

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY082721\  
 Data File : VY005883.D  
 Acq On : 27 Aug 2021 15:05  
 Operator : SY/MD  
 Sample : M3569-04  
 Misc : 5.09G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Aug 28 03:51:42 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

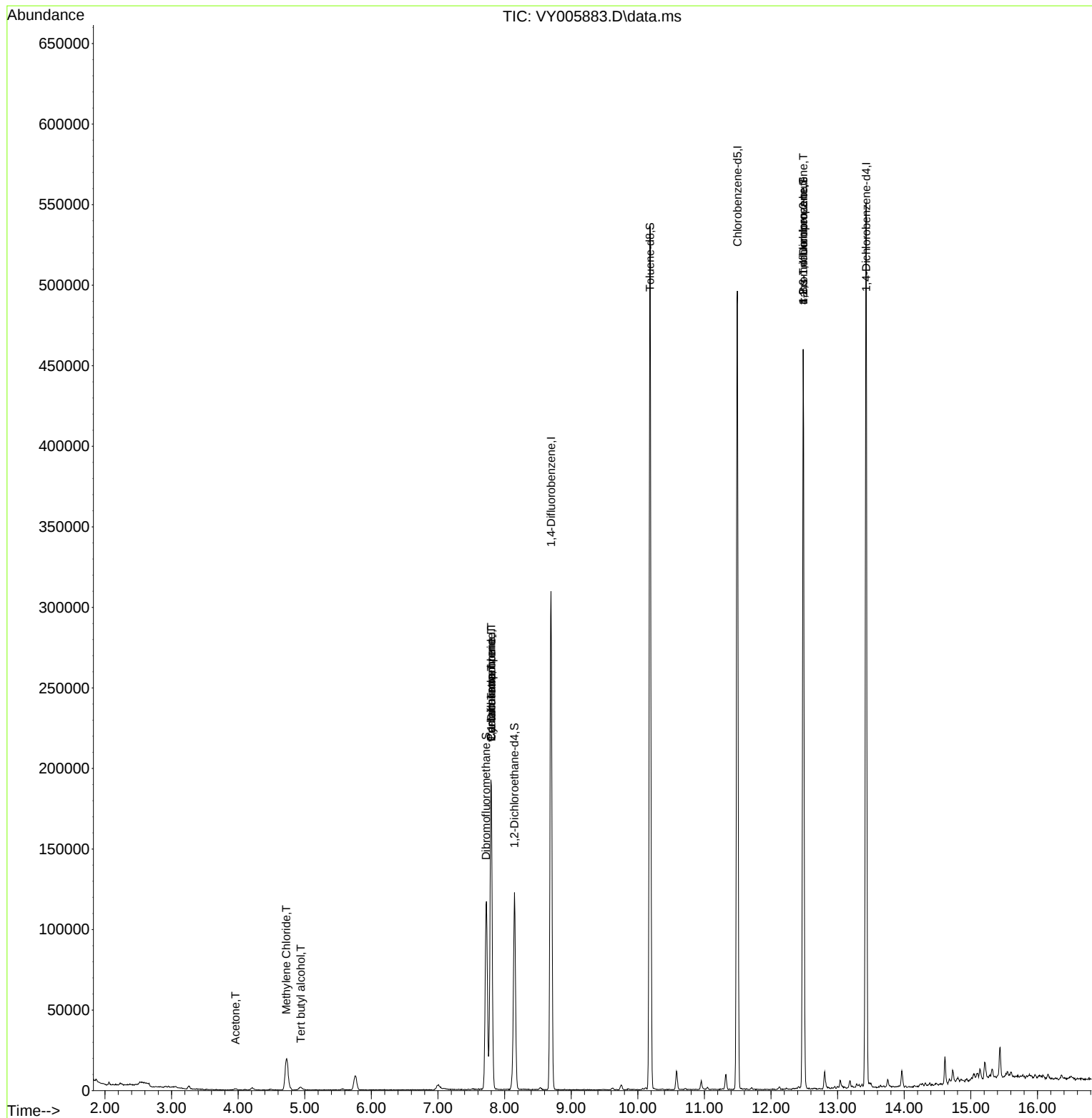
| Compound                      | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                         |           |       |          |          |            |          |
| Internal Standards            |           |       |          |          |            |          |
| 1) Pentafluorobenzene         | 7.801     | 168   | 160495   | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene       | 8.697     | 114   | 268756   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5          | 11.495    | 117   | 273775   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4    | 13.428    | 152   | 141359   | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds   |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4     | 8.149     | 65    | 93808    | 57.742   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 50 - 163 | Recovery | = 115.480% |          |
| 35) Dibromofluoromethane      | 7.722     | 113   | 79496    | 52.832   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 54 - 147 | Recovery | = 105.660% |          |
| 50) Toluene-d8                | 10.185    | 98    | 342026   | 54.199   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 49 - 140 | Recovery | = 108.400% |          |
| 62) 4-Bromofluorobenzene      | 12.483    | 95    | 118192   | 56.558   | ug/l       | 0.00     |
| Spiked Amount                 | 50.000    | Range | 25 - 144 | Recovery | = 113.120% |          |
| Target Compounds              |           |       |          |          |            |          |
|                               |           |       |          |          | Qvalue     |          |
| 11) Tert butyl alcohol        | 4.942     | 59    | 2154     | 13.412   | ug/l #     | 73       |
| 16) Acetone                   | 3.960     | 43    | 1341     | 3.274    | ug/l #     | 88       |
| 20) Methylene Chloride        | 4.722     | 84    | 14940    | 3.570    | ug/l       | 92       |
| 31) Cyclohexane               | 7.801     | 56    | 2968     | 1.065    | ug/l #     | 20       |
| 36) 1,1-Dichloropropene       | 7.801     | 75    | 11661    | 4.626    | ug/l #     | 48       |
| 38) Carbon Tetrachloride      | 7.801     | 117   | 13949    | 5.092    | ug/l #     | 17       |
| 76) 1,2,3-Trichloropropane    | 12.483    | 75    | 63769    | 43.532   | ug/l #     | 100      |
| 81) trans-1,4-Dichloro-2-b... | 12.483    | 75    | 63769    | 87.754   | ug/l #     | 11       |
| -----                         |           |       |          |          |            |          |

