

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110124\  
 Data File : VY020114.D  
 Acq On : 01 Nov 2024 11:59  
 Operator : SY/MD  
 Sample : P4611-04  
 Misc : 3.80g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 01 16:02:59 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Oct 31 15:23:13 2024  
 Response via : Initial Calibration

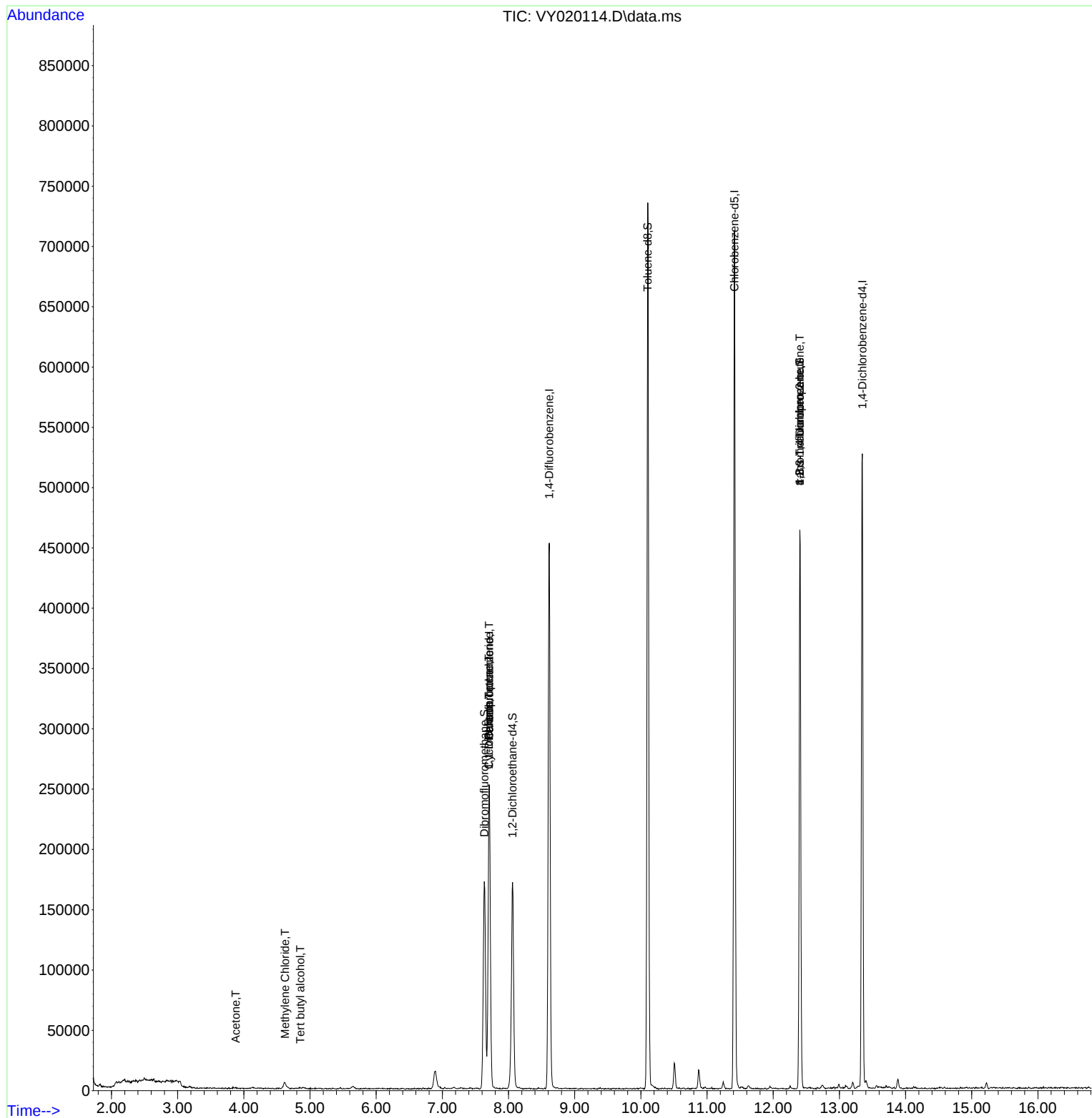
| Compound                      | R.T. QIon |       | Response | Conc     | Units | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|-------|----------|
| -----                         |           |       |          |          |       |          |
| Internal Standards            |           |       |          |          |       |          |
| 1) Pentafluorobenzene         | 7.707     | 168   | 172817   | 50.000   | ug/l  | # 0.00   |
| 34) 1,4-Difluorobenzene       | 8.615     | 114   | 361831   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5          | 11.414    | 117   | 331750   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346    | 152   | 120805   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds   |           |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4     | 8.061     | 65    | 123490   | 57.254   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | =     | 114.500% |
| 35) Dibromofluoromethane      | 7.634     | 113   | 120603   | 52.425   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | =     | 104.840% |
| 50) Toluene-d8                | 10.103    | 98    | 455552   | 49.748   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range | 58 - 134 | Recovery | =     | 99.500%  |
| 62) 4-Bromofluorobenzene      | 12.401    | 95    | 137102   | 46.095   | ug/l  | 0.00     |
| Spiked Amount                 | 50.000    | Range | 29 - 146 | Recovery | =     | 92.180%  |
| Target Compounds              |           |       |          |          |       |          |
|                               |           |       |          |          |       | Qvalue   |
| 11) Tert butyl alcohol        | 4.854     | 59    | 161      | 1.038    | ug/l  | # 88     |
| 16) Acetone                   | 3.879     | 43    | 1614     | 3.218    | ug/l  | # 62     |
| 20) Methylene Chloride        | 4.622     | 84    | 3097     | 1.374    | ug/l  | # 87     |
| 31) Cyclohexane               | 7.701     | 56    | 5122     | 1.309    | ug/l  | # 44     |
| 36) 1,1-Dichloropropene       | 7.701     | 75    | 18066    | 5.084    | ug/l  | # 49     |
| 38) Carbon Tetrachloride      | 7.707     | 117   | 20123    | 5.631    | ug/l  | # 15     |
| 76) 1,2,3-Trichloropropane    | 12.401    | 75    | 81452    | 71.927   | ug/l  | # 100    |
| 81) trans-1,4-Dichloro-2-b... | 12.401    | 75    | 81452    | 154.713  | ug/l  | # 16     |
| -----                         |           |       |          |          |       |          |

