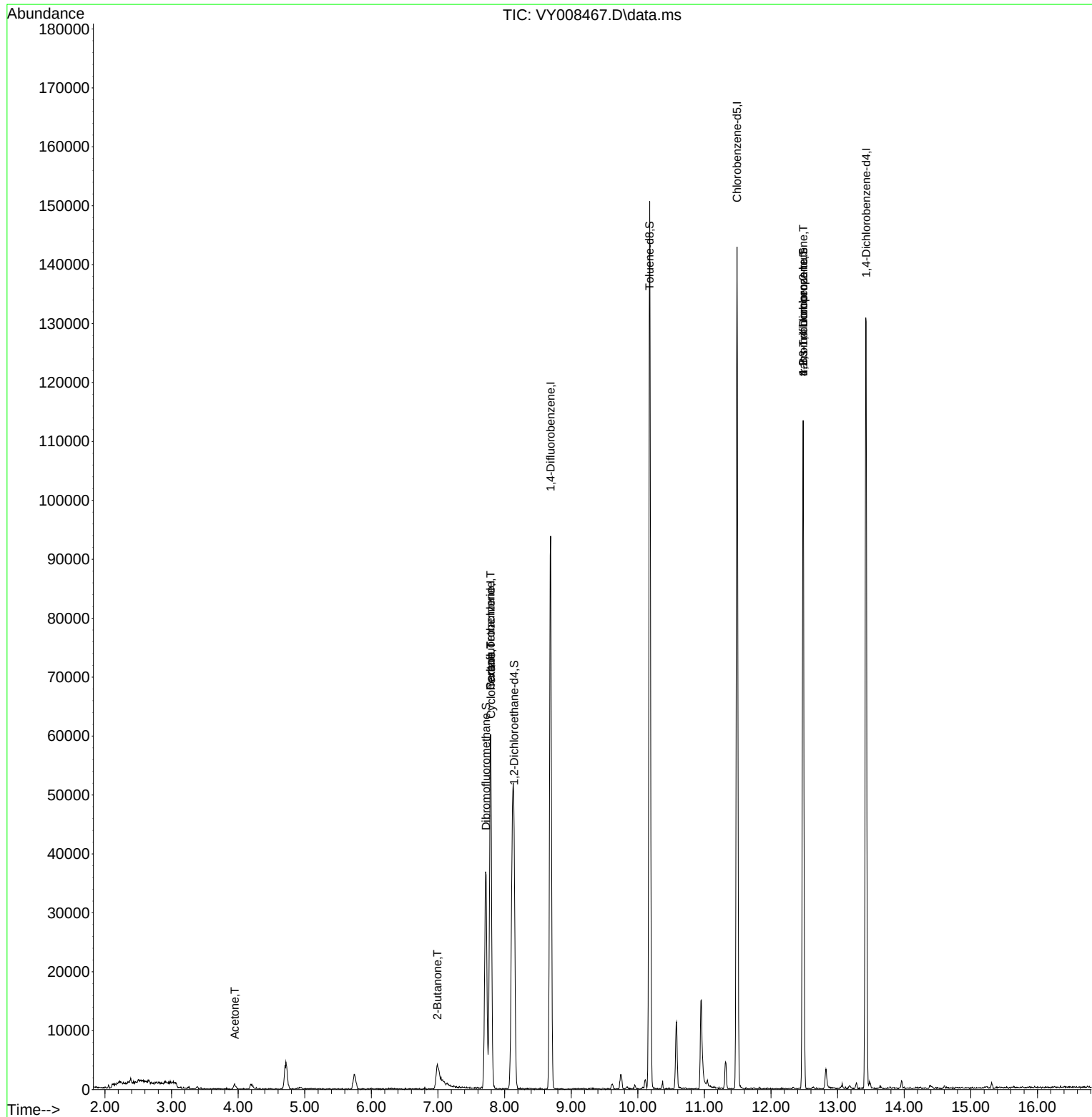
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.789  | 168   | 46690    | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.691  | 114   | 82598    | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.489 | 117   | 78355    | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428 | 152   | 34072    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.143  | 65    | 25494    | 46.406    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 92.820%  |
| 35) Dibromofluoromethane      | 7.722  | 113   | 25856    | 48.504    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 97.000%  |
| 50) Toluene-d8                | 10.179 | 98    | 100190   | 47.285    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 49 - 140 | Recovery  | =      | 94.580%  |
| 62) 4-Bromofluorobenzene      | 12.483 | 95    | 31280    | 43.577    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 25 - 144 | Recovery  | =      | 87.160%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 11) Tert butyl alcohol        | 4.960  | 59    | 100      | Below Cal | #      | 77       |
| 16) Acetone                   | 3.948  | 43    | 1408     | 11.004    | ug/l # | 84       |
| 20) Methylene Chloride        | 4.716  | 84    | 3430     | Below Cal | #      | 81       |
| 25) 2-Butanone                | 6.990  | 43    | 408      | 2.061     | ug/l # | 54       |
| 31) Cyclohexane               | 7.795  | 56    | 1029     | 1.139     | ug/l # | 28       |
| 38) Carbon Tetrachloride      | 7.789  | 117   | 4575     | 5.193     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.483 | 75    | 17625    | 39.971    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483 | 75    | 17625    | 92.728    | ug/l # | 7        |
| -----                         |        |       |          |           |        |          |