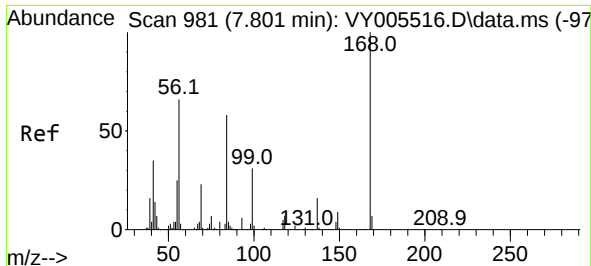
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_Y  
ClientSampleId :

Quant Time: Aug 28 03:51:42 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
Response via : Initial Calibration

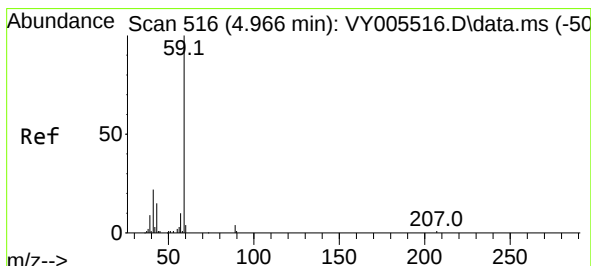
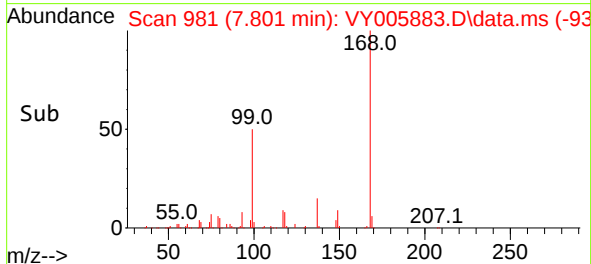
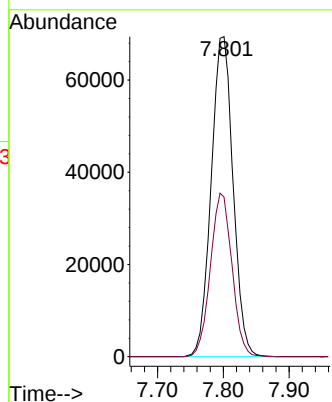
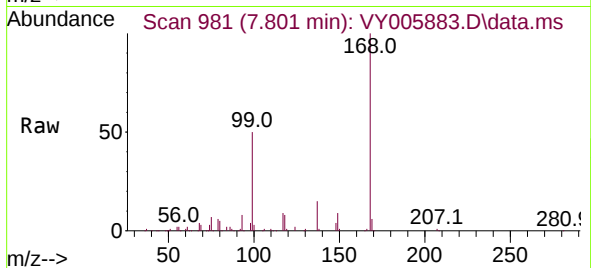




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005883.D  
Acq: 27 Aug 2021 15:05

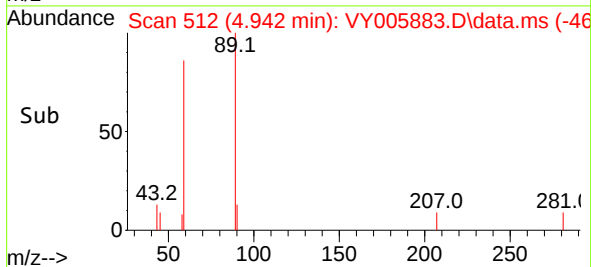
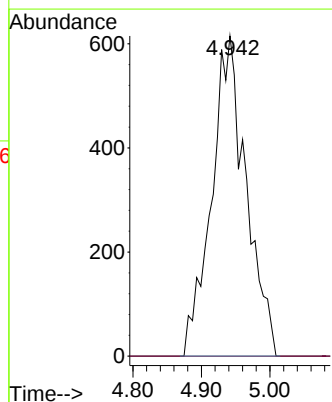
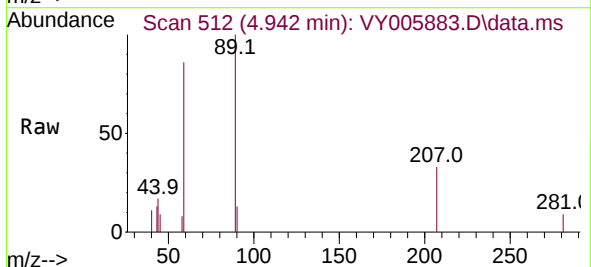
Instrument :  
MSVOA\_Y  
ClientSampled :

