

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY112524\  
 Data File : VY020433.D  
 Acq On : 25 Nov 2024 16:34  
 Operator : SY/MD  
 Sample : P4960-03  
 Misc : 5.06g/5.0mL/MSVOA\_Y/SOIL/B  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 26 00:46:17 2024  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111924S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Nov 20 04:38:24 2024  
 Response via : Initial Calibration

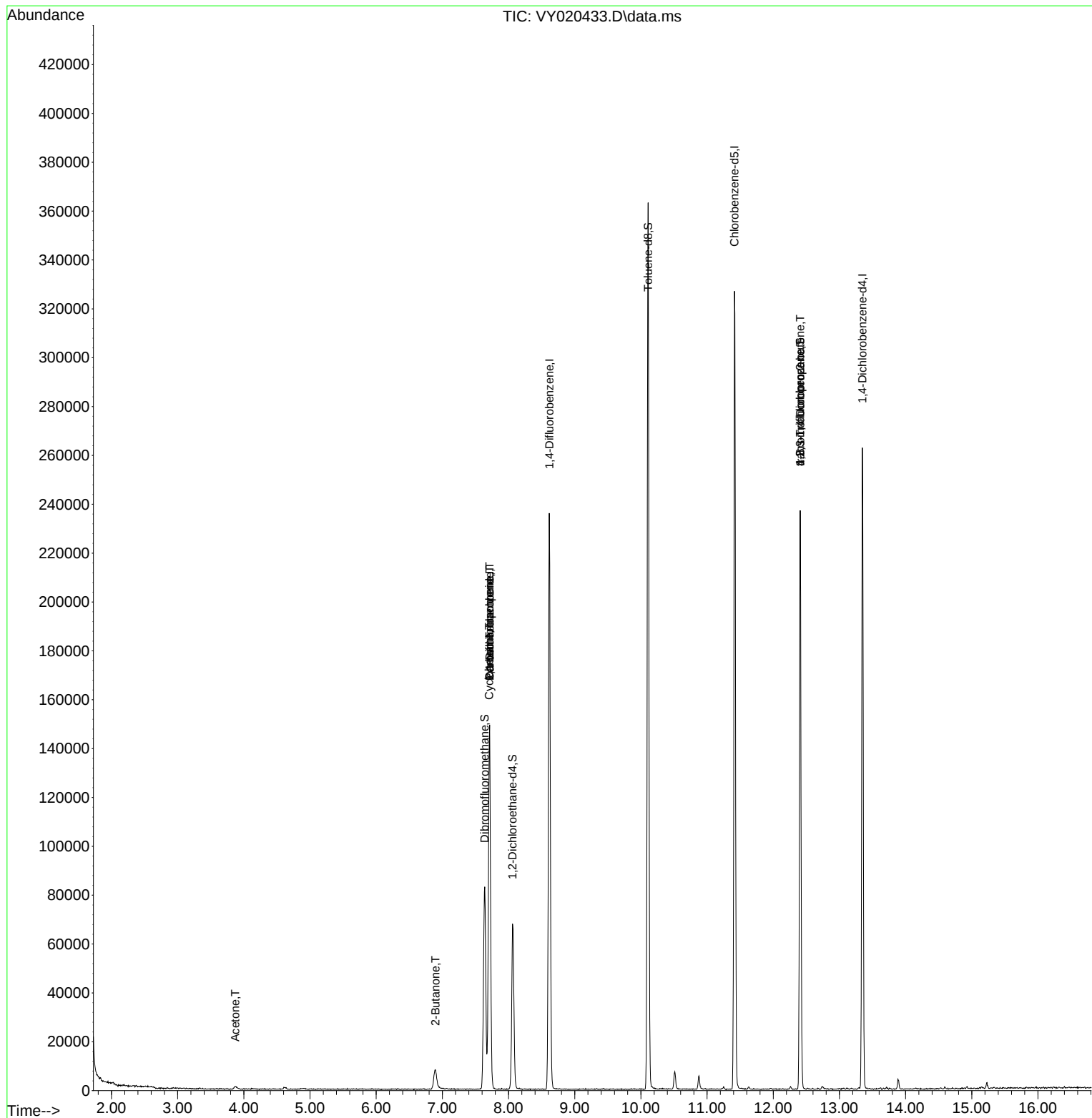
| Compound                      | R.T.   | QIon  | Response | Conc      | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|-----------|--------|----------|
| -----                         |        |       |          |           |        |          |
| Internal Standards            |        |       |          |           |        |          |
| 1) Pentafluorobenzene         | 7.713  | 168   | 109399   | 50.000    | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.616  | 114   | 194375   | 50.000    | ug/l   | 0.00     |
| 63) Chlorobenzene-d5          | 11.414 | 117   | 172874   | 50.000    | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.346 | 152   | 63892    | 50.000    | ug/l   | 0.00     |
| System Monitoring Compounds   |        |       |          |           |        |          |
| 33) 1,2-Dichloroethane-d4     | 8.061  | 65    | 56243    | 44.749    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 50 - 163 | Recovery  | =      | 89.500%  |
| 35) Dibromofluoromethane      | 7.640  | 113   | 58498    | 46.934    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 54 - 147 | Recovery  | =      | 93.860%  |
| 50) Toluene-d8                | 10.109 | 98    | 234045   | 47.669    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 58 - 134 | Recovery  | =      | 95.340%  |
| 62) 4-Bromofluorobenzene      | 12.408 | 95    | 71110    | 45.054    | ug/l   | 0.00     |
| Spiked Amount                 | 50.000 | Range | 29 - 146 | Recovery  | =      | 90.100%  |
| Target Compounds              |        |       |          |           |        |          |
|                               |        |       |          |           | Qvalue |          |
| 3) Chloromethane              | 2.068  | 50    | 94       | Below Cal | #      | 41       |
| 16) Acetone                   | 3.872  | 43    | 2186     | 7.255     | ug/l # | 88       |
| 25) 2-Butanone                | 6.896  | 43    | 557      | 1.436     | ug/l # | 50       |
| 31) Cyclohexane               | 7.707  | 56    | 2424     | 1.035     | ug/l # | 10       |
| 36) 1,1-Dichloropropene       | 7.713  | 75    | 8904     | 4.677     | ug/l # | 52       |
| 38) Carbon Tetrachloride      | 7.713  | 117   | 11691    | 5.882     | ug/l # | 16       |
| 76) 1,2,3-Trichloropropane    | 12.408 | 75    | 39522    | 65.629    | ug/l # | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.408 | 75    | 39522    | 128.597   | ug/l # | 9        |
| -----                         |        |       |          |           |        |          |