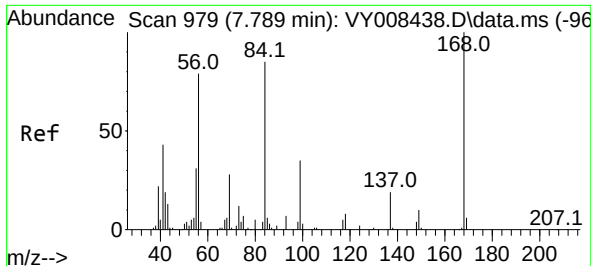
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY042222\  
Data File : VY008467.D  
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Sample : N2526-07  
Misc : 5.01g/5.0mL/MSVOA\_Y/SOIL  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :

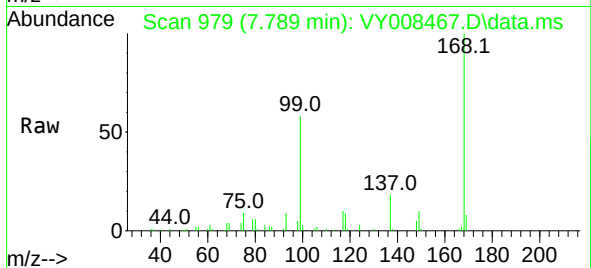
Quant Time: Apr 23 01:53:31 2022  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y042122S.M  
Quant Title : SW846 8260  
QLast Update : Thu Apr 21 14:28:40 2022  
Response via : Initial Calibration



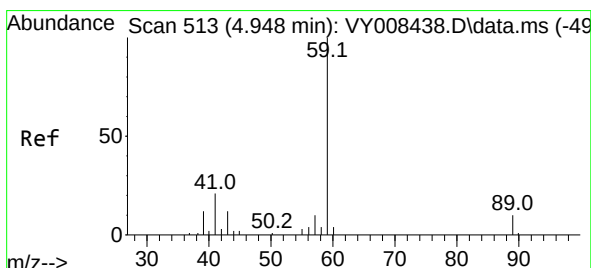
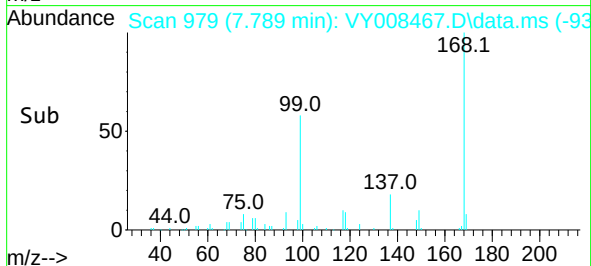
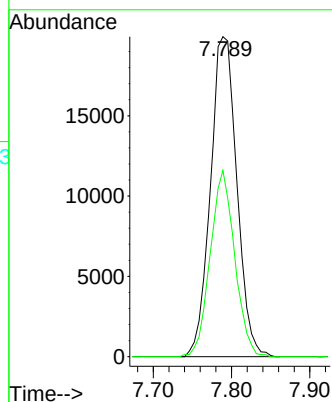


#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

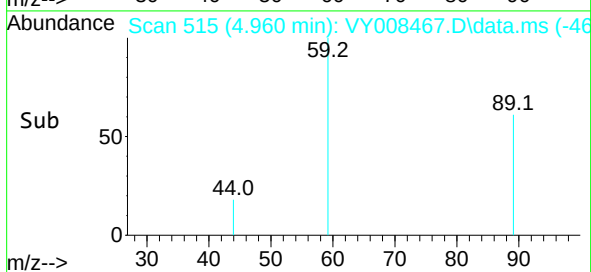
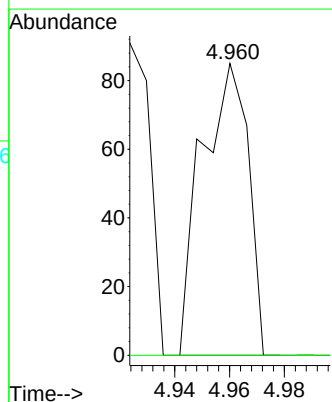
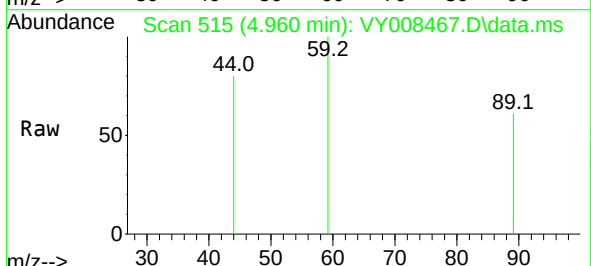


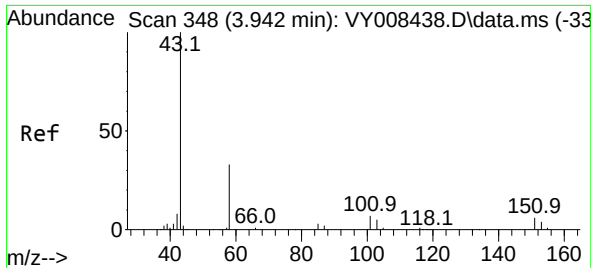
Tgt Ion:168 Resp: 46690  
Ion Ratio Lower Upper  
168 100  
99 58.2 46.9 70.3