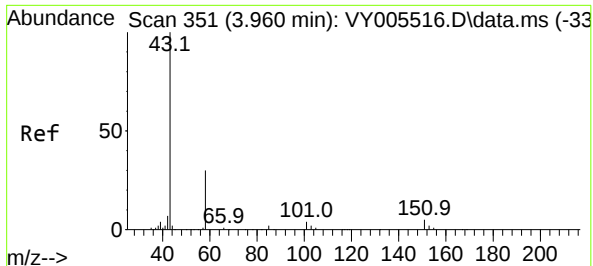
Tgt Ion:168 Resp: 160495  
Ion Ratio Lower Upper  
168 100  
99 49.9 38.9 58.3



#11  
Tert butyl alcohol  
Concen: 13.412 ug/l  
RT: 4.942 min Scan# 512  
Delta R.T. -0.025 min  
Lab File: VY005883.D  
Acq: 27 Aug 2021 15:05

Tgt Ion: 59 Resp: 2154  
Ion Ratio Lower Upper  
59 100  
57 0.0 8.0 12.0#

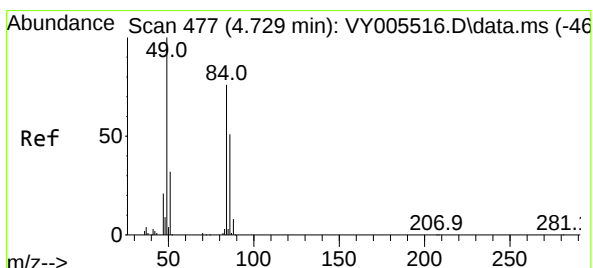
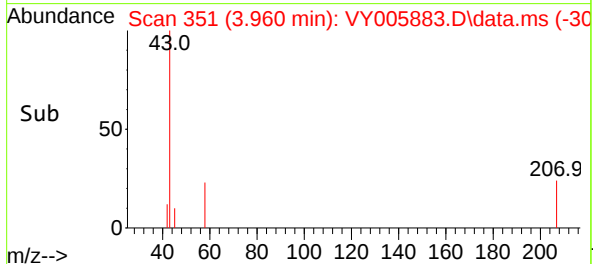
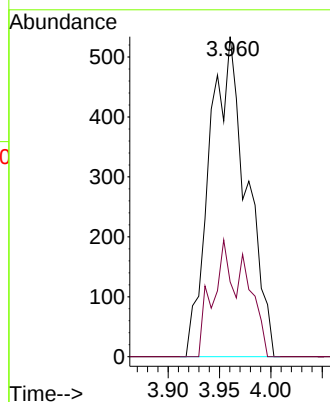
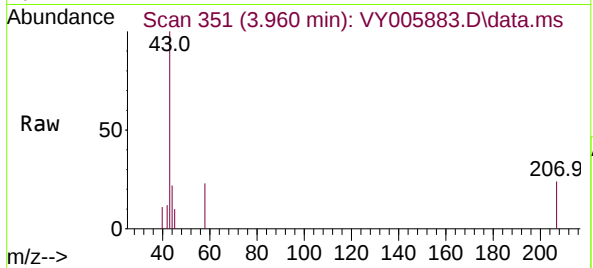




#16  
Acetone  
Concen: 3.274 ug/l  
RT: 3.960 min Scan# 351  
Delta R.T. -0.000 min  
Lab File: VY005883.D  
Acq: 27 Aug 2021 15:05

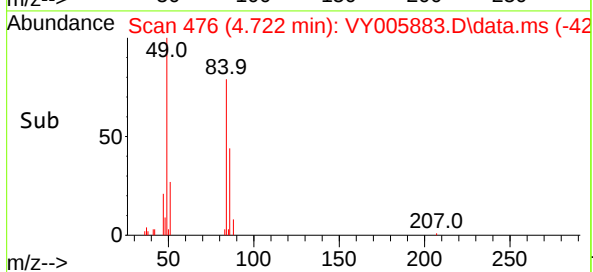
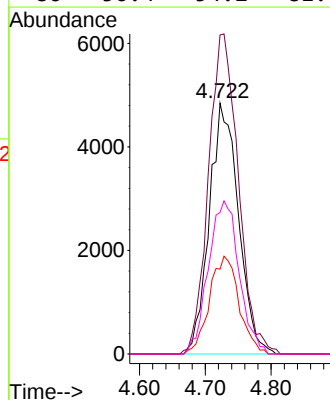
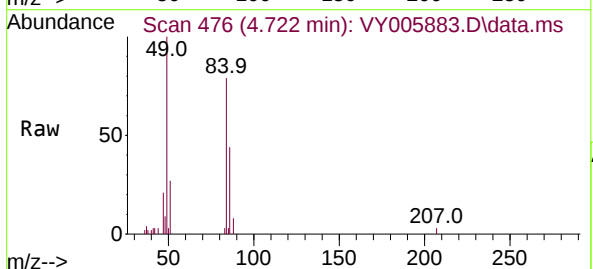
Instrument :  
MSVOA\_Y  
ClientSampled :

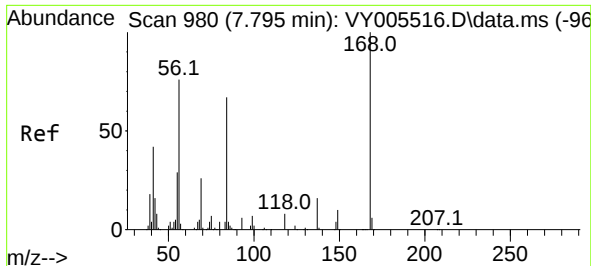
Tgt Ion: 43 Resp: 1341  
Ion Ratio Lower Upper  
43 100  
58 23.4 23.8 35.6#