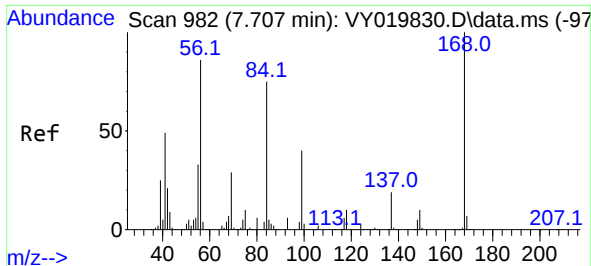
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :  
MSVOA\_Y  
ClientSampleId :

Quant Time: Nov 01 16:02:59 2024  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y103024S.M  
Quant Title : SW846 8260  
QLast Update : Thu Oct 31 15:23:13 2024  
Response via : Initial Calibration

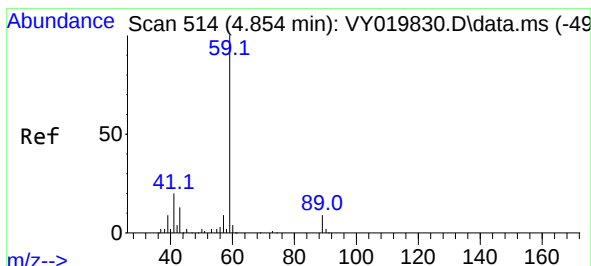
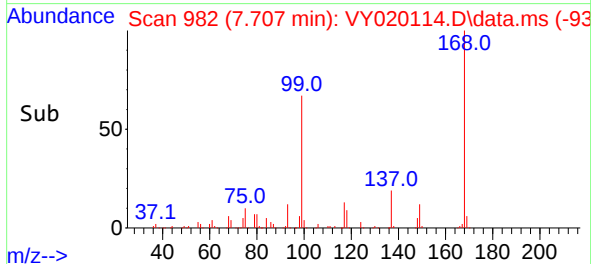
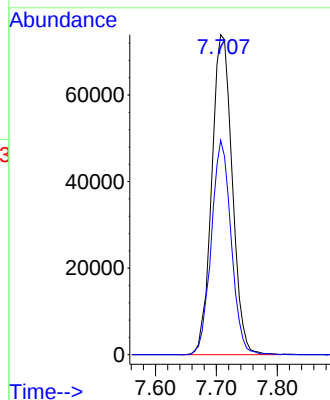
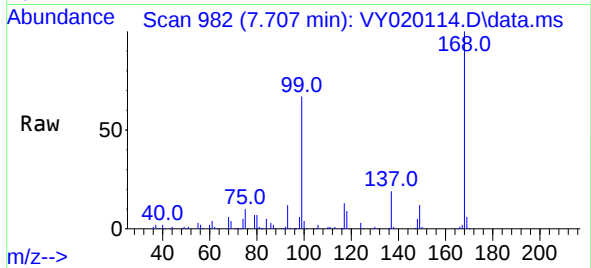




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.707 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

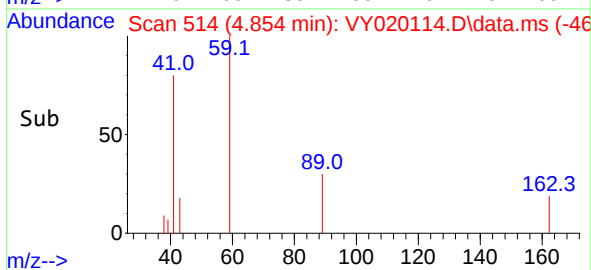
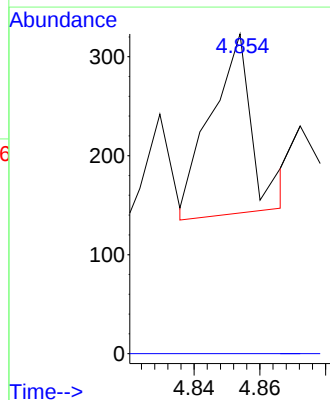
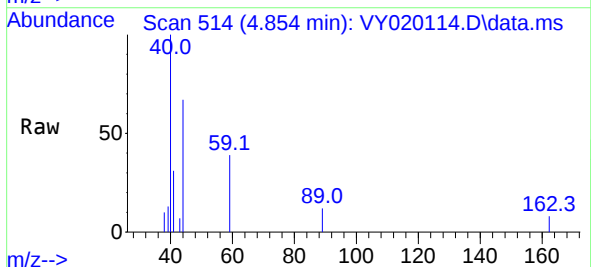
Instrument :  
MSVOA\_Y  
ClientSampleId :