#11  
Tert butyl alcohol  
Concen: Below Cal  
RT: 4.960 min Scan# 515  
Delta R.T. 0.012 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

Tgt Ion: 59 Resp: 100  
Ion Ratio Lower Upper  
59 100  
57 0.0 6.4 9.6#

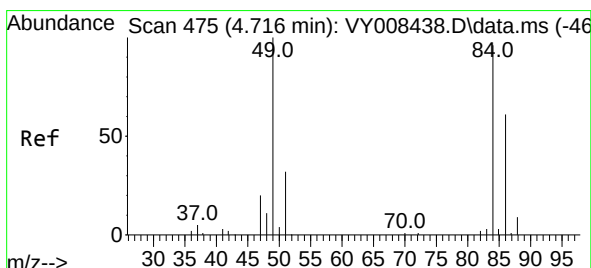
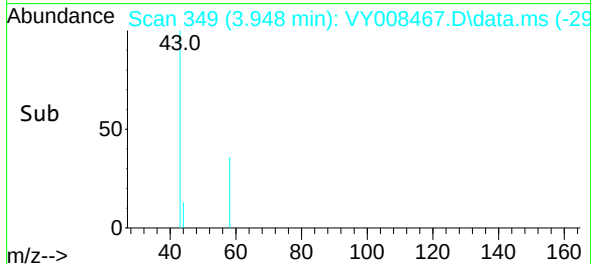
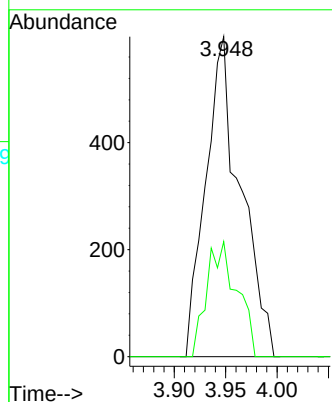
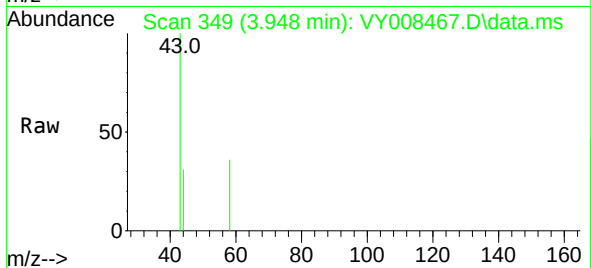




#16  
Acetone  
Concen: 11.004 ug/l  
RT: 3.948 min Scan# 348  
Delta R.T. 0.006 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

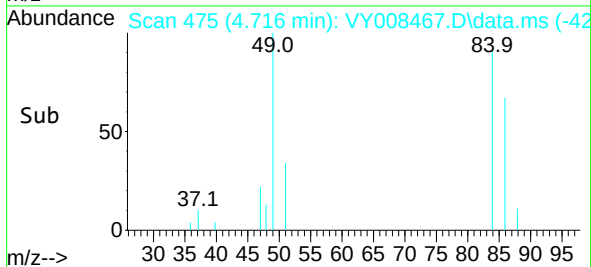
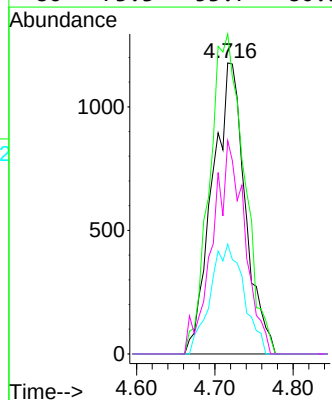
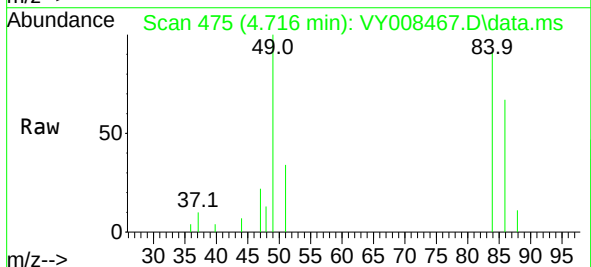
Instrument :  
MSVOA\_Y  
ClientSampleId :

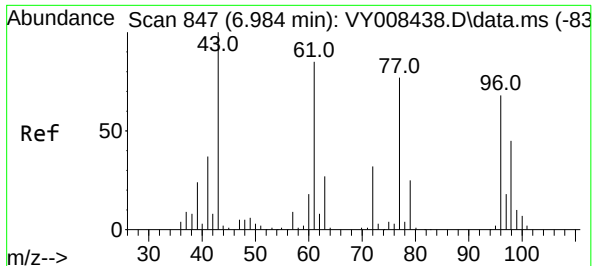
Tgt Ion: 43 Resp: 1408  
Ion Ratio Lower Upper  
43 100  
58 36.0 22.0 33.0#



#20  
Methylene Chloride  
Concen: Below Cal  
RT: 4.716 min Scan# 475  
Delta R.T. 0.000 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