#20  
Methylene Chloride  
Concen: 3.570 ug/l  
RT: 4.722 min Scan# 476  
Delta R.T. -0.007 min  
Lab File: VY005883.D  
Acq: 27 Aug 2021 15:05

Tgt Ion: 84 Resp: 14940  
Ion Ratio Lower Upper  
84 100  
49 127.3 105.8 158.6  
51 33.8 33.4 50.2  
86 56.4 54.2 81.4

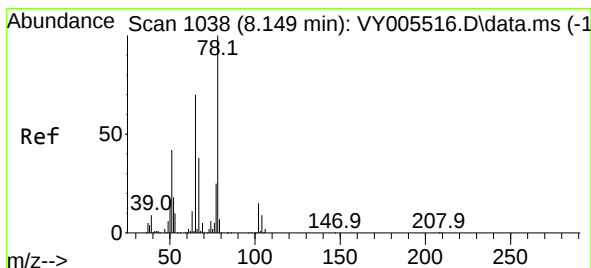
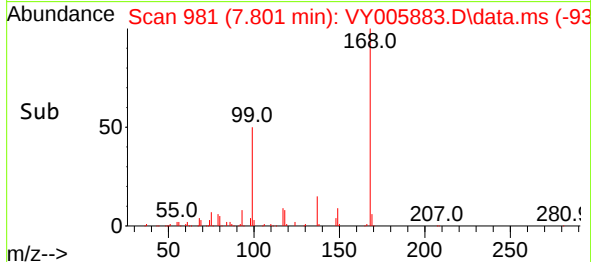
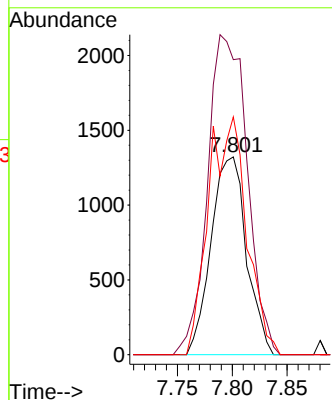
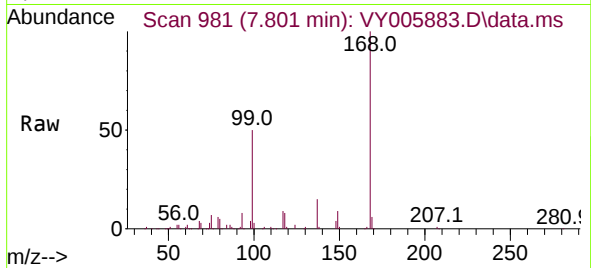




#31  
Cyclohexane  
Concen: 1.065 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY005883.D  
Acq: 27 Aug 2021 15:05

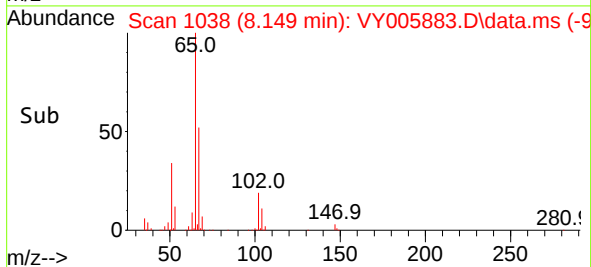
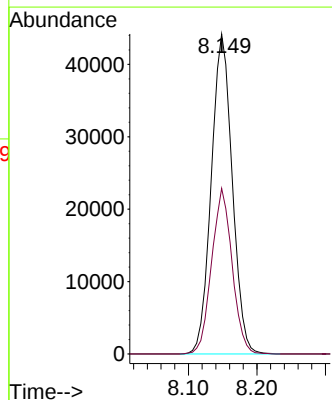
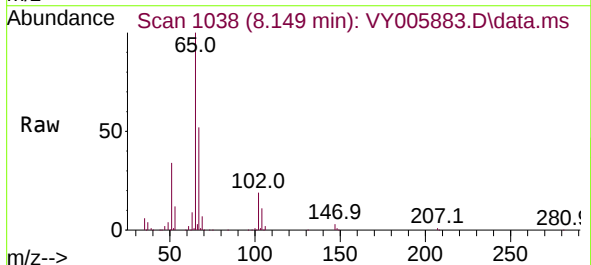
Instrument :  
MSVOA\_Y  
ClientSampled :

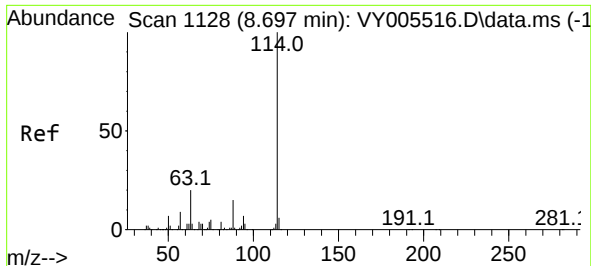
Tgt Ion: 56 Resp: 2968  
Ion Ratio Lower Upper  
56 100  
69 149.2 27.7 41.5#  
84 120.2 70.9 106.3#



#33  
1,2-Dichloroethane-d4  
Concen: 57.742 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005883.D  
Acq: 27 Aug 2021 15:05

Tgt Ion: 65 Resp: 93808  
Ion Ratio Lower Upper  
65 100  
67 50.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VY005883.D

