

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014775.D
 Acq On : 24 Jul 2023 16:18
 Operator : SY/MD
 Sample : 03708-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-02-072023

Quant Time: Jul 25 01:29:33 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

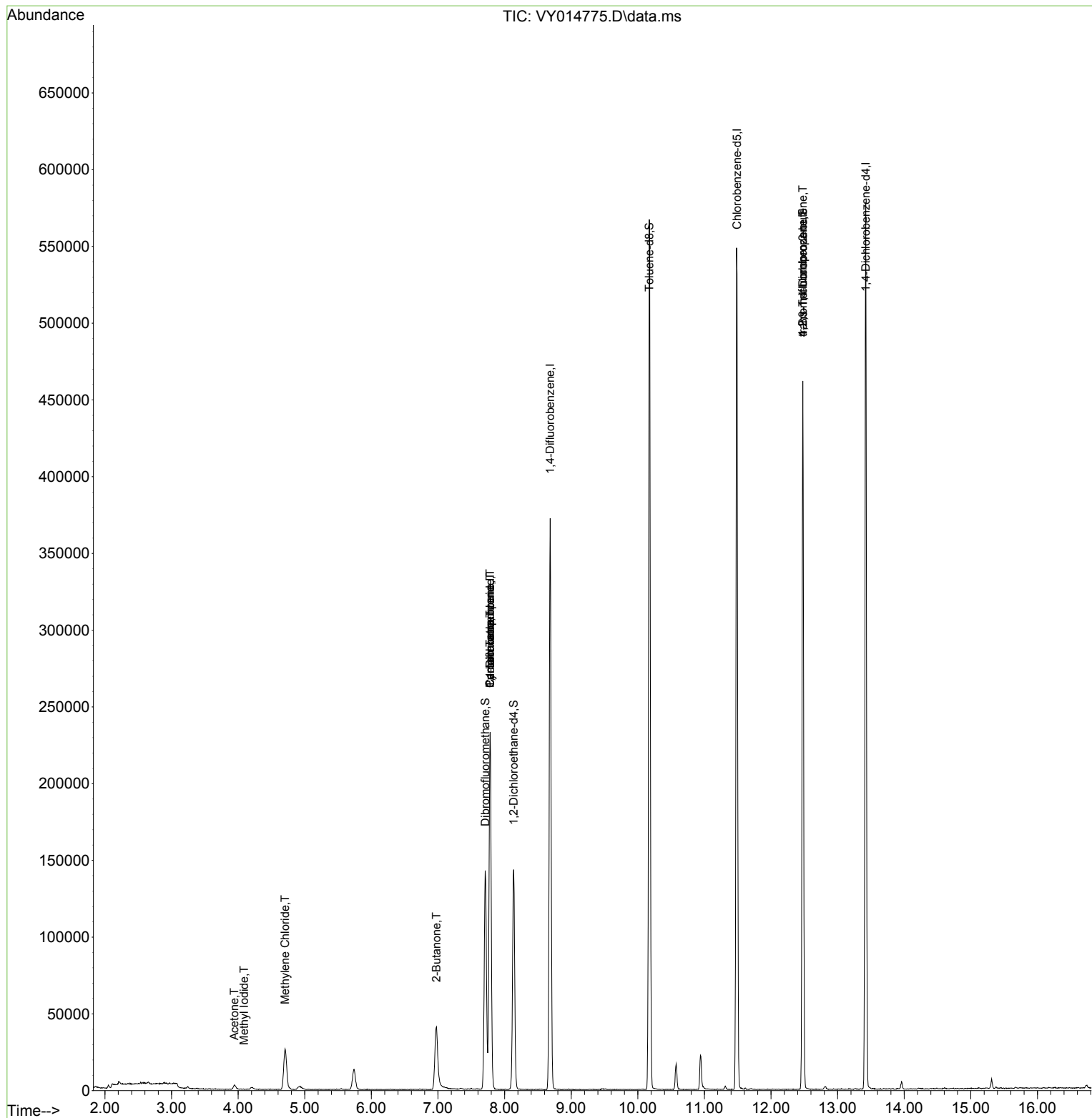
Internal Standards						
1) Pentafluorobenzene	7.783	168	182654	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	317036	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	302006	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	144500	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	111518	53.578	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.160%	
35) Dibromofluoromethane	7.710	113	100302	49.699	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.400%	
50) Toluene-d8	10.173	98	373243	50.163	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.320%	
62) 4-Bromofluorobenzene	12.477	95	140777	49.343	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 98.680%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.088	142	95	2.414	ug/l #	38
11) Tert butyl alcohol	4.918	59	1657	Below Cal	#	89
16) Acetone	3.942	43	5262	7.978	ug/l	97
20) Methylene Chloride	4.704	84	20605	5.891	ug/l	93
25) 2-Butanone	6.978	43	2709	2.807	ug/l #	75
31) Cyclohexane	7.783	56	3770	1.091	ug/l #	1
36) 1,1-Dichloropropene	7.783	75	14125	4.680	ug/l #	49
38) Carbon Tetrachloride	7.783	117	18502	5.799	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	73851	40.466	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	73851	78.350	ug/l #	11