Tgt Ion: 84 Resp: 3430  
Ion Ratio Lower Upper  
84 100  
49 109.9 114.4 171.6#  
51 37.7 35.3 52.9  
86 73.3 53.7 80.5





#25

2-Butanone

Concen: 2.061 ug/l

RT: 6.990 min Scan# 84

Delta R.T. 0.006 min

Lab File: VY008467.D

Acq: 22 Apr 2022 16:11

Instrument :

MSVOA\_Y

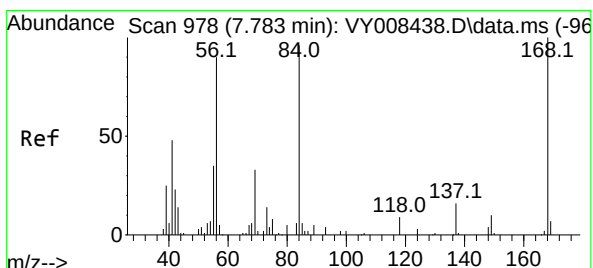
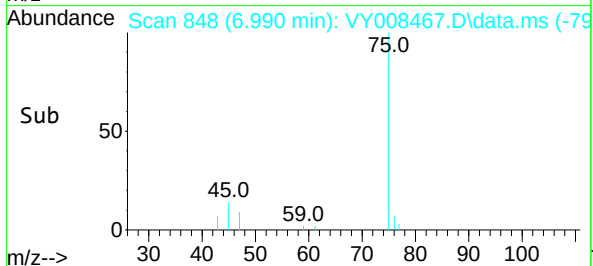
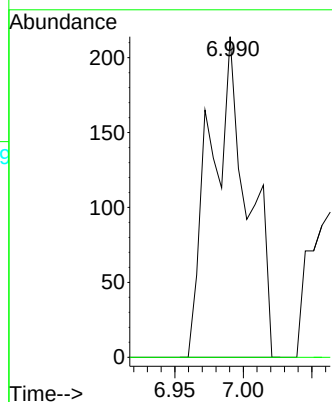
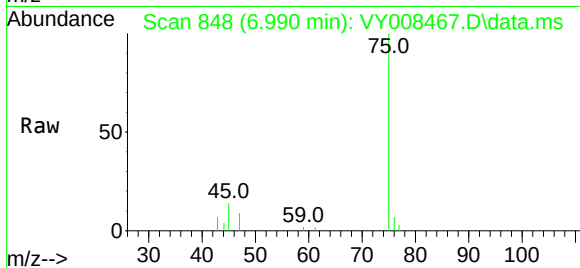
ClientSampleId :

Tgt Ion: 43 Resp: 408

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.139 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.012 min

Lab File: VY008467.D

Acq: 22 Apr 2022 16:11

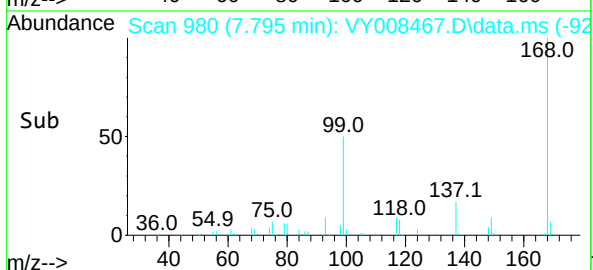
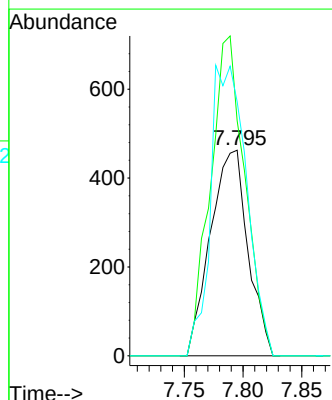
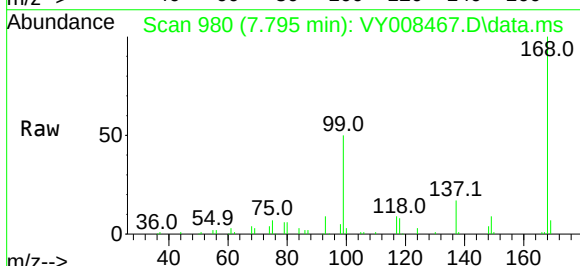
Tgt Ion: 56 Resp: 1029

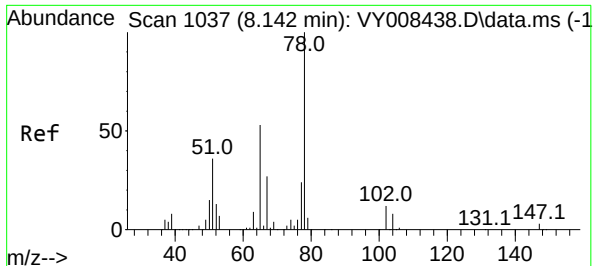
Ion Ratio Lower Upper

56 100

69 114.3 26.7 40.1#

84 123.5 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 46.406 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.001 min

Lab File: VY008467.D

Acq: 22 Apr 2022 16:11

Instrument :