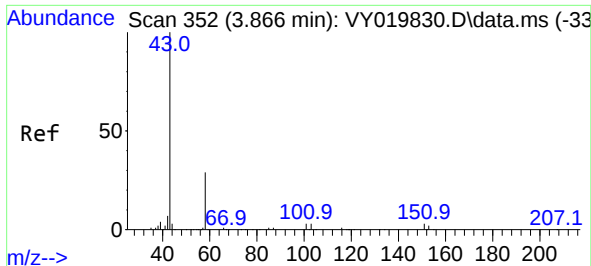
Tgt Ion:168 Resp: 172817  
Ion Ratio Lower Upper  
168 100  
99 67.0 39.1 58.7#



#11  
Tert butyl alcohol  
Concen: 1.038 ug/l  
RT: 4.854 min Scan# 514  
Delta R.T. -0.006 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

Tgt Ion: 59 Resp: 161  
Ion Ratio Lower Upper  
59 100  
57 0.0 3.0 4.6#

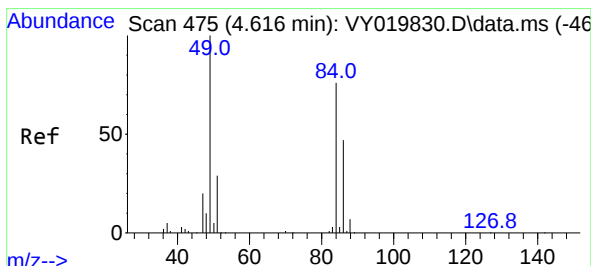
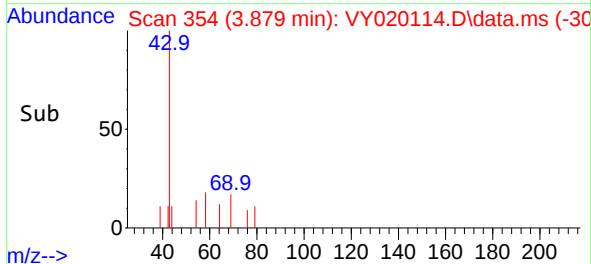
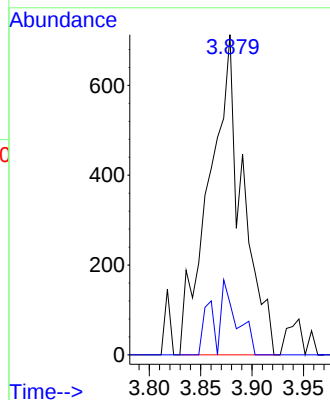
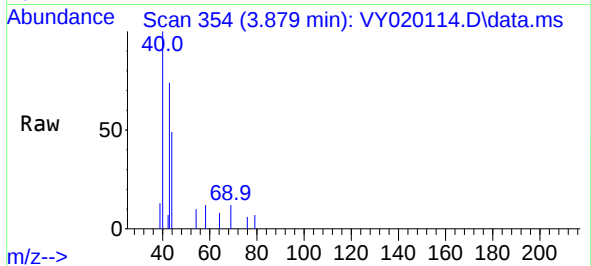




#16  
Acetone  
Concen: 3.218 ug/l  
RT: 3.879 min Scan# 316  
Delta R.T. 0.006 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

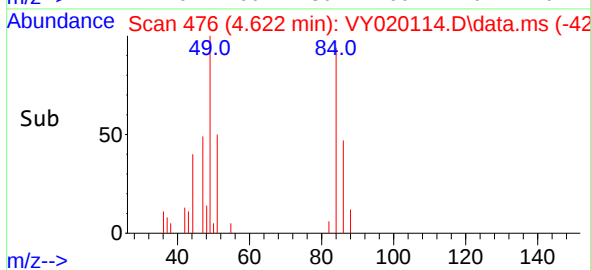
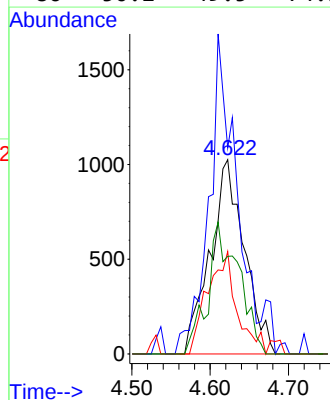
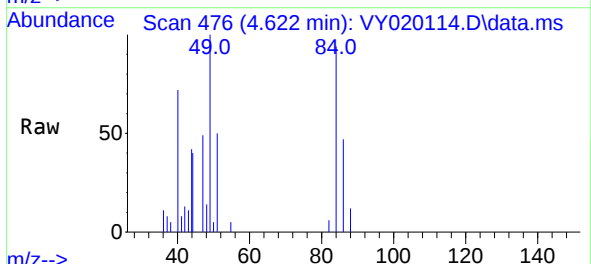
Instrument :  
MSVOA\_Y  
ClientSampleId :

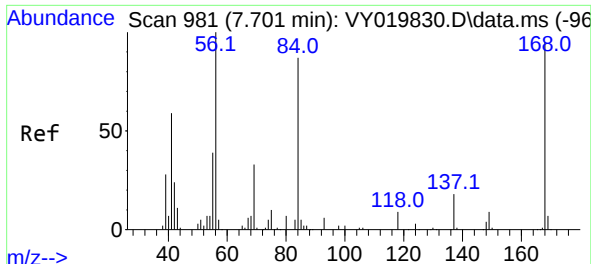
Tgt Ion: 43 Resp: 1614  
Ion Ratio Lower Upper  
43 100  
58 16.1 31.7 47.5#