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

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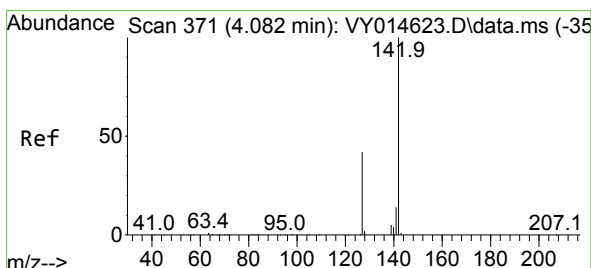
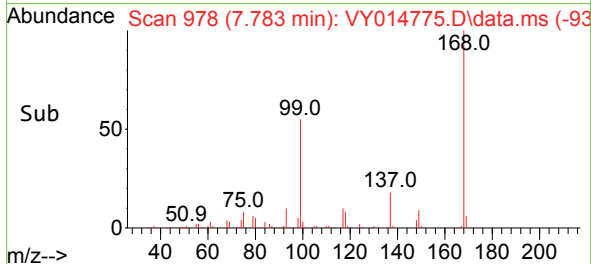
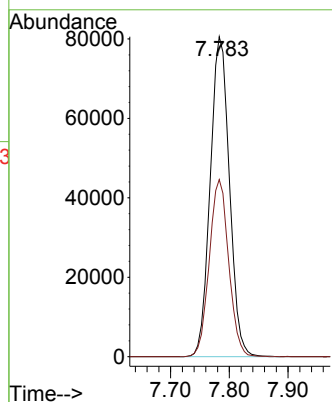
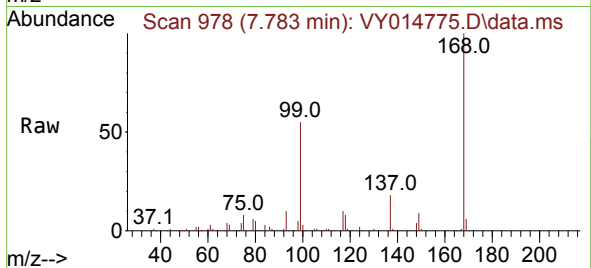




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014775.D
Acq: 24 Jul 2023 16:18

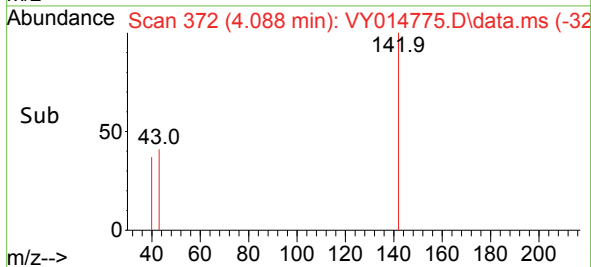
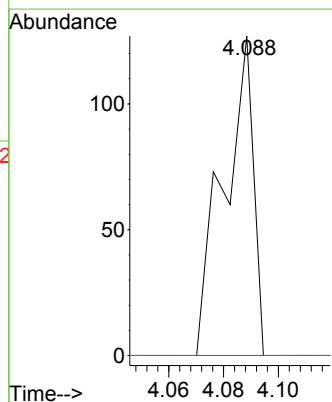
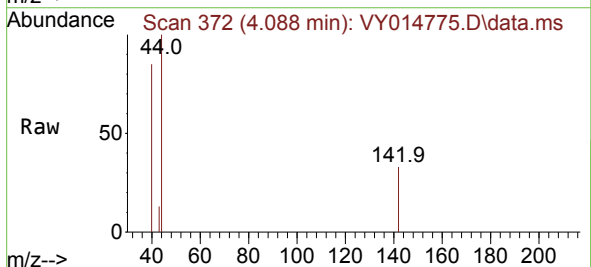
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-072023

Tgt Ion:168 Resp: 182654
Ion Ratio Lower Upper
168 100
99 55.3 43.4 65.0



#10
Methyl Iodide
Concen: 2.414 ug/l
RT: 4.088 min Scan# 372
Delta R.T. 0.006 min
Lab File: VY014775.D
Acq: 24 Jul 2023 16:18

Tgt Ion:142 Resp: 95
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#

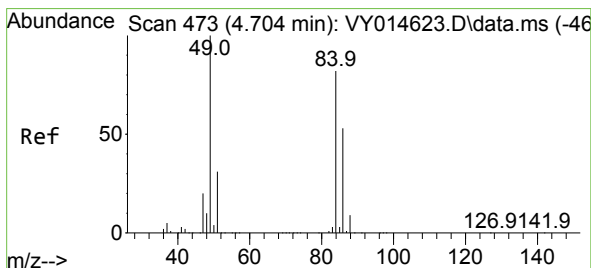
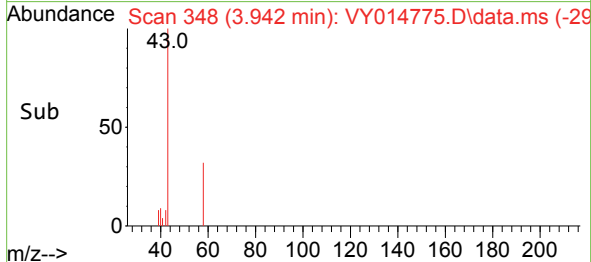
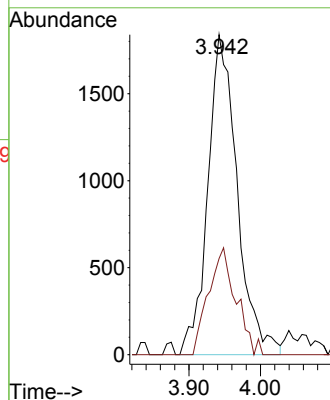
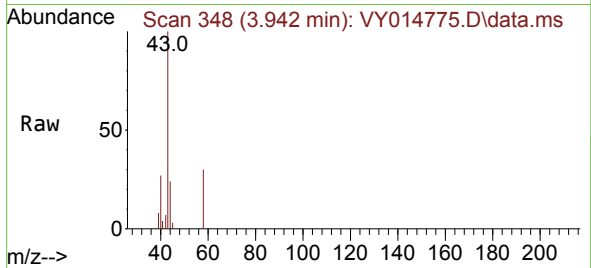