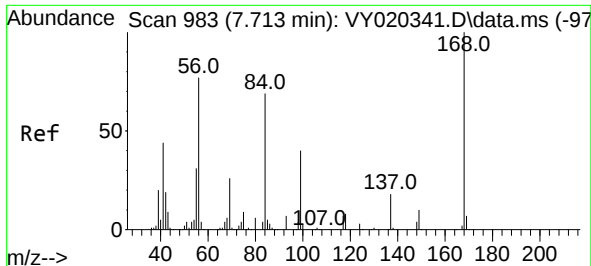
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
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Quant Title : SW846 8260  
QLast Update : Wed Nov 20 04:38:24 2024  
Response via : Initial Calibration

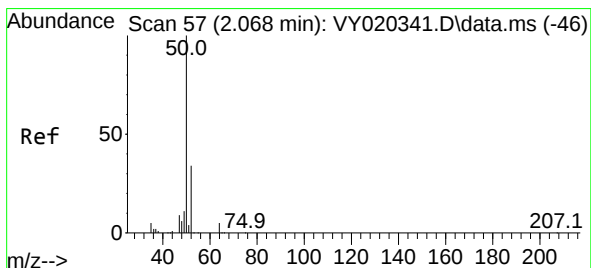
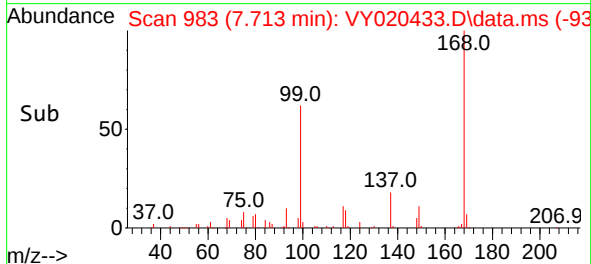
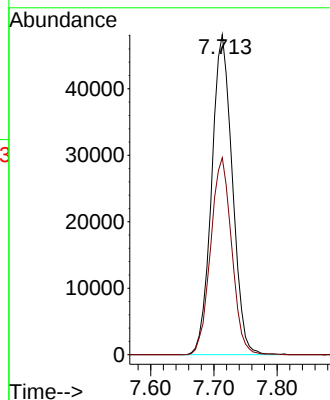
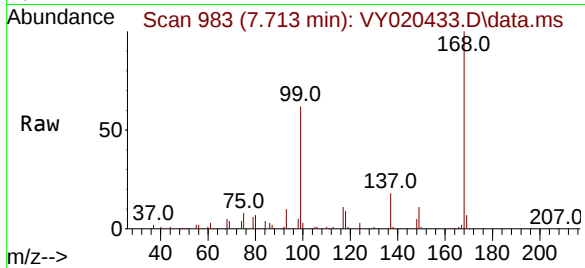




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.713 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

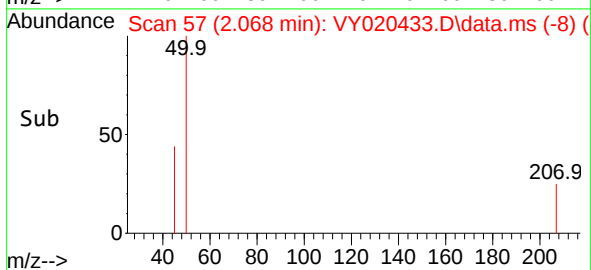
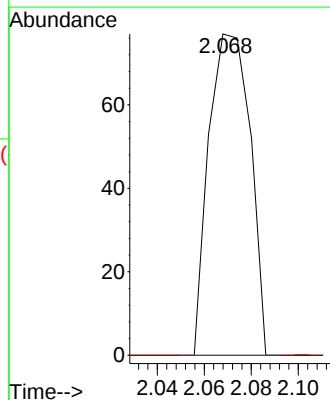
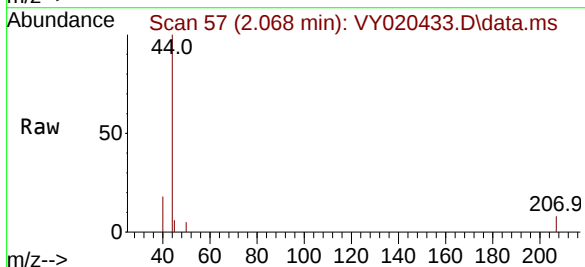
Instrument :  
MSVOA\_Y  
ClientSampleId :