#20  
Methylene Chloride  
Concen: 1.374 ug/l  
RT: 4.622 min Scan# 476  
Delta R.T. 0.006 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

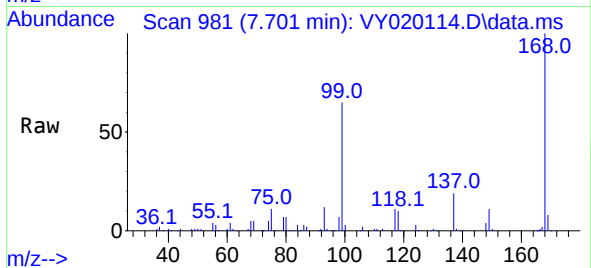
Tgt Ion: 84 Resp: 3097  
Ion Ratio Lower Upper  
84 100  
49 101.2 84.4 126.6  
51 52.7 26.0 39.0#  
86 50.2 49.5 74.3



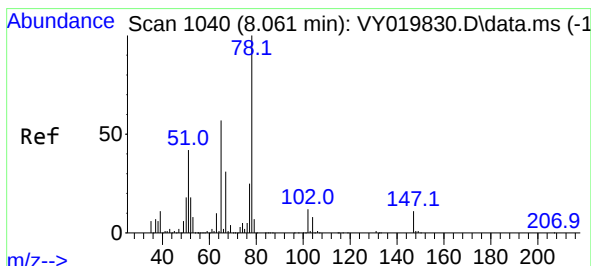
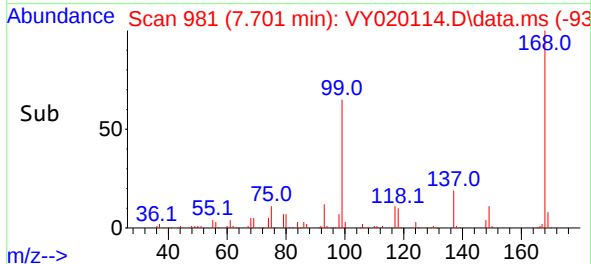
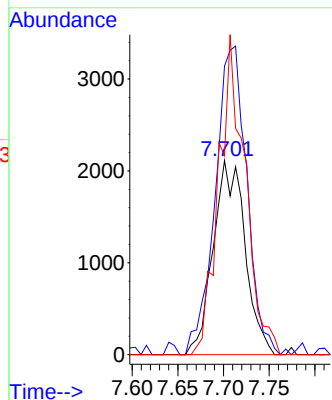


#31  
Cyclohexane  
Concen: 1.309 ug/l  
RT: 7.701 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

Instrument :  
MSVOA\_Y  
ClientSampleId :

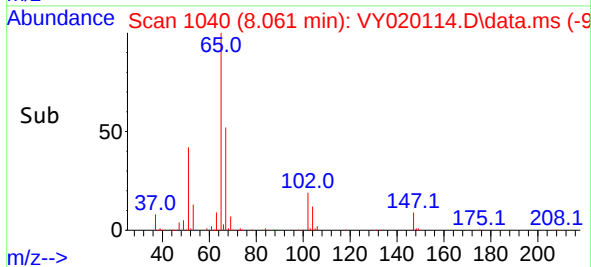
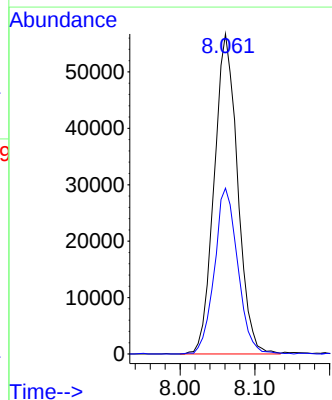
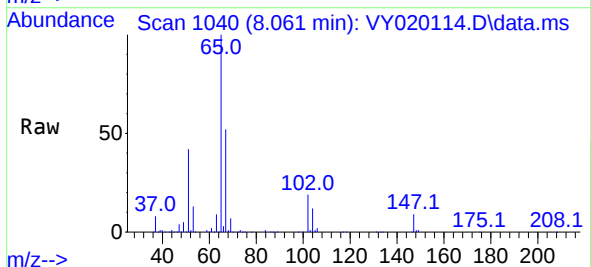


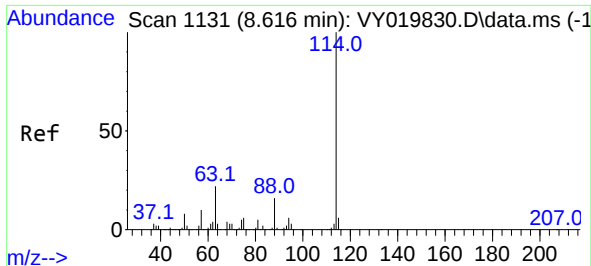
Tgt Ion: 56 Resp: 5122  
Ion Ratio Lower Upper  
56 100  
69 148.7 28.7 43.1#  
84 102.6 77.7 116.5



#33  
1,2-Dichloroethane-d4  
Concen: 57.254 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. 0.000 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