MSVOA\_Y

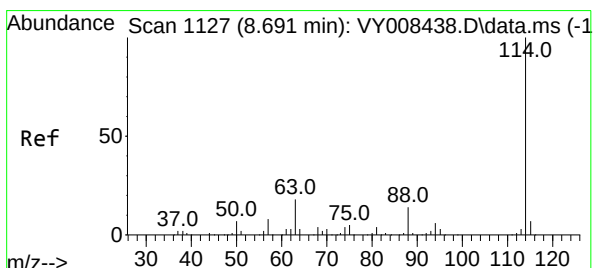
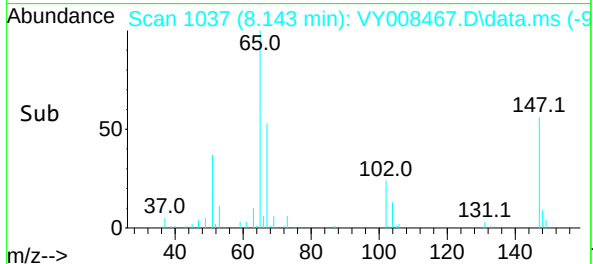
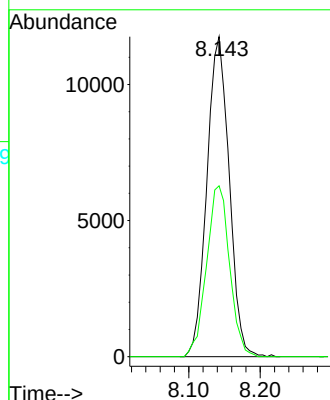
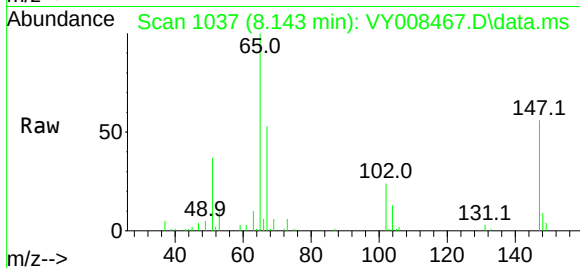
ClientSampleId :

Tgt Ion: 65 Resp: 25494

Ion Ratio Lower Upper

65 100

67 55.1 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY008467.D

Acq: 22 Apr 2022 16:11

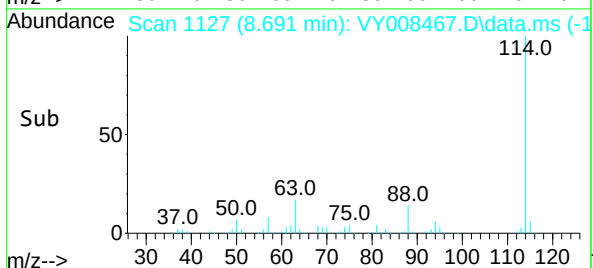
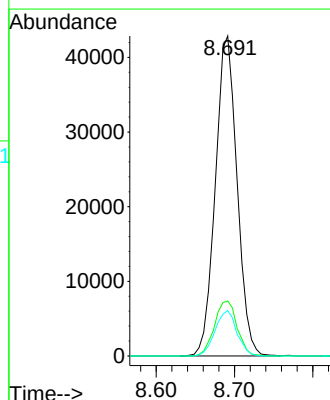
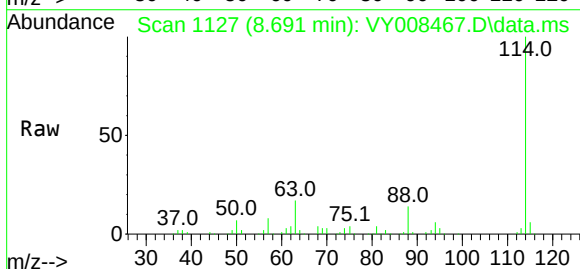
Tgt Ion:114 Resp: 82598