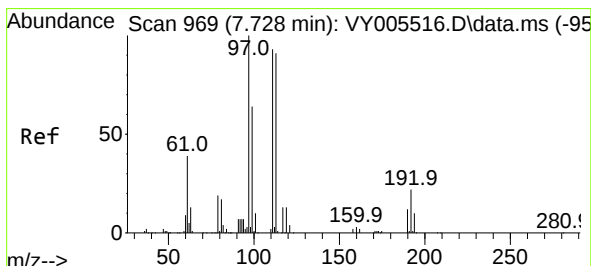
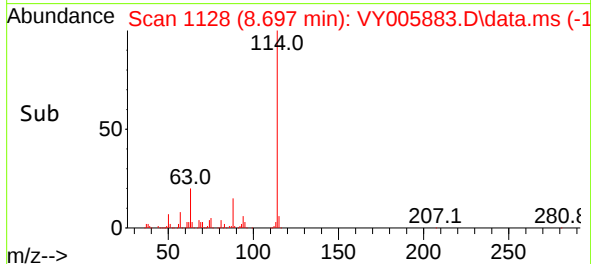
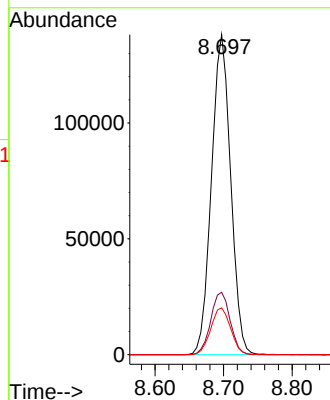
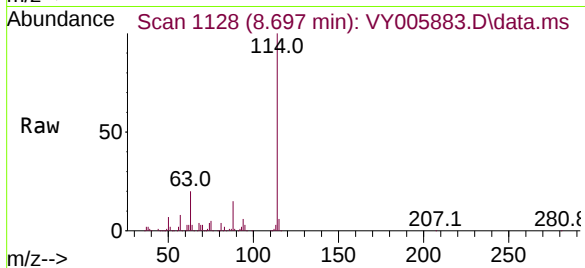
Acq: 27 Aug 2021 15:05

Instrument :

MSVOA\_Y

ClientSampled :

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 268756 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 19.5  | 0.0   | 39.2   |
| 88       | 14.6  | 0.0   | 30.8   |



#35

Dibromofluoromethane

Concen: 52.832 ug/l

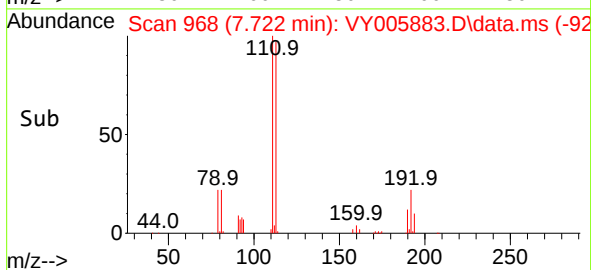
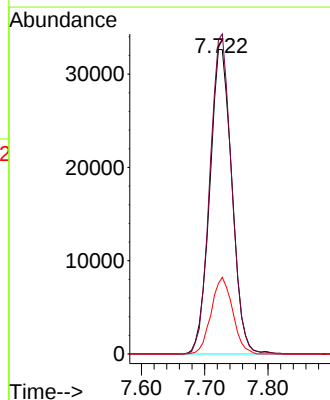
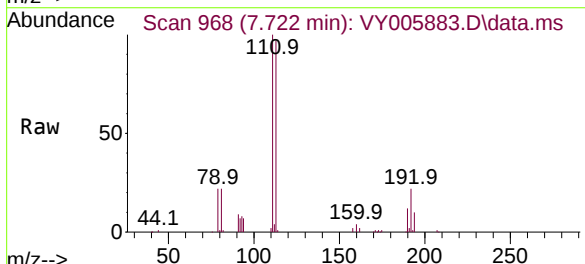
RT: 7.722 min Scan# 968

Delta R.T. -0.006 min

Lab File: VY005883.D

Acq: 27 Aug 2021 15:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 79496 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.6 | 81.9  | 122.9 |
| 192      | 24.3  | 19.2  | 28.8  |





#36

1,1-Dichloropropene

Concen: 4.626 ug/l

RT: 7.801 min Scan# 981

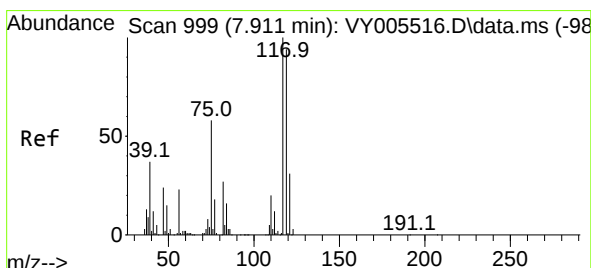
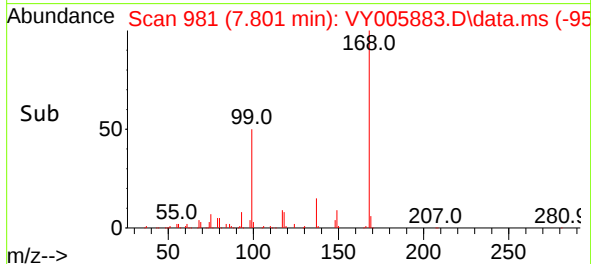
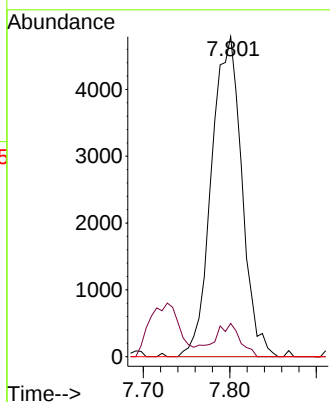
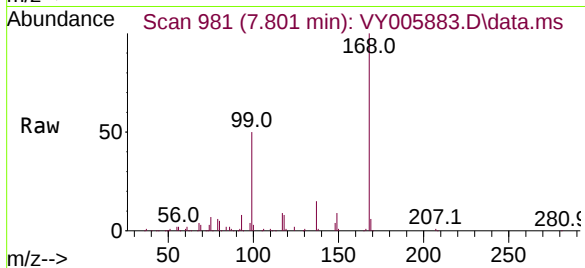
Delta R.T. -0.122 min