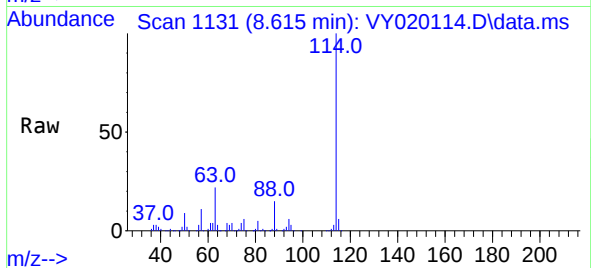
Tgt Ion: 65 Resp: 123490  
Ion Ratio Lower Upper  
65 100  
67 51.6 0.0 109.6



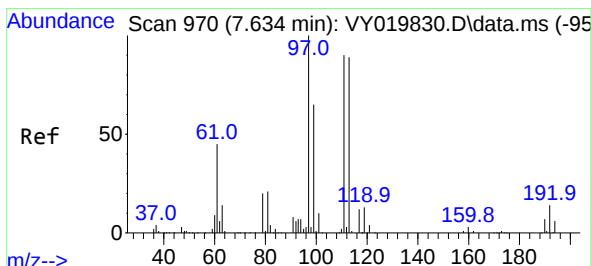
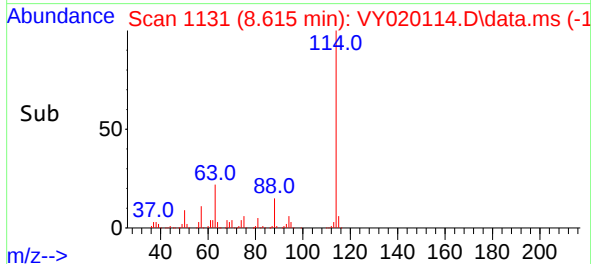
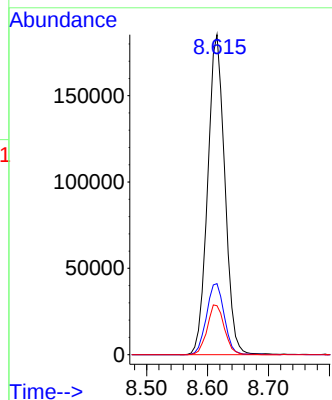


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.615 min Scan# 1131  
Delta R.T. 0.000 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

Instrument :  
MSVOA\_Y  
ClientSampleId :

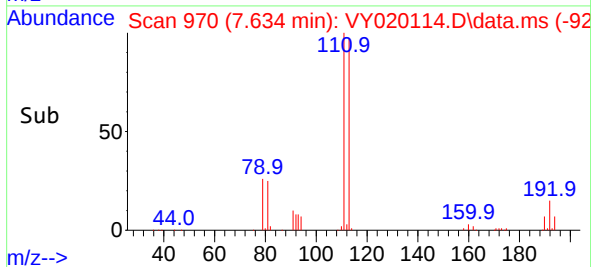
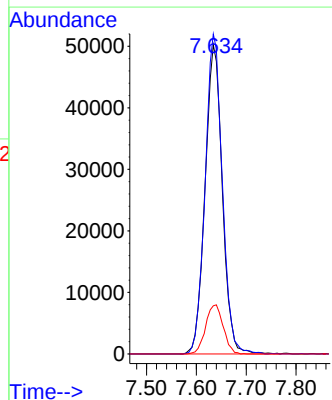
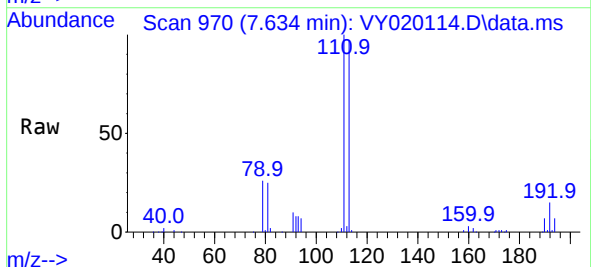


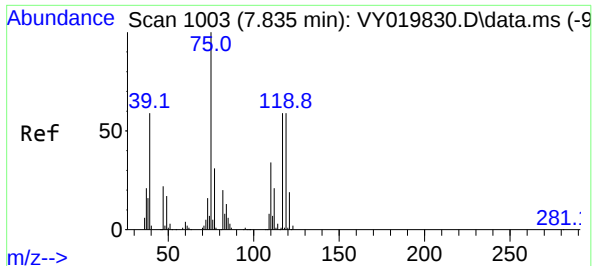
Tgt Ion:114 Resp: 361831  
Ion Ratio Lower Upper  
114 100  
63 22.2 0.0 35.0  
88 15.3 0.0 27.2



#35  
Dibromofluoromethane  
Concen: 52.425 ug/l  
RT: 7.634 min Scan# 970  
Delta R.T. 0.000 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

Tgt Ion:113 Resp: 120603  
Ion Ratio Lower Upper  
113 100  
111 103.1 82.2 123.4  
192 16.2 15.9 23.9