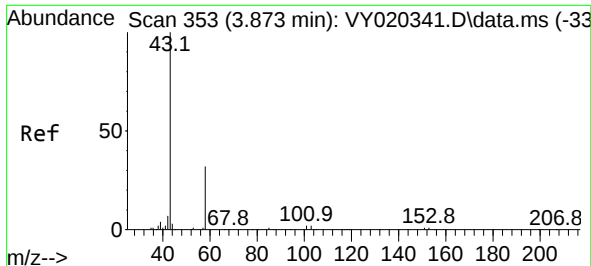
Tgt Ion:168 Resp: 109399  
Ion Ratio Lower Upper  
168 100  
99 61.6 46.6 69.8



#3  
Chloromethane  
Concen: Below Cal  
RT: 2.068 min Scan# 57  
Delta R.T. -0.000 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

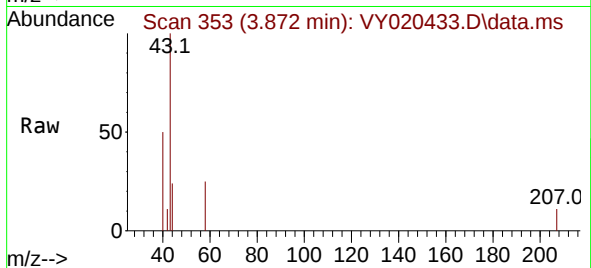
Tgt Ion: 50 Resp: 94  
Ion Ratio Lower Upper  
50 100  
52 0.0 26.9 40.3#



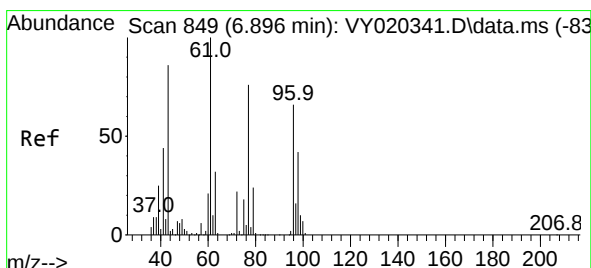
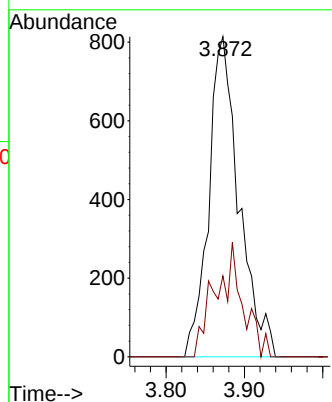
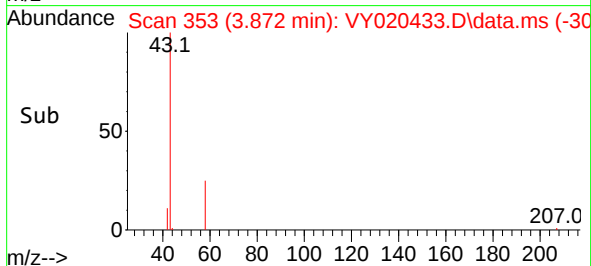


#16  
Acetone  
Concen: 7.255 ug/l  
RT: 3.872 min Scan# 311  
Delta R.T. -0.000 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

Instrument :  
MSVOA\_Y  
ClientSampleId :

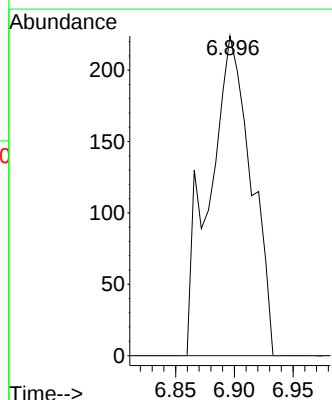
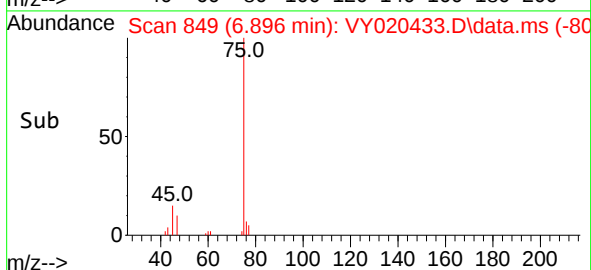
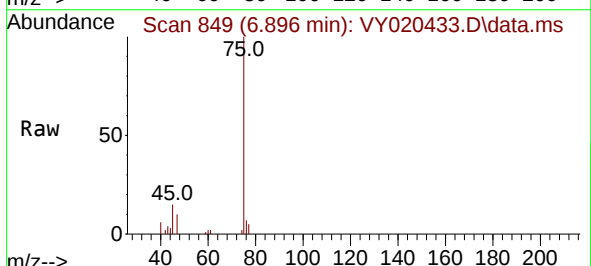


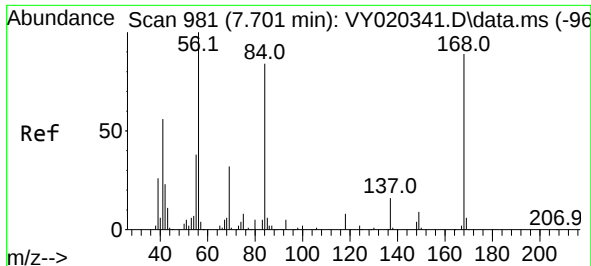
Tgt Ion: 43 Resp: 2186  
Ion Ratio Lower Upper  
43 100  
58 25.3 25.7 38.5#