Lab File: VY005883.D

Acq: 27 Aug 2021 15:05

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 75    | Resp: | 11661 |
| Ion Ratio | Lower | Upper |       |
| 75        | 100   |       |       |
| 110       | 8.1   | 18.1  | 54.1# |
| 77        | 0.0   | 25.1  | 37.7# |

Instrument :  
MSVOA\_Y  
ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.092 ug/l

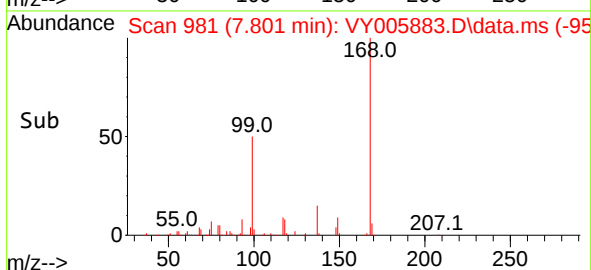
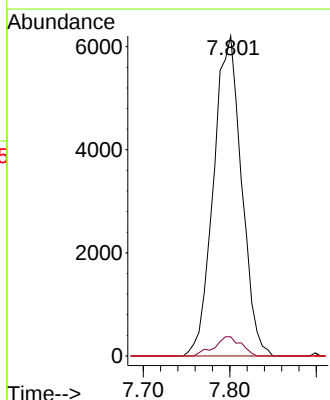
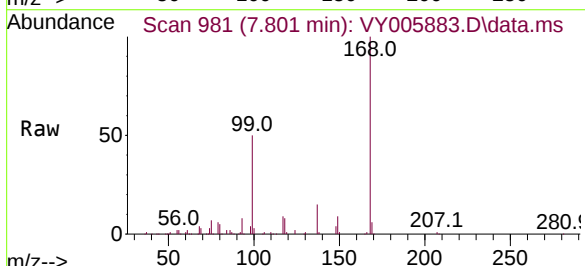
RT: 7.801 min Scan# 981

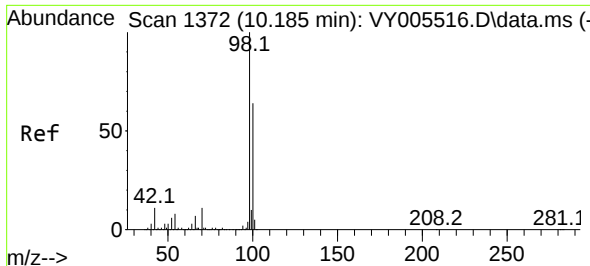
Delta R.T. -0.110 min

Lab File: VY005883.D

Acq: 27 Aug 2021 15:05

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 117   | Resp: | 13949  |
| Ion Ratio | Lower | Upper |        |
| 117       | 100   |       |        |
| 119       | 6.0   | 75.4  | 113.0# |
| 121       | 0.0   | 25.1  | 37.7#  |

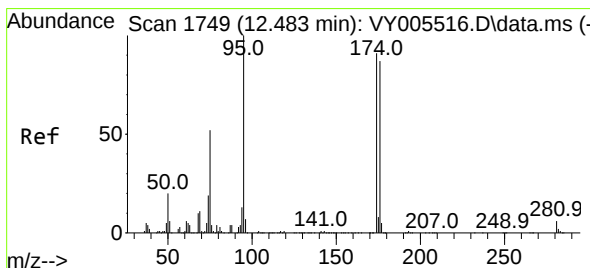
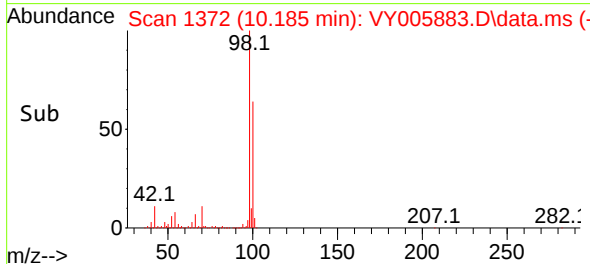
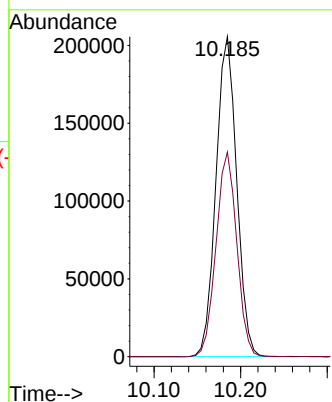
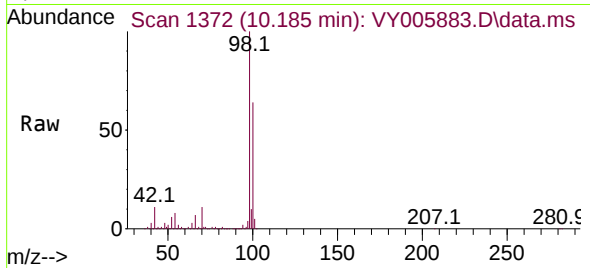