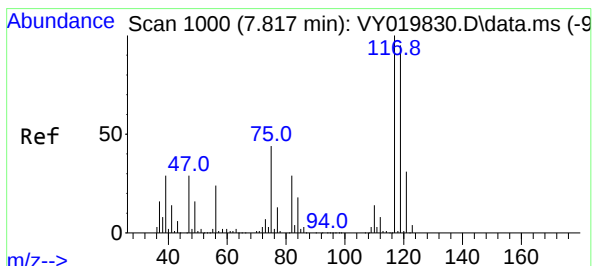
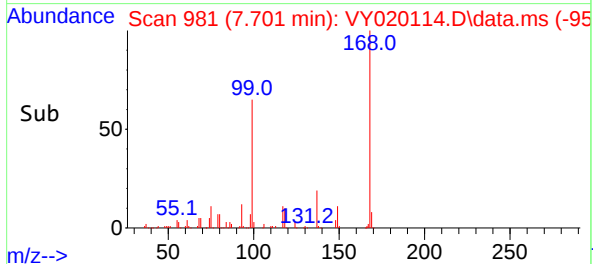
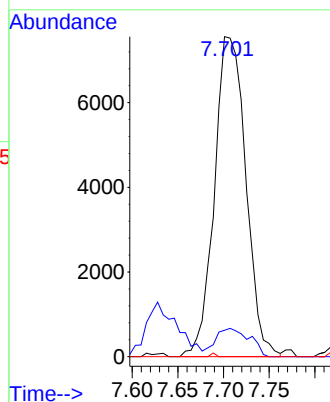
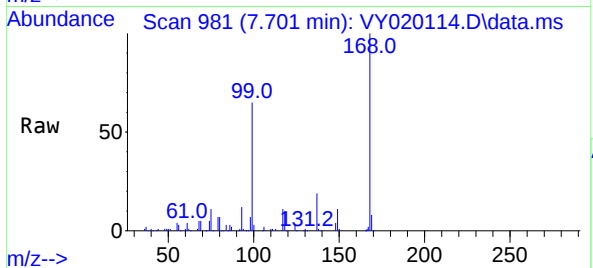




#36  
1,1-Dichloropropene  
Concen: 5.084 ug/l  
RT: 7.701 min Scan# 91  
Delta R.T. -0.134 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

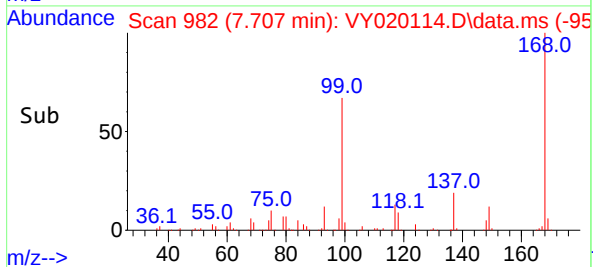
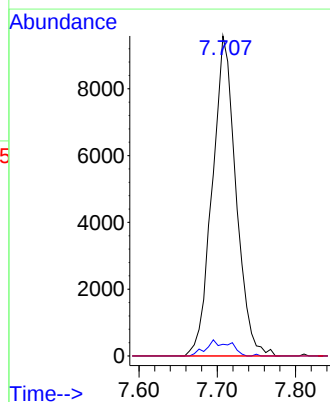
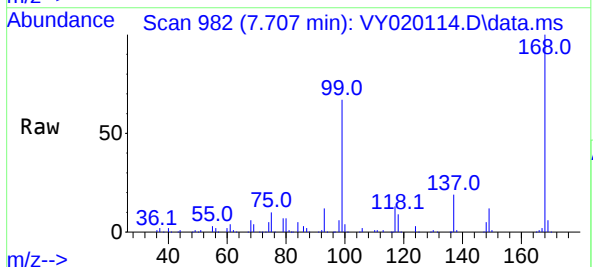
Instrument :  
MSVOA\_Y  
ClientSampleId :

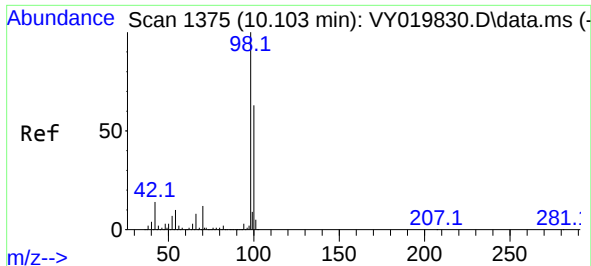
Tgt Ion: 75 Resp: 18066  
Ion Ratio Lower Upper  
75 100  
110 9.7 19.0 57.0#  
77 0.2 25.3 37.9#



#38  
Carbon Tetrachloride  
Concen: 5.631 ug/l  
RT: 7.707 min Scan# 982  
Delta R.T. -0.110 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

Tgt Ion: 117 Resp: 20123  
Ion Ratio Lower Upper  
117 100  
119 3.7 75.8 113.6#  
121 0.0 24.0 36.0#

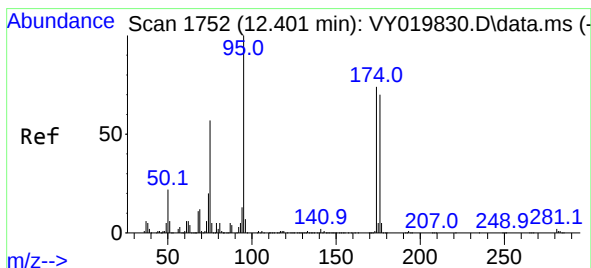
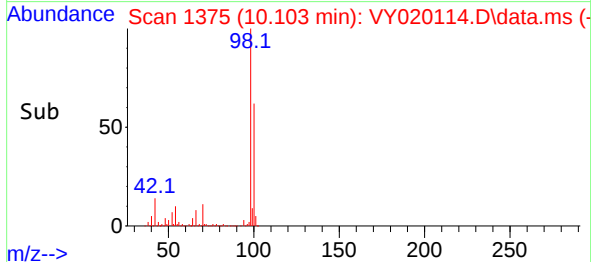
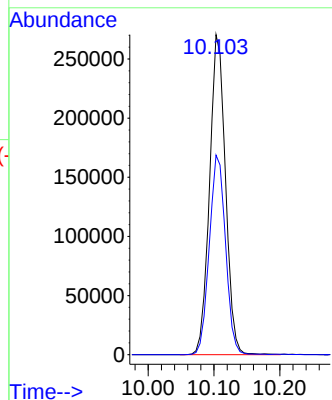
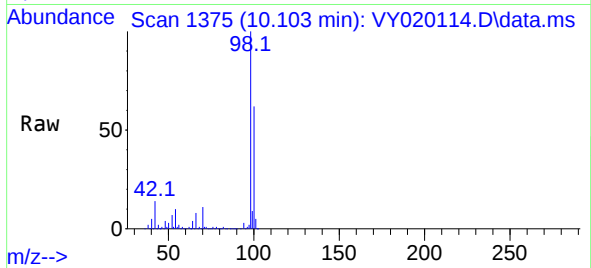