#25  
2-Butanone  
Concen: 1.436 ug/l  
RT: 6.896 min Scan# 849  
Delta R.T. -0.000 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

Tgt Ion: 43 Resp: 557  
Ion Ratio Lower Upper  
43 100  
72 0.0 20.4 30.6#

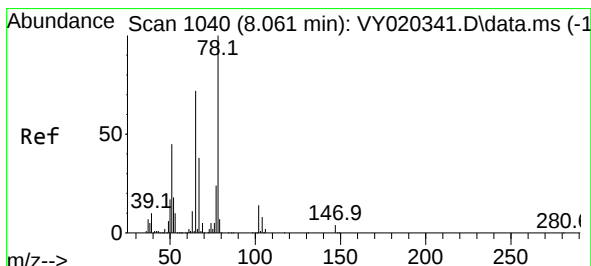
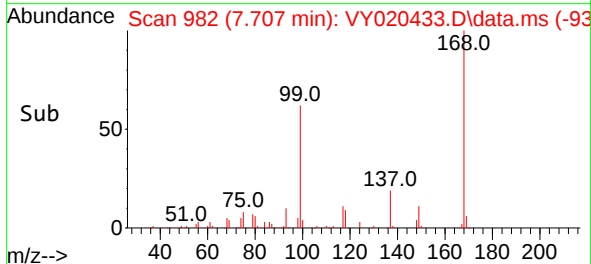
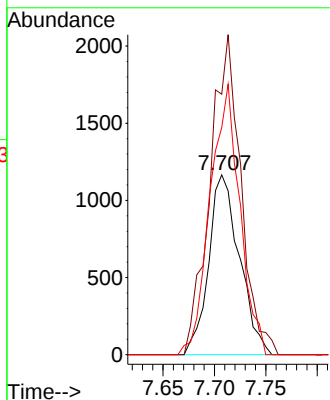
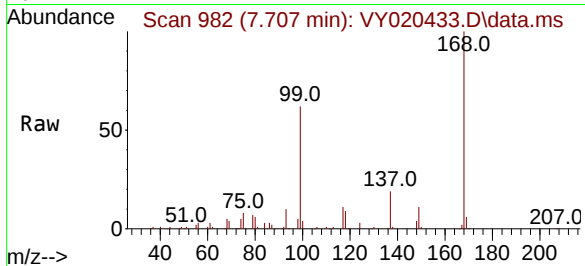




#31  
Cyclohexane  
Concen: 1.035 ug/l  
RT: 7.707 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

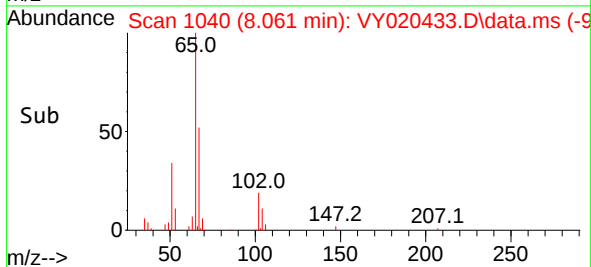
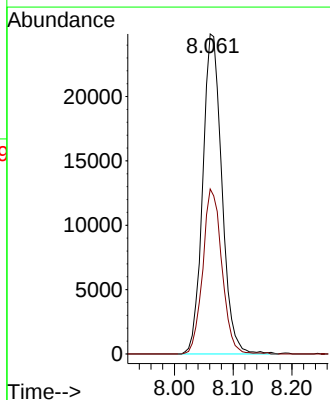
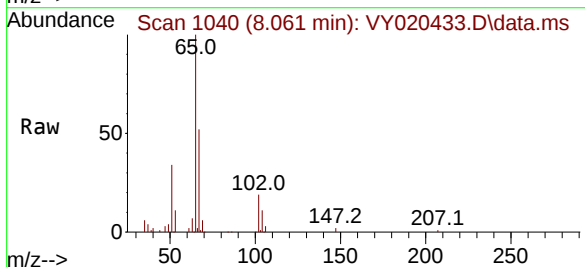
Instrument :  
MSVOA\_Y  
ClientSampleId :

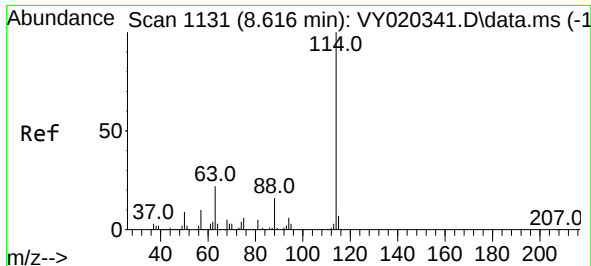
Tgt Ion: 56 Resp: 2424  
Ion Ratio Lower Upper  
56 100  
69 144.8 25.3 37.9#  
84 126.2 66.9 100.3#



#33  
1,2-Dichloroethane-d4  
Concen: 44.749 ug/l  
RT: 8.061 min Scan# 1040  
Delta R.T. -0.000 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

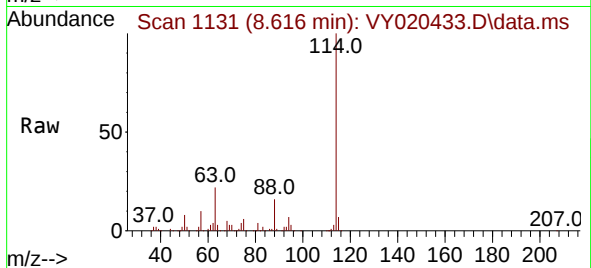
Tgt Ion: 65 Resp: 56243  
Ion Ratio Lower Upper  
65 100  
67 51.4 0.0 105.8