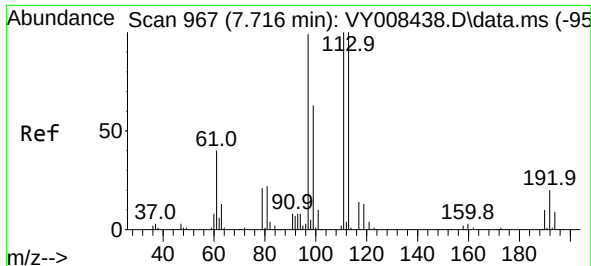
Ion Ratio Lower Upper

114 100

63 17.2 0.0 43.2

88 14.2 0.0 31.8





#35

Dibromofluoromethane

Concen: 48.504 ug/l

RT: 7.722 min Scan# 9

Delta R.T. 0.006 min

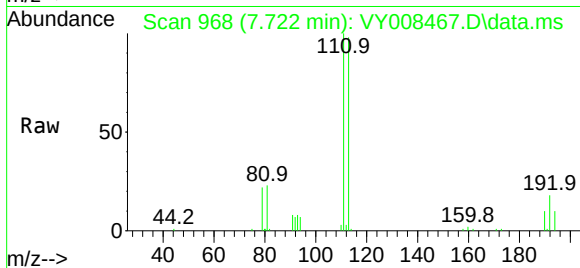
Lab File: VY008467.D

Acq: 22 Apr 2022 16:11

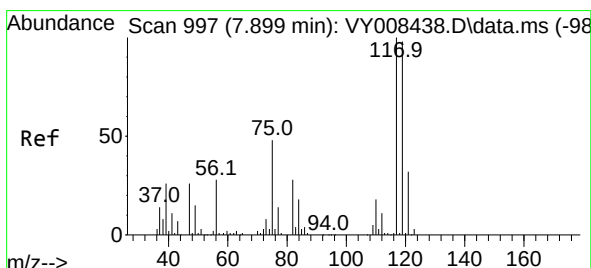
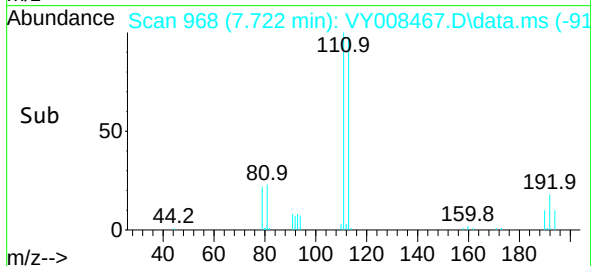
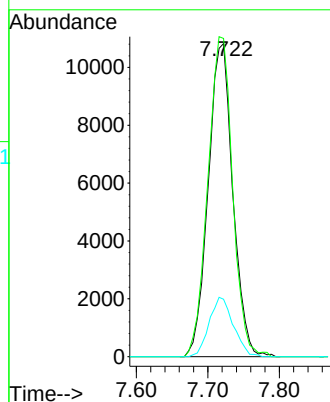
Instrument :

MSVOA\_Y

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 25856 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.7 | 82.6  | 124.0 |
| 192      | 18.7  | 17.6  | 26.4  |



#38

Carbon Tetrachloride

Concen: 5.193 ug/l

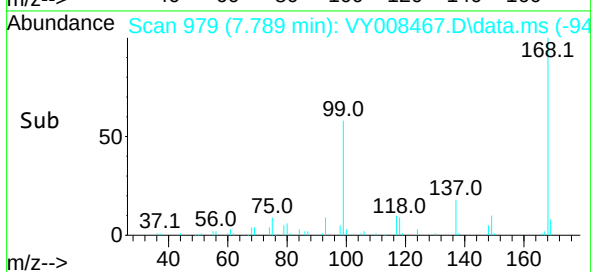
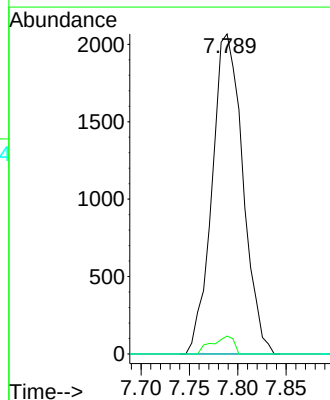
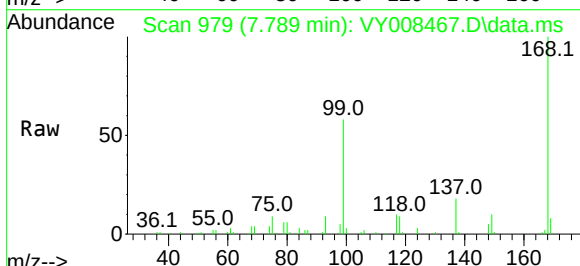
RT: 7.789 min Scan# 979

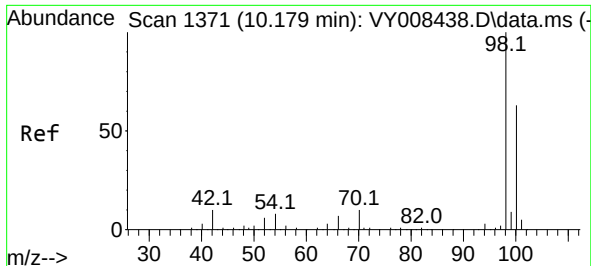
Delta R.T. -0.110 min

Lab File: VY008467.D

Acq: 22 Apr 2022 16:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 4575   |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 119      | 5.6   | 77.9  | 116.9# |
| 121      | 0.0   | 24.8  | 37.2#  |

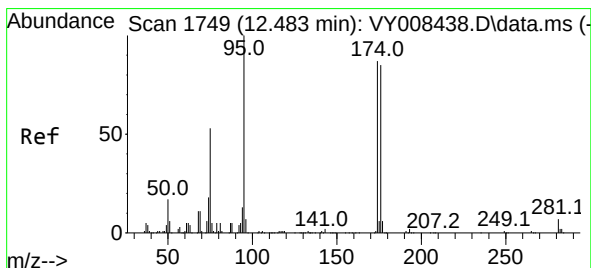
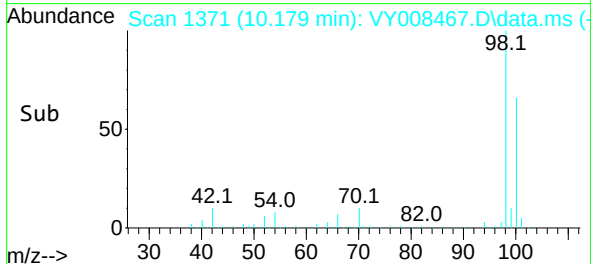
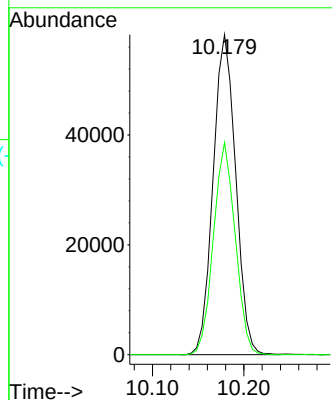
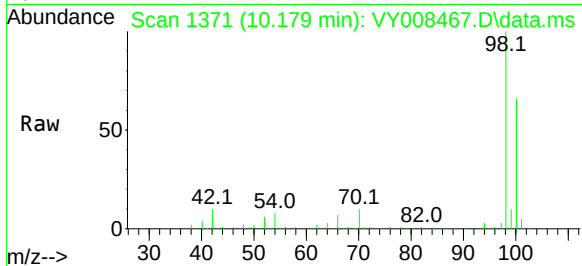