#50  
Toluene-d8  
Concen: 54.199 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005883.D  
Acq: 27 Aug 2021 15:05

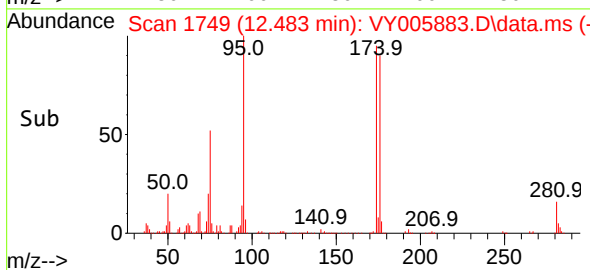
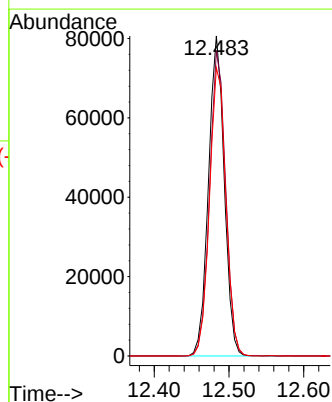
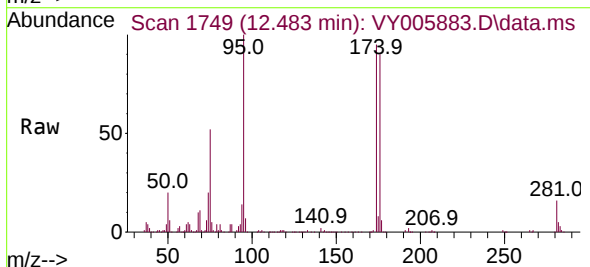
Instrument :  
MSVOA\_Y  
ClientSampleId :

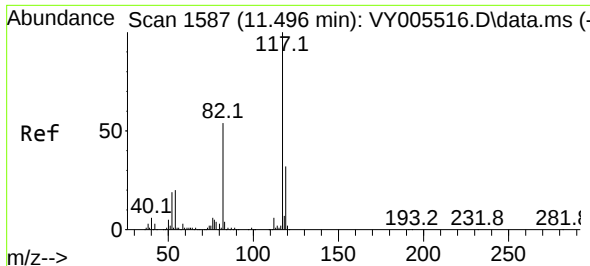
Tgt Ion: 98 Resp: 342026  
Ion Ratio Lower Upper  
98 100  
100 63.9 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 56.558 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005883.D  
Acq: 27 Aug 2021 15:05

Tgt Ion: 95 Resp: 118192  
Ion Ratio Lower Upper  
95 100  
174 97.2 0.0 191.4  
176 93.4 0.0 183.6

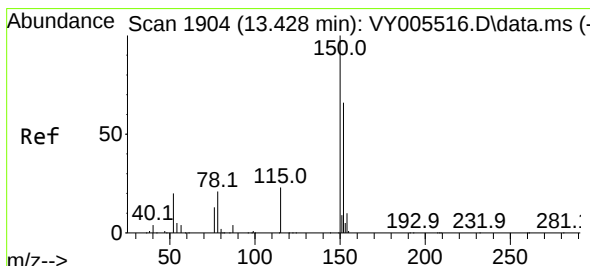
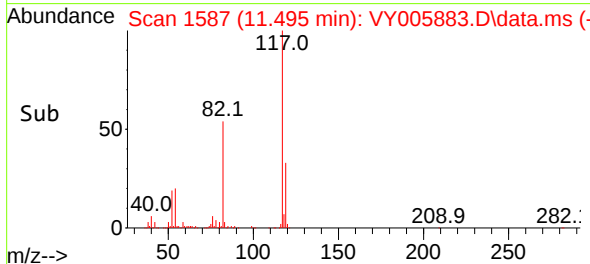
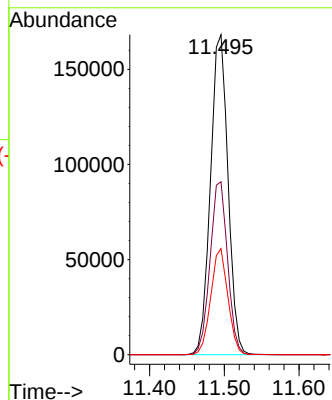
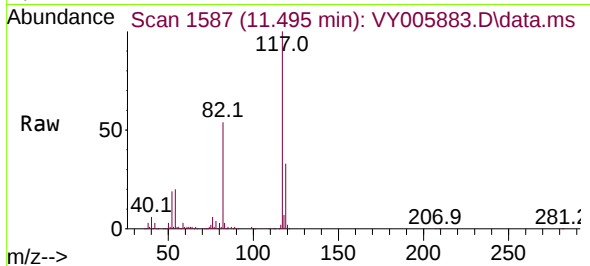




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.495 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005883.D  
Acq: 27 Aug 2021 15:05