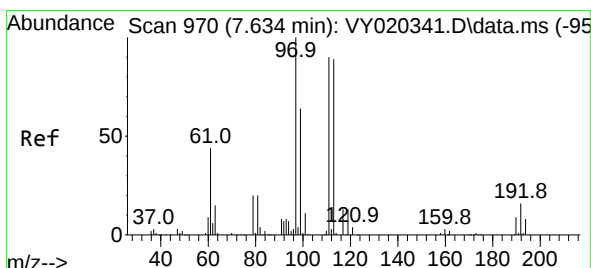
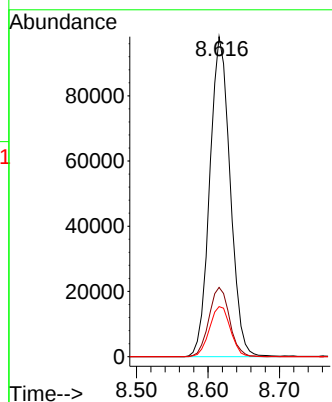
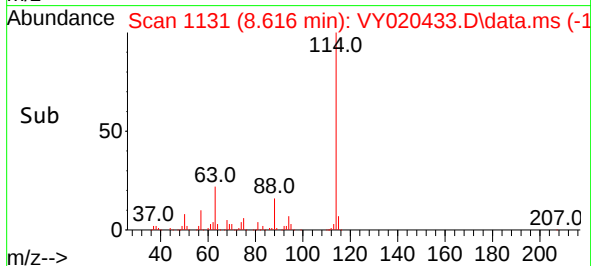


#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.616 min Scan# 1131  
Delta R.T. -0.000 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

Instrument :  
MSVOA\_Y  
ClientSampleId :

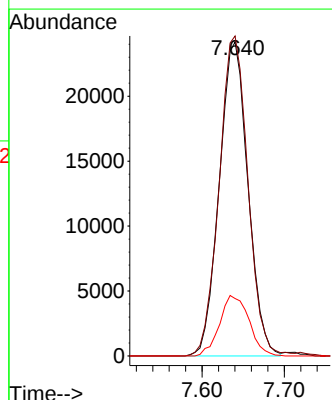
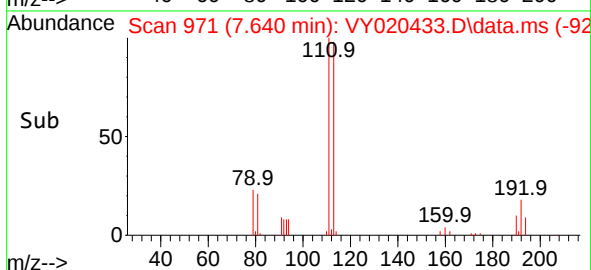
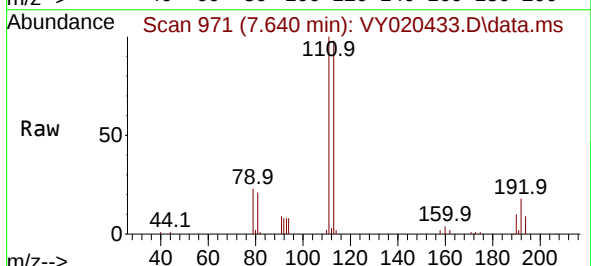


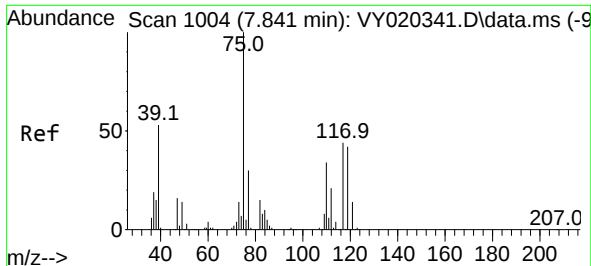
Tgt Ion:114 Resp: 194375  
Ion Ratio Lower Upper  
114 100  
63 21.7 0.0 44.8  
88 15.7 0.0 32.0



#35  
Dibromofluoromethane  
Concen: 46.934 ug/l  
RT: 7.640 min Scan# 971  
Delta R.T. 0.006 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

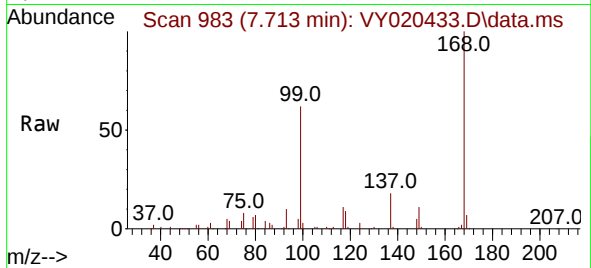
Tgt Ion:113 Resp: 58498  
Ion Ratio Lower Upper  
113 100  
111 102.4 81.4 122.0  
192 19.8 15.1 22.7