#50  
Toluene-d8  
Concen: 49.748 ug/l  
RT: 10.103 min Scan# 1375  
Delta R.T. -0.006 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

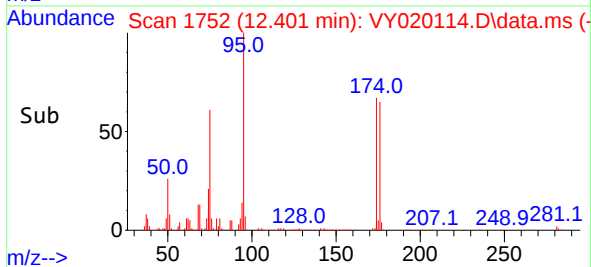
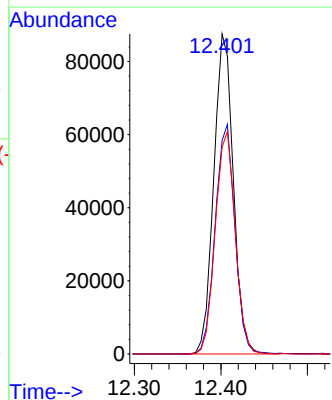
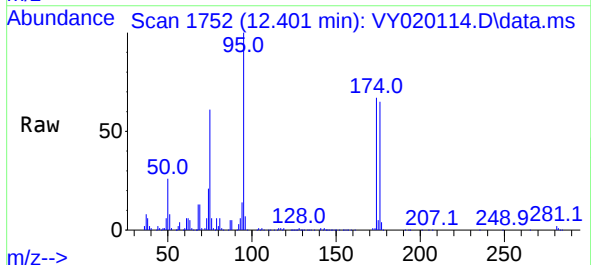
Instrument :  
MSVOA\_Y  
ClientSampleId :

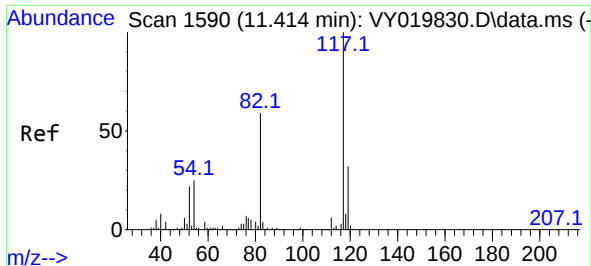
Tgt Ion: 98 Resp: 455552  
Ion Ratio Lower Upper  
98 100  
100 63.6 52.0 78.0



#62  
4-Bromofluorobenzene  
Concen: 46.095 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.006 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

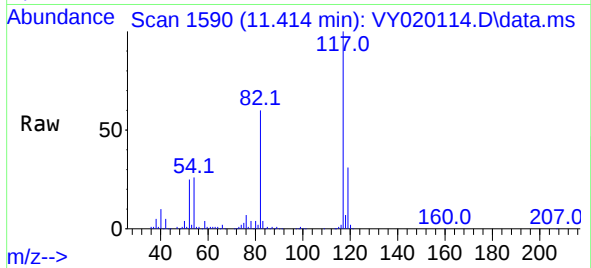
Tgt Ion: 95 Resp: 137102  
Ion Ratio Lower Upper  
95 100  
174 72.5 0.0 175.6  
176 70.9 0.0 171.4



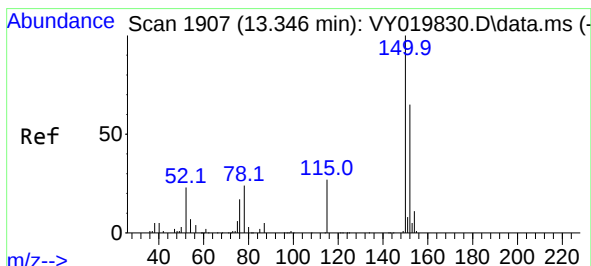
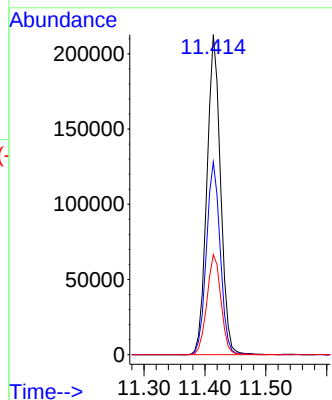
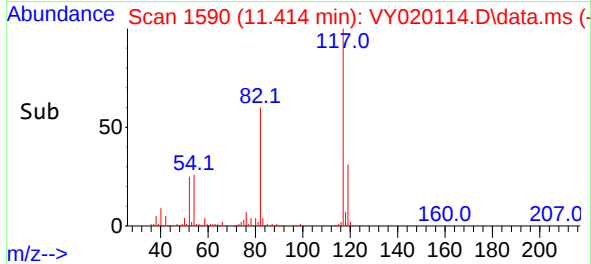