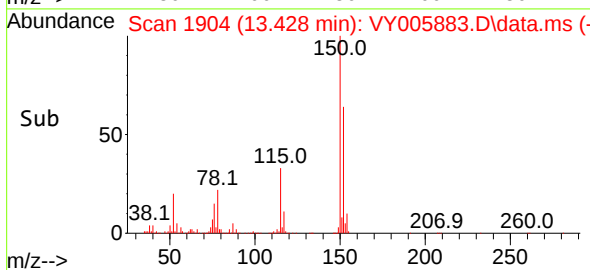
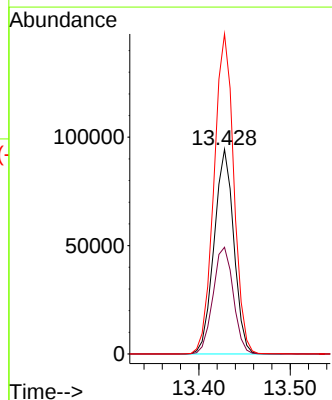
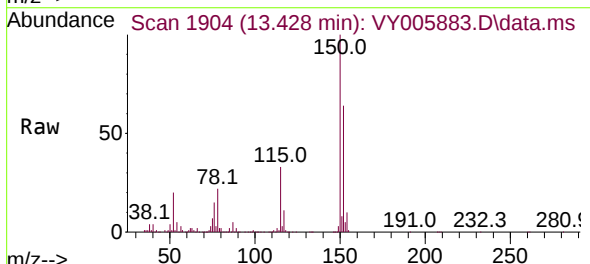
Instrument :  
MSVOA\_Y  
ClientSampleId :

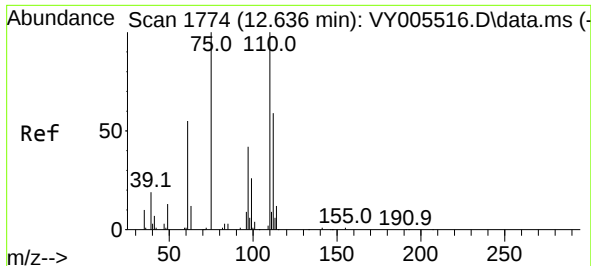
Tgt Ion:117 Resp: 273775  
Ion Ratio Lower Upper  
117 100  
82 54.1 43.5 65.3  
119 33.2 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005883.D  
Acq: 27 Aug 2021 15:05

Tgt Ion:152 Resp: 141359  
Ion Ratio Lower Upper  
152 100  
115 53.6 27.3 81.9  
150 157.5 0.0 350.2

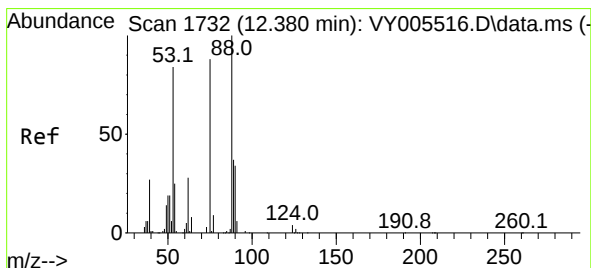
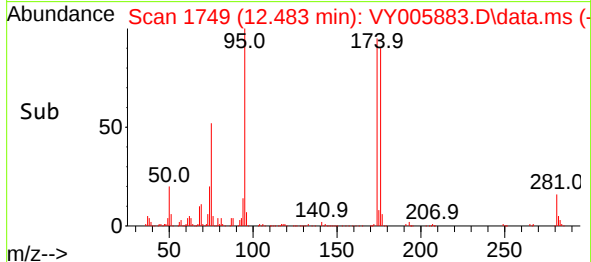
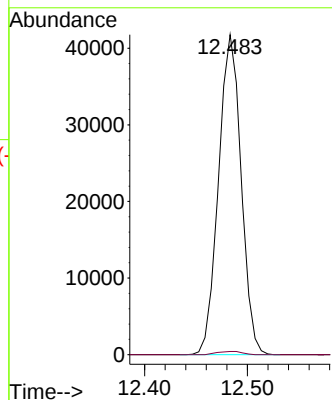
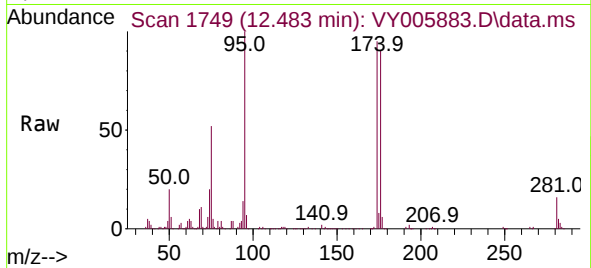




#76  
1,2,3-Trichloropropane  
Concen: 43.532 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.153 min  
Lab File: VY005883.D  
Acq: 27 Aug 2021 15:05

Instrument :  
MSVOA\_Y  
ClientSampled :

Tgt Ion: 75 Resp: 63769  
Ion Ratio Lower Upper  
75 100  
77 1.1 0.0 0.0#



#81  
trans-1,4-Dichloro-2-butene  
Concen: 87.754 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.103 min  
Lab File: VY005883.D  
Acq: 27 Aug 2021 15:05

Tgt Ion: 75 Resp: 63769  
Ion Ratio Lower Upper  
75 100  
53 0.1 76.7 115.1#  
89 0.1 38.4 57.6#