#16
Acetone
Concen: 7.978 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY014775.D
Acq: 24 Jul 2023 16:18

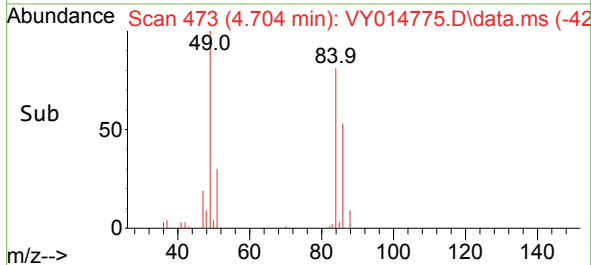
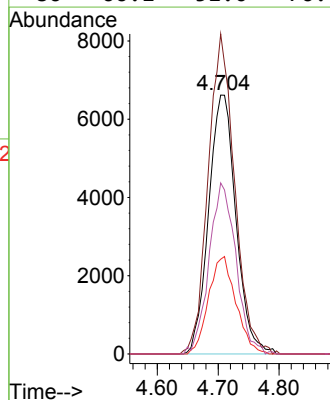
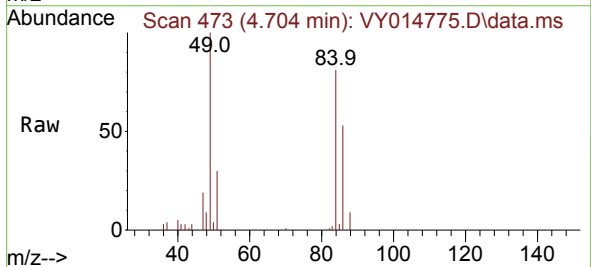
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-072023

Tgt Ion: 43 Resp: 5262
Ion Ratio Lower Upper
43 100
58 30.1 22.7 34.1



#20
Methylene Chloride
Concen: 5.891 ug/l
RT: 4.704 min Scan# 473
Delta R.T. 0.000 min
Lab File: VY014775.D
Acq: 24 Jul 2023 16:18

Tgt Ion: 84 Resp: 20605
Ion Ratio Lower Upper
84 100
49 123.6 106.9 160.3
51 36.6 33.2 49.8
86 66.1 51.0 76.6

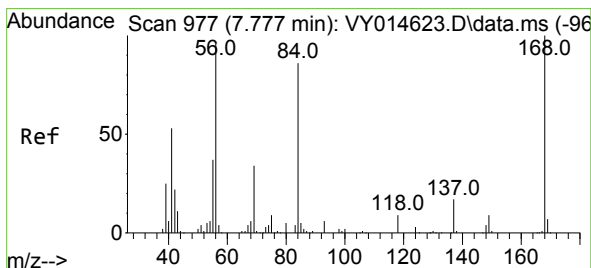
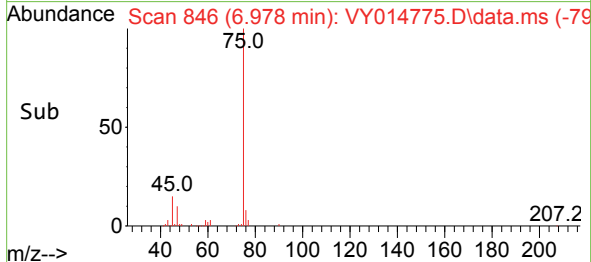
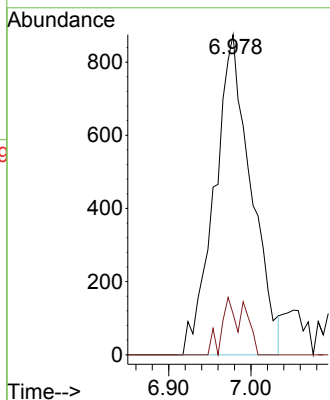
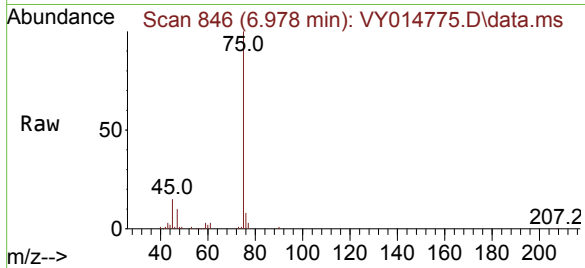




#25
2-Butanone
Concen: 2.807 ug/l
RT: 6.978 min Scan# 846
Delta R.T. 0.000 min
Lab File: VY014775.D
Acq: 24 Jul 2023 16:18