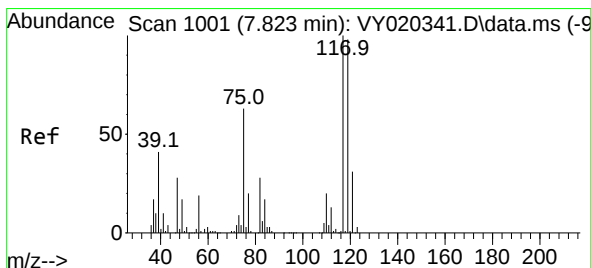
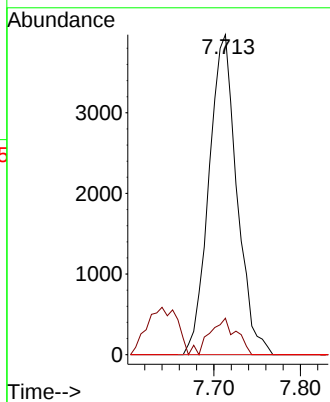
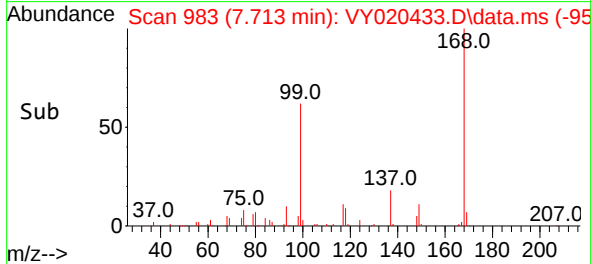


#36  
 1,1-Dichloropropene  
 Concen: 4.677 ug/l  
 RT: 7.713 min Scan# 983  
 Delta R.T. -0.128 min  
 Lab File: VY020433.D  
 Acq: 25 Nov 2024 16:34

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

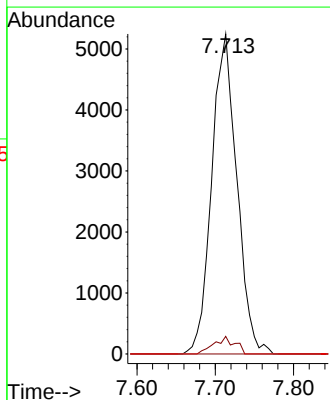
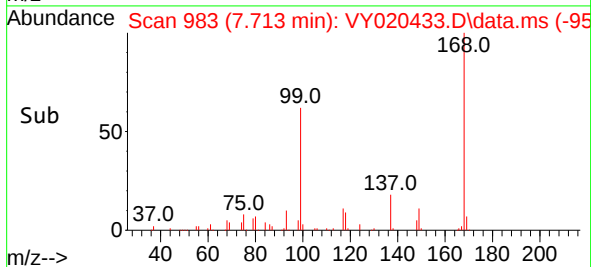
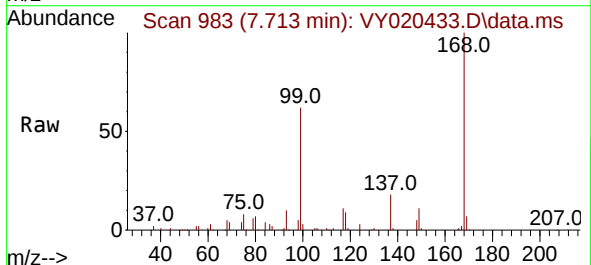


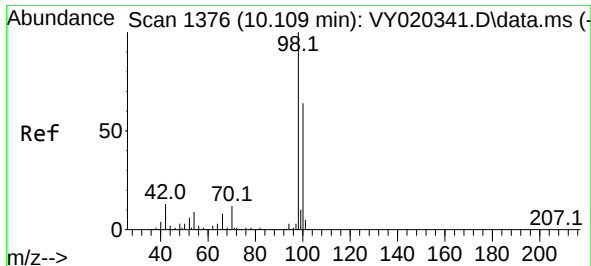
Tgt Ion: 75 Resp: 8904  
 Ion Ratio Lower Upper  
 75 100  
 110 10.4 16.7 50.0#  
 77 0.0 24.6 36.8#



#38  
 Carbon Tetrachloride  
 Concen: 5.882 ug/l  
 RT: 7.713 min Scan# 983  
 Delta R.T. -0.110 min  
 Lab File: VY020433.D  
 Acq: 25 Nov 2024 16:34

Tgt Ion: 117 Resp: 11691  
 Ion Ratio Lower Upper  
 117 100  
 119 5.5 77.8 116.6#  
 121 0.0 24.6 37.0#

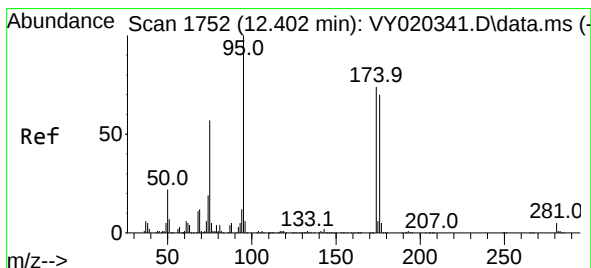
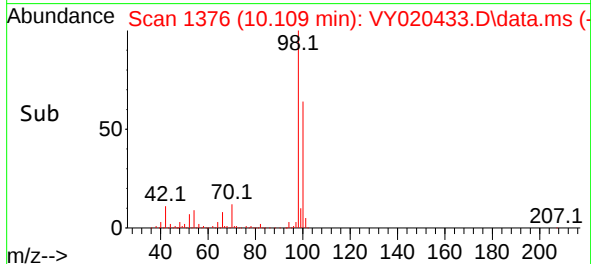
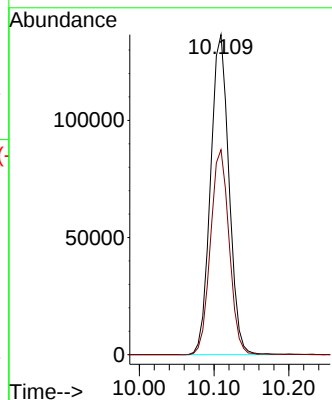
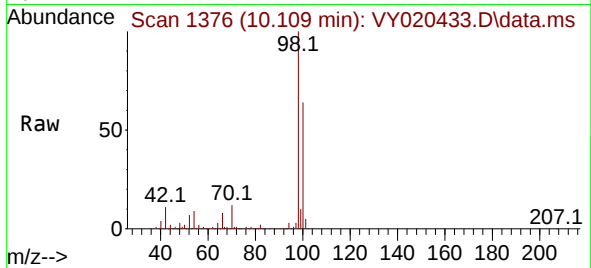