#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.414 min Scan# 11  
Delta R.T. -0.006 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

Instrument :  
MSVOA\_Y  
ClientSampleId :

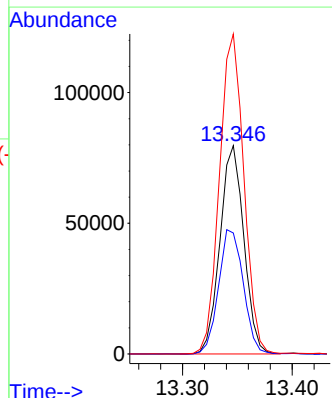
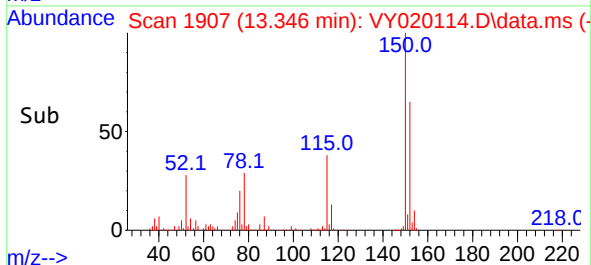
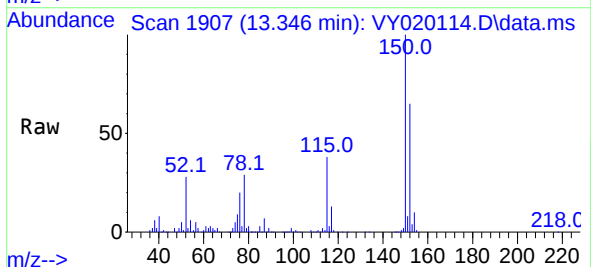


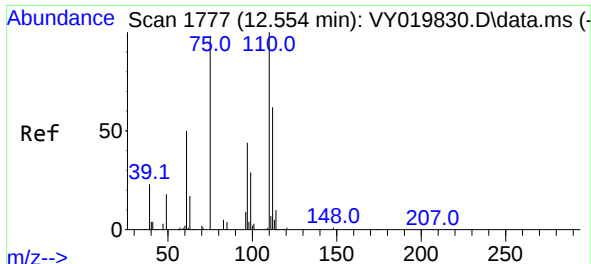
Tgt Ion:117 Resp: 331750  
Ion Ratio Lower Upper  
117 100  
82 60.2 42.4 63.6  
119 31.3 25.9 38.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.346 min Scan# 1907  
Delta R.T. 0.000 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

Tgt Ion:152 Resp: 120805  
Ion Ratio Lower Upper  
152 100  
115 61.8 28.2 84.7  
150 157.3 0.0 345.6

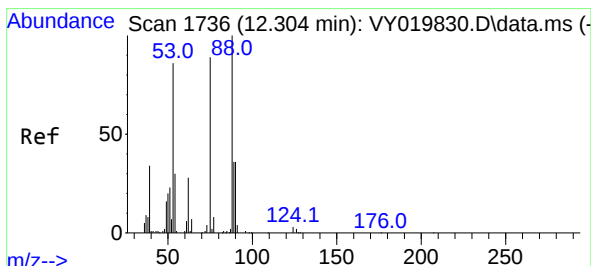
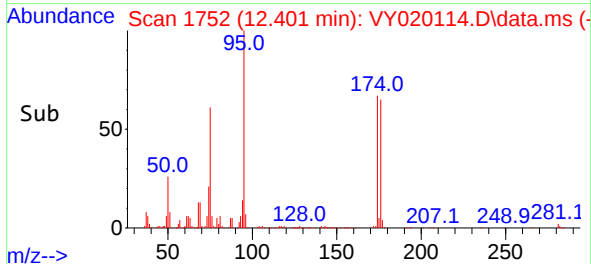
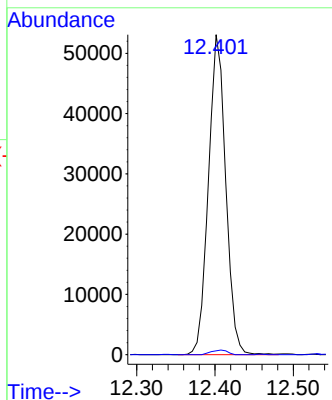
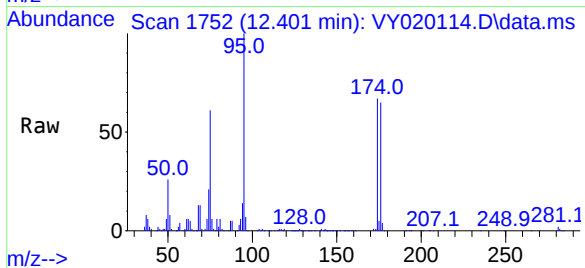




#76  
1,2,3-Trichloropropane  
Concen: 71.927 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. -0.158 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 81452  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 154.713 ug/l  
RT: 12.401 min Scan# 1752  
Delta R.T. 0.098 min  
Lab File: VY020114.D  
Acq: 01 Nov 2024 11:59

Tgt Ion: 75 Resp: 81452  
Ion Ratio Lower Upper  
75 100  
53 0.0 66.8 100.2#  
89 0.1 35.8 53.6#