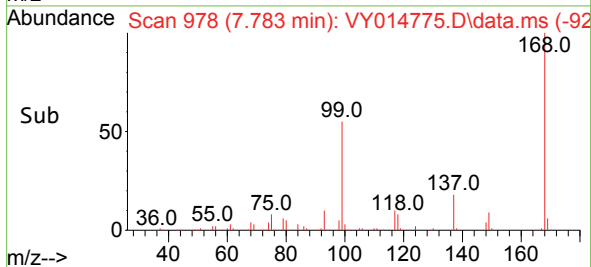
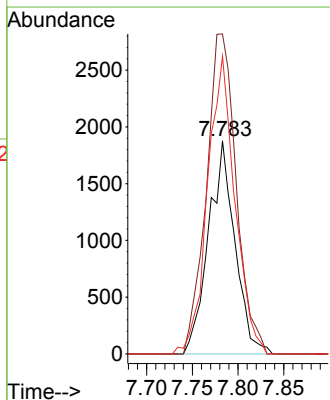
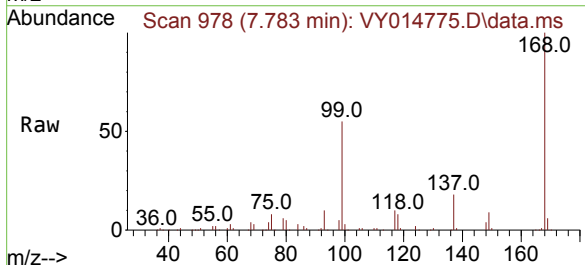
Instrument :
MSVOA_Y
ClientSampleId :
PL-02-072023

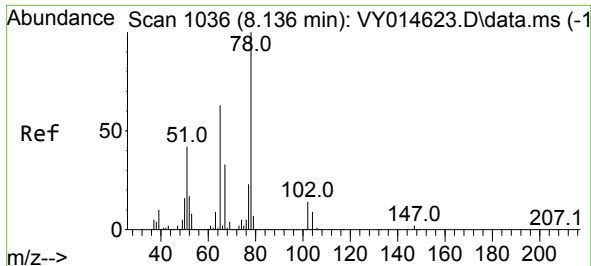
Tgt Ion: 43 Resp: 2709
Ion Ratio Lower Upper
43 100
72 12.8 20.5 30.7#



#31
Cyclohexane
Concen: 1.091 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014775.D
Acq: 24 Jul 2023 16:18

Tgt Ion: 56 Resp: 3770
Ion Ratio Lower Upper
56 100
69 150.2 27.8 41.6#
84 139.6 66.4 99.6#

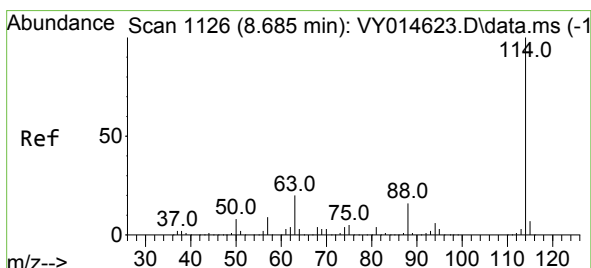
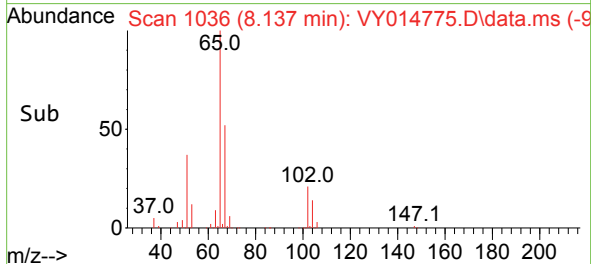
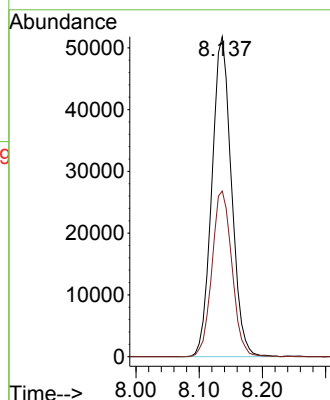
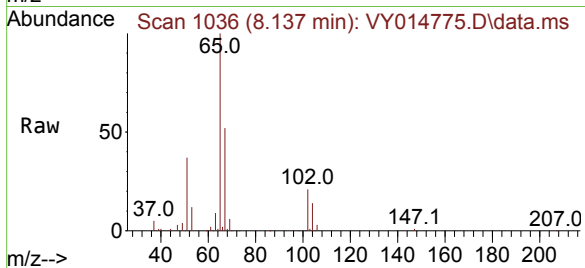




#33
 1,2-Dichloroethane-d4
 Concen: 53.578 ug/l
 RT: 8.137 min Scan# 110
 Delta R.T. 0.001 min
 Lab File: VY014775.D
 Acq: 24 Jul 2023 16:18