#50  
Toluene-d8  
Concen: 47.669 ug/l  
RT: 10.109 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

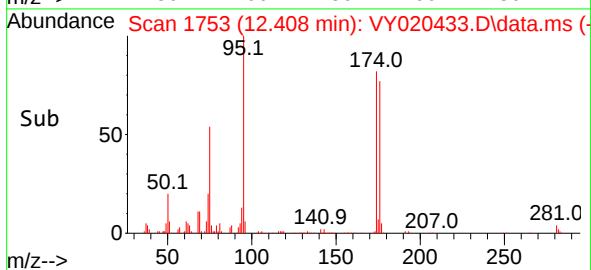
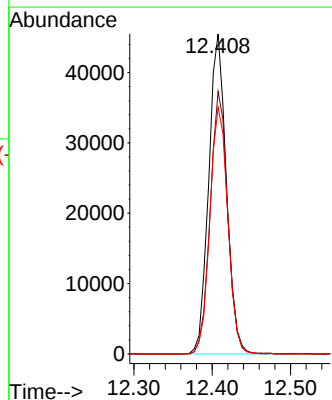
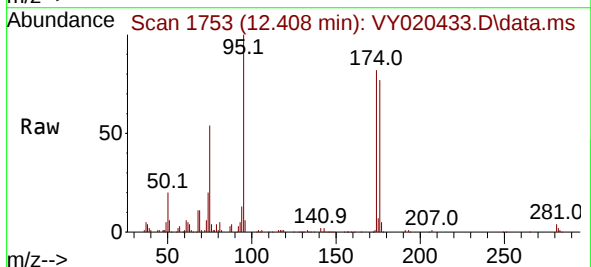
Instrument :  
MSVOA\_Y  
ClientSampleId :

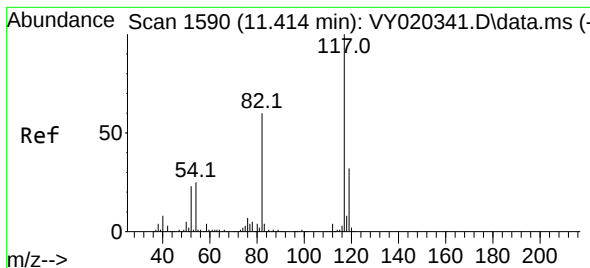
Tgt Ion: 98 Resp: 234045  
Ion Ratio Lower Upper  
98 100  
100 64.8 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 45.054 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.006 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

Tgt Ion: 95 Resp: 71110  
Ion Ratio Lower Upper  
95 100  
174 81.4 0.0 156.8  
176 78.0 0.0 152.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY020433.D

Acq: 25 Nov 2024 16:34

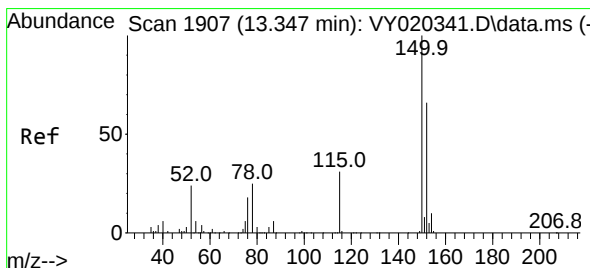
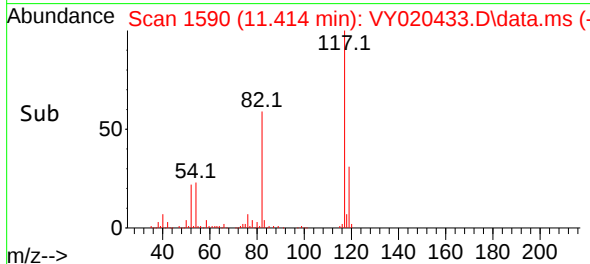
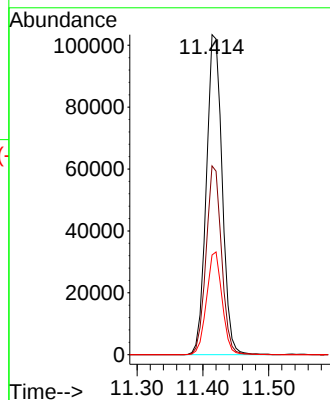
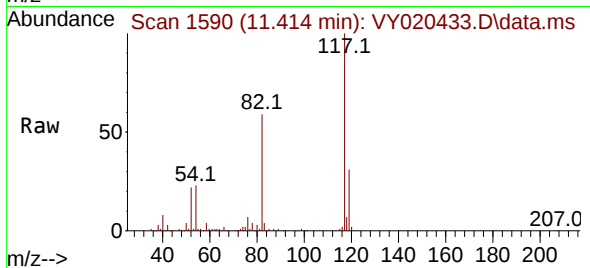
Instrument :