#50  
Toluene-d8  
Concen: 47.285 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

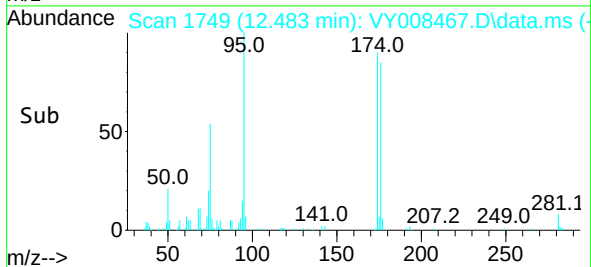
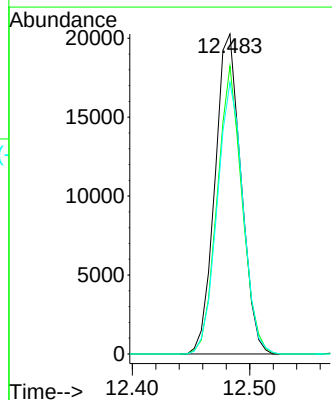
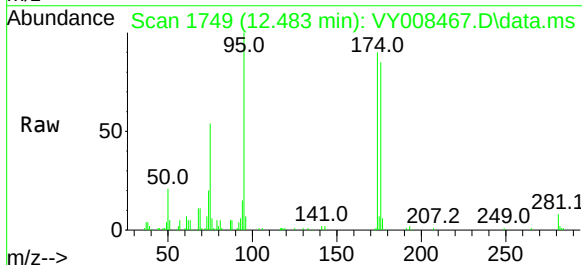
Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 98 Resp: 100190  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.2 75.2

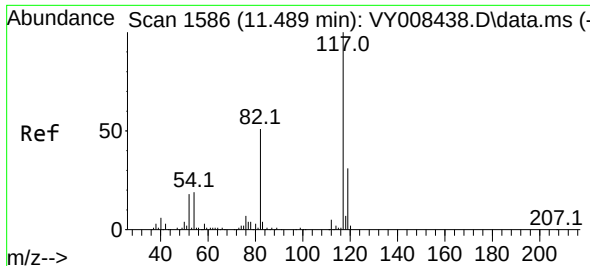


#62  
4-Bromofluorobenzene  
Concen: 43.577 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

Tgt Ion: 95 Resp: 31280  
Ion Ratio Lower Upper  
95 100  
174 85.7 0.0 177.0  
176 84.3 0.0 175.8

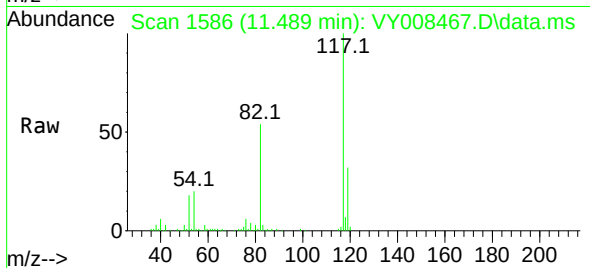




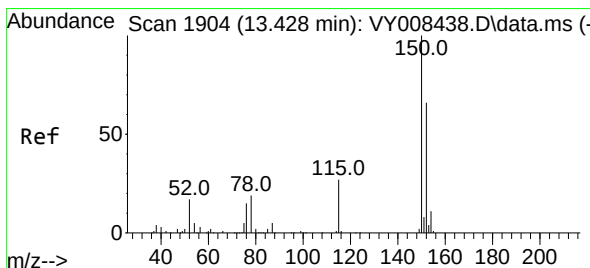
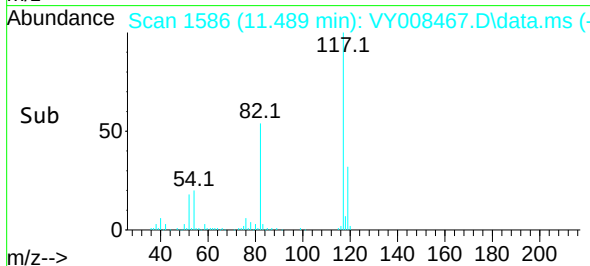
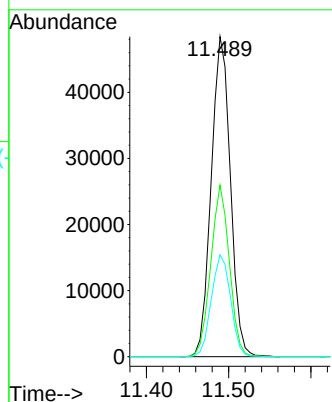