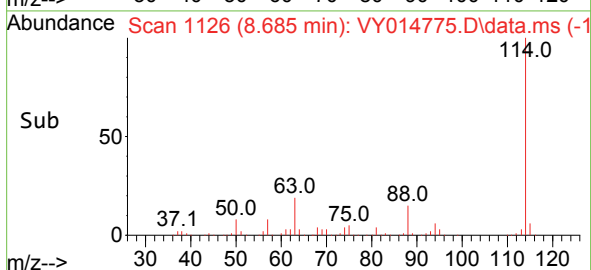
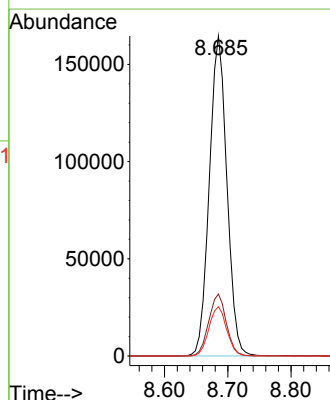
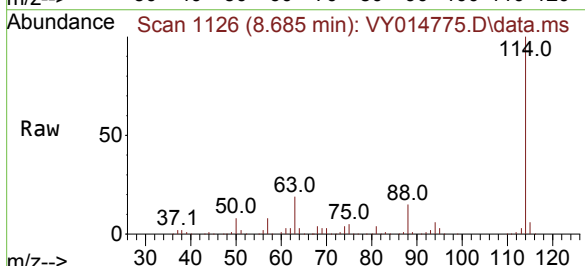
Instrument :
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 ClientSampleId :
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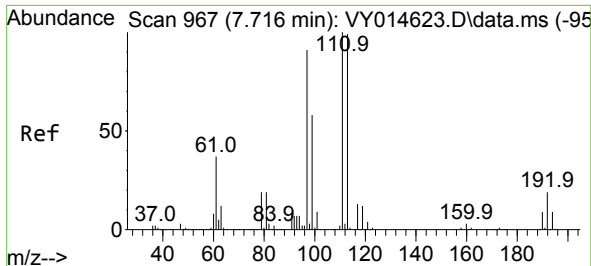
Tgt Ion: 65 Resp: 111518
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.685 min Scan# 1126
 Delta R.T. 0.000 min
 Lab File: VY014775.D
 Acq: 24 Jul 2023 16:18

Tgt Ion: 114 Resp: 317036
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 42.4
 88 15.4 0.0 30.6

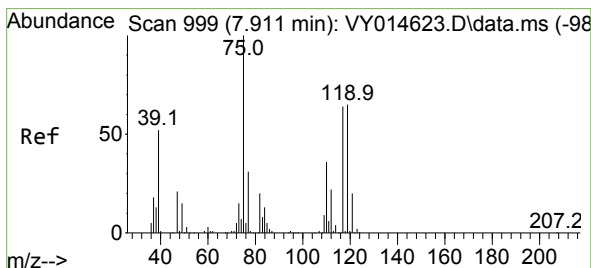
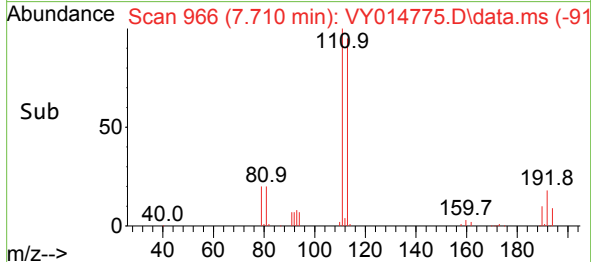
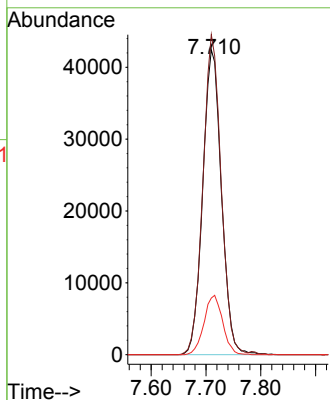
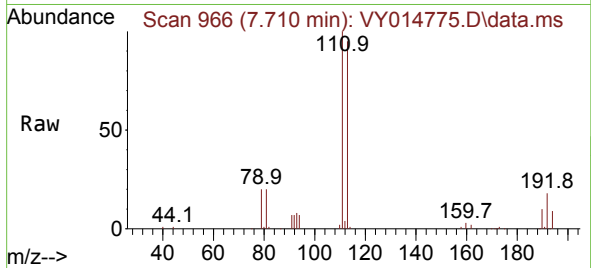




#35
 Dibromofluoromethane
 Concen: 49.699 ug/l
 RT: 7.710 min Scan# 910
 Delta R.T. -0.006 min
 Lab File: VY014775.D
 Acq: 24 Jul 2023 16:18