MSVOA\_Y

ClientSampleId :

Tgt Ion:117 Resp: 172874

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 59.0  | 48.2  | 72.4  |
| 119 | 31.2  | 25.8  | 38.8  |



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

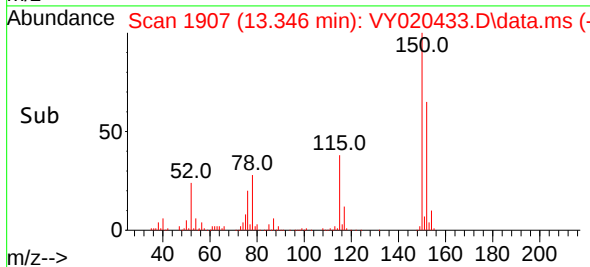
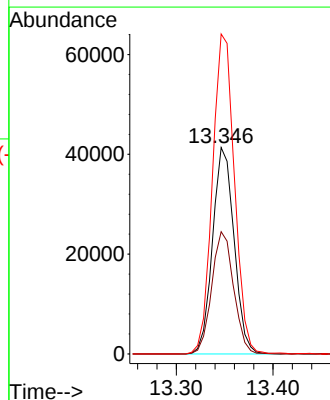
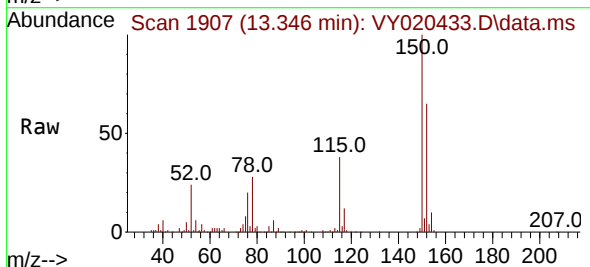
Delta R.T. -0.000 min

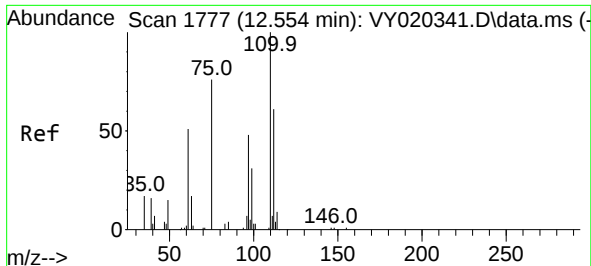
Lab File: VY020433.D

Acq: 25 Nov 2024 16:34

Tgt Ion:152 Resp: 63892

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 60.2  | 30.0  | 90.0  |
| 150 | 158.3 | 0.0   | 348.2 |

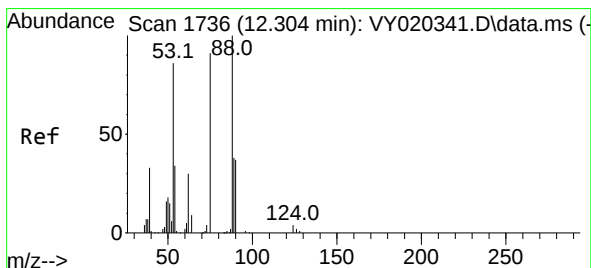
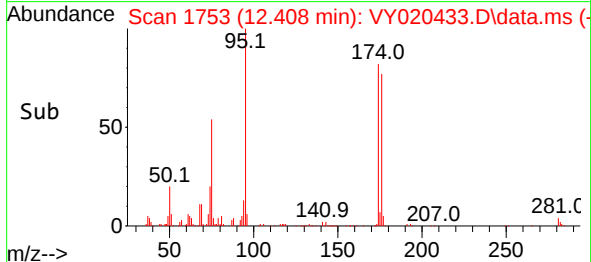
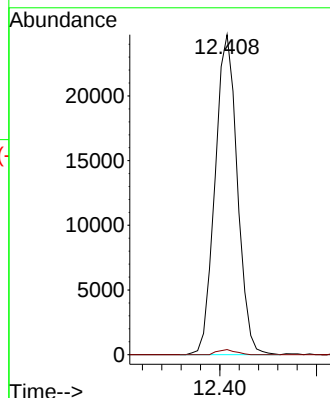
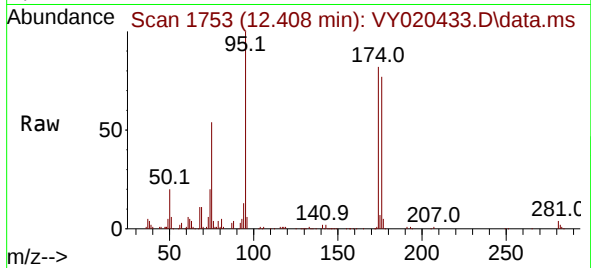




#76  
1,2,3-Trichloropropane  
Concen: 65.629 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. -0.147 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

Instrument :  
MSVOA\_Y  
ClientSampleId :

Tgt Ion: 75 Resp: 39522  
Ion Ratio Lower Upper  
75 100  
77 1.3 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 128.597 ug/l  
RT: 12.408 min Scan# 1753  
Delta R.T. 0.103 min  
Lab File: VY020433.D  
Acq: 25 Nov 2024 16:34

Tgt Ion: 75 Resp: 39522  
Ion Ratio Lower Upper  
75 100  
53 0.0 81.1 121.7#  
89 0.0 35.1 52.7#