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

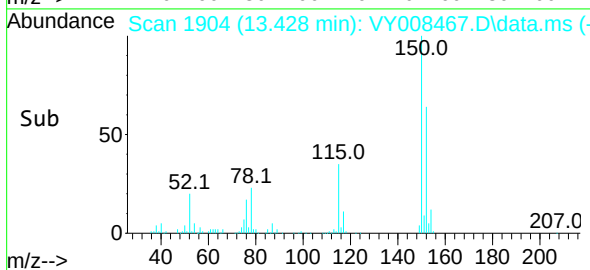
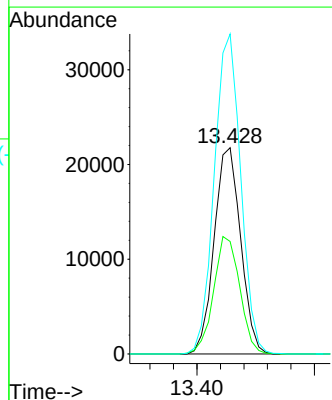
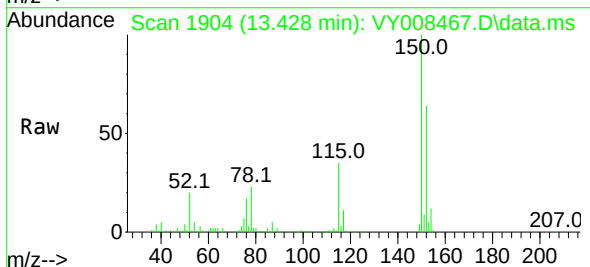


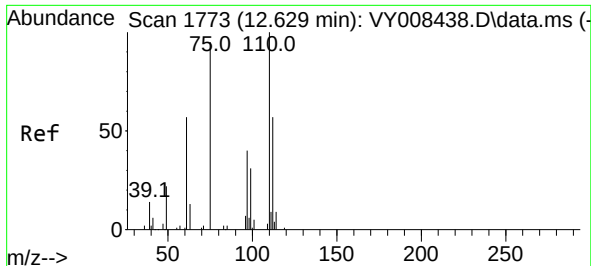
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 117     | 100   |       |       |
| 82      | 53.6  | 43.0  | 64.4  |
| 119     | 31.9  | 25.4  | 38.0  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 152     | 100   |       |       |
| 115     | 56.3  | 28.2  | 84.7  |
| 150     | 154.7 | 0.0   | 347.6 |

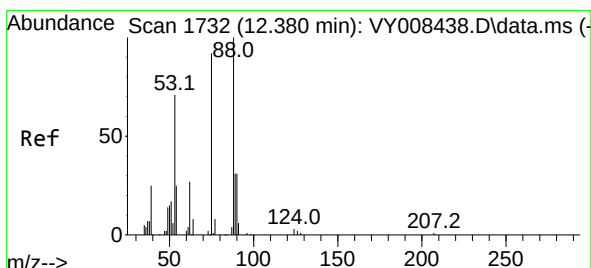
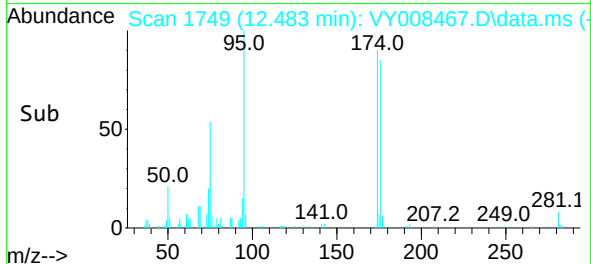
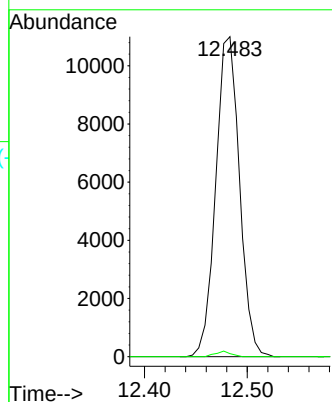
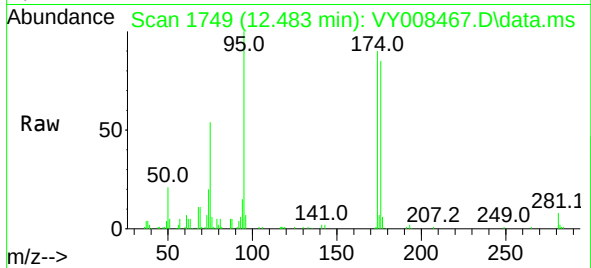




#76  
1,2,3-Trichloropropane  
Concen: 39.971 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.146 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 17625  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 92.728 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY008467.D  
Acq: 22 Apr 2022 16:11

Tgt Ion: 75 Resp: 17625  
Ion Ratio Lower Upper  
75 100  
53 0.0 85.3 127.9#  
89 0.0 37.0 55.4#