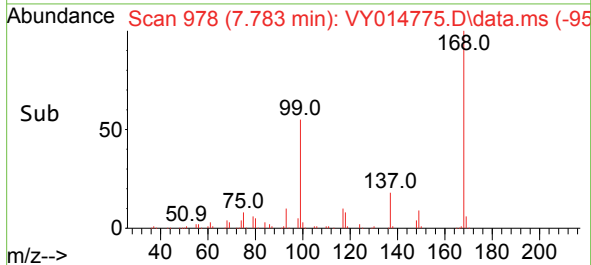
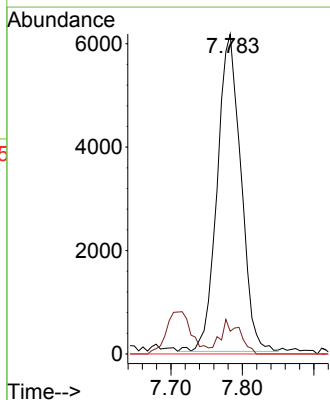
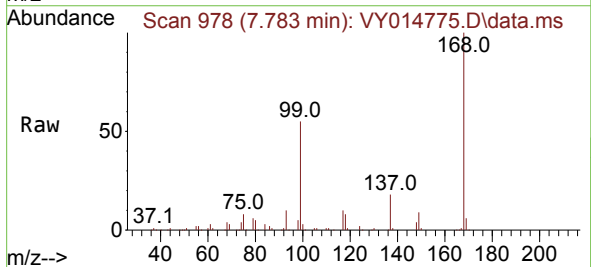
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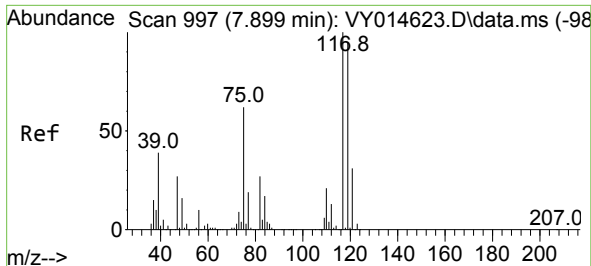
Tgt Ion:113 Resp: 100302
 Ion Ratio Lower Upper
 113 100
 111 102.1 81.3 121.9
 192 19.4 16.9 25.3



#36
 1,1-Dichloropropene
 Concen: 4.680 ug/l
 RT: 7.783 min Scan# 978
 Delta R.T. -0.128 min
 Lab File: VY014775.D
 Acq: 24 Jul 2023 16:18

Tgt Ion: 75 Resp: 14125
 Ion Ratio Lower Upper
 75 100
 110 8.7 17.8 53.5#
 77 0.0 24.4 36.6#

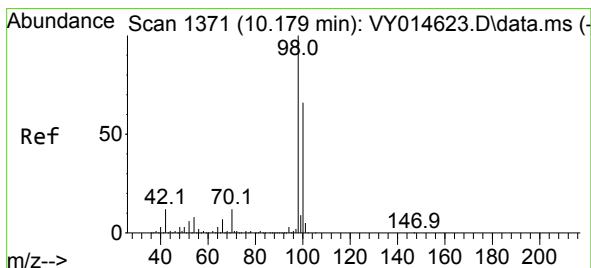
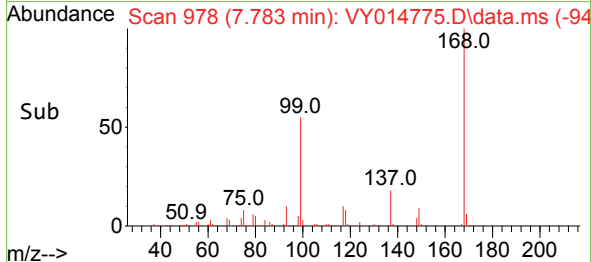
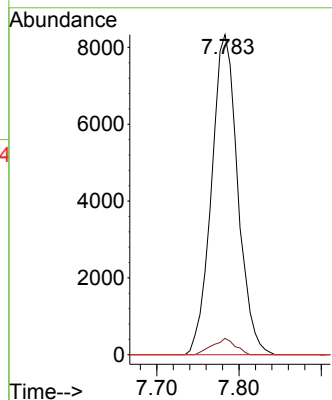
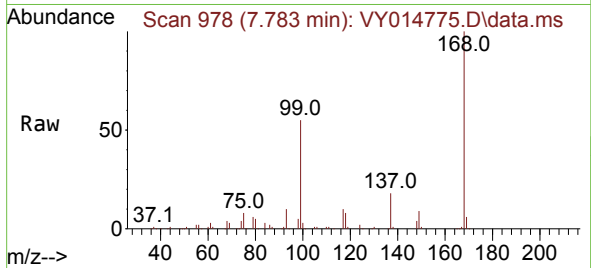




#38
Carbon Tetrachloride
Concen: 5.799 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014775.D
Acq: 24 Jul 2023 16:18

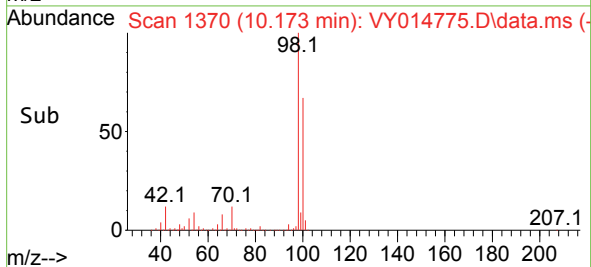
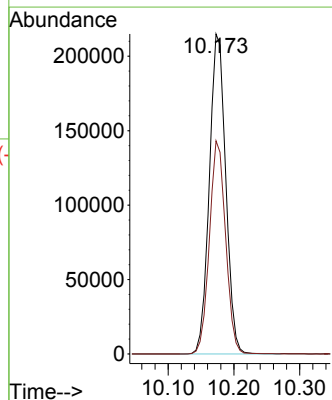
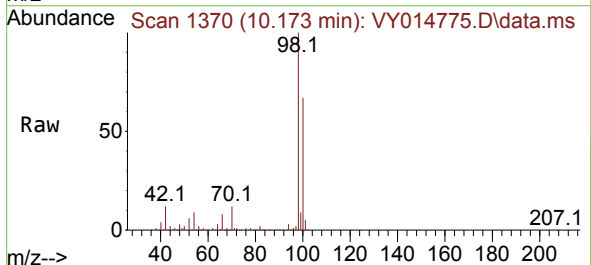
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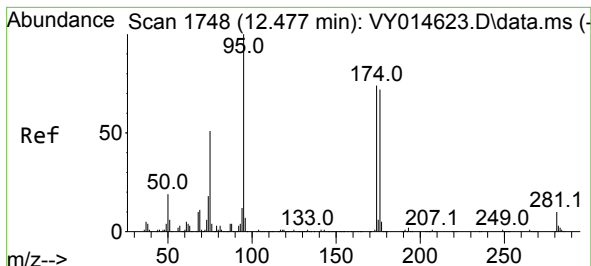
Tgt Ion:117 Resp: 18502
Ion Ratio Lower Upper
117 100
119 5.1 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 50.163 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY014775.D
Acq: 24 Jul 2023 16:18

Tgt Ion: 98 Resp: 373243
Ion Ratio Lower Upper
98 100
100 65.7 50.1 75.1

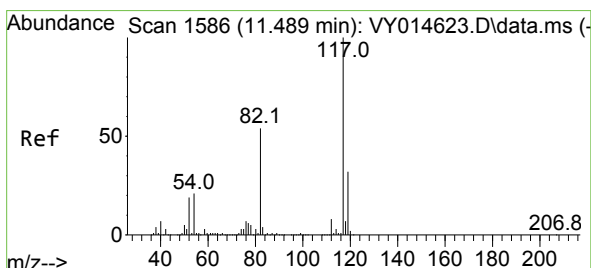
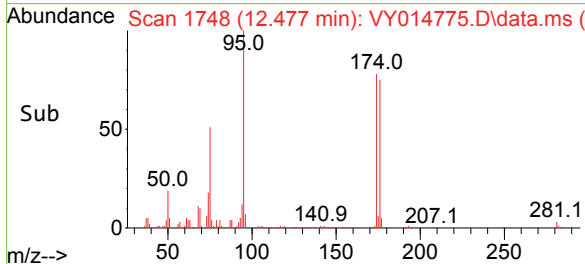
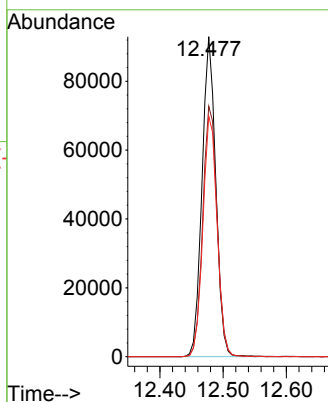
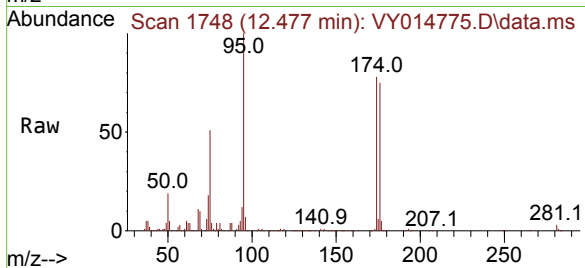




#62
4-Bromofluorobenzene
Concen: 49.343 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014775.D
Acq: 24 Jul 2023 16:18

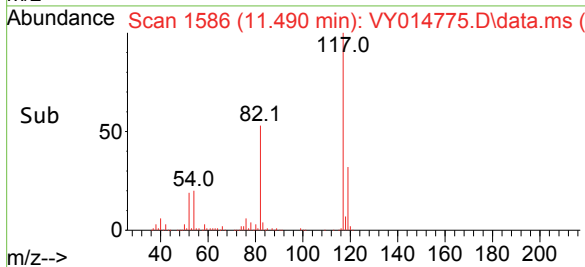
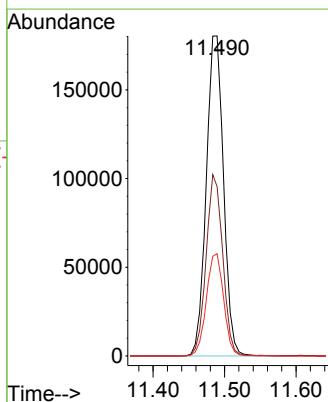
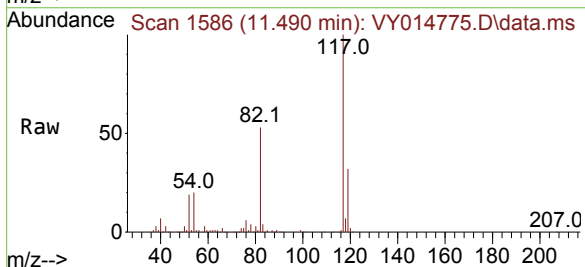
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MSVOA_Y
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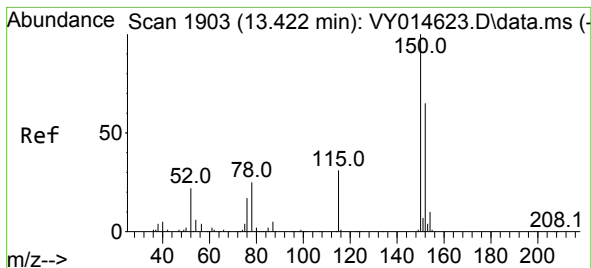
Tgt Ion: 95 Resp: 140777
Ion Ratio Lower Upper
95 100
174 82.0 0.0 178.2
176 77.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.001 min
Lab File: VY014775.D
Acq: 24 Jul 2023 16:18

Tgt Ion: 117 Resp: 302006
Ion Ratio Lower Upper
117 100
82 53.0 43.4 65.0
119 32.0 26.3 39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014775.D

Acq: 24 Jul 2023 16:18

Instrument :

MSVOA_Y

ClientSampleId :

PL-02-072023

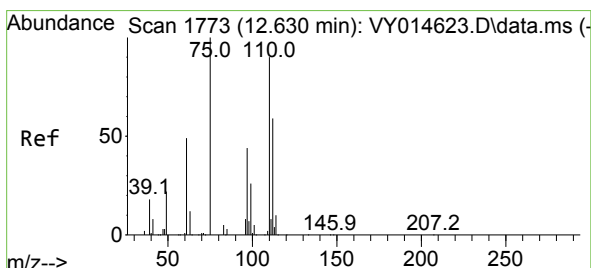
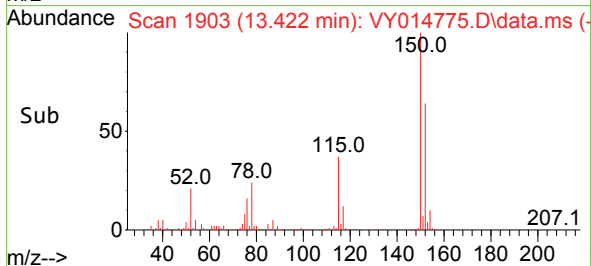
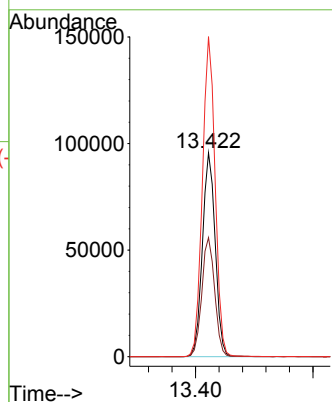
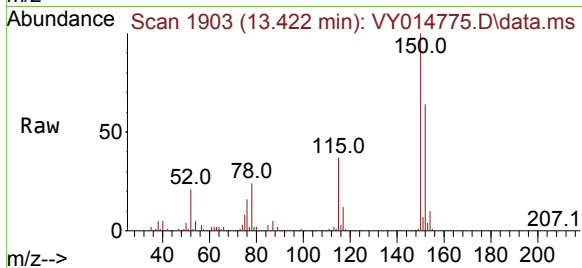
Tgt Ion:152 Resp: 144500

Ion Ratio Lower Upper

152 100

115 58.7 28.8 86.5

150 156.0 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.466 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014775.D

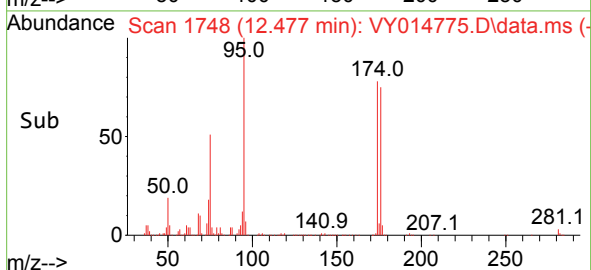
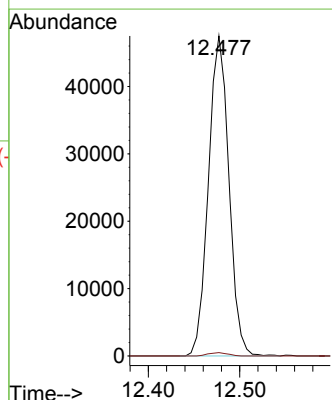
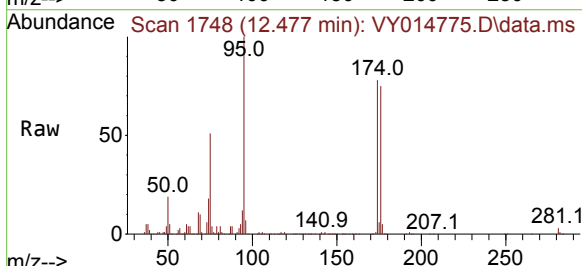
Acq: 24 Jul 2023 16:18

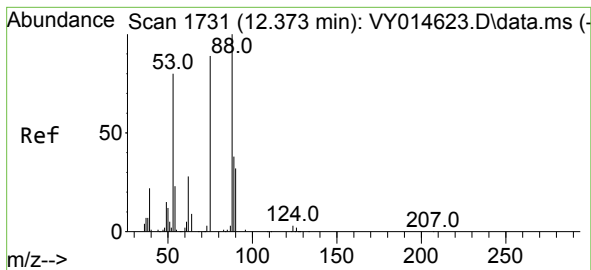
Tgt Ion: 75 Resp: 73851

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.350 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014775.D
 Acq: 24 Jul 2023 16:18

Instrument :
 MSVOA_Y
 ClientSampleId :
 PL-02-072023

Tgt Ion: 75 Resp: 73851
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.1 37.4 56.0#

