

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072423\
 Data File : VY014781.D
 Acq On : 24 Jul 2023 18:40
 Operator : SY/MD
 Sample : 03719-05
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P23A

Quant Time: Jul 25 01:32:02 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)

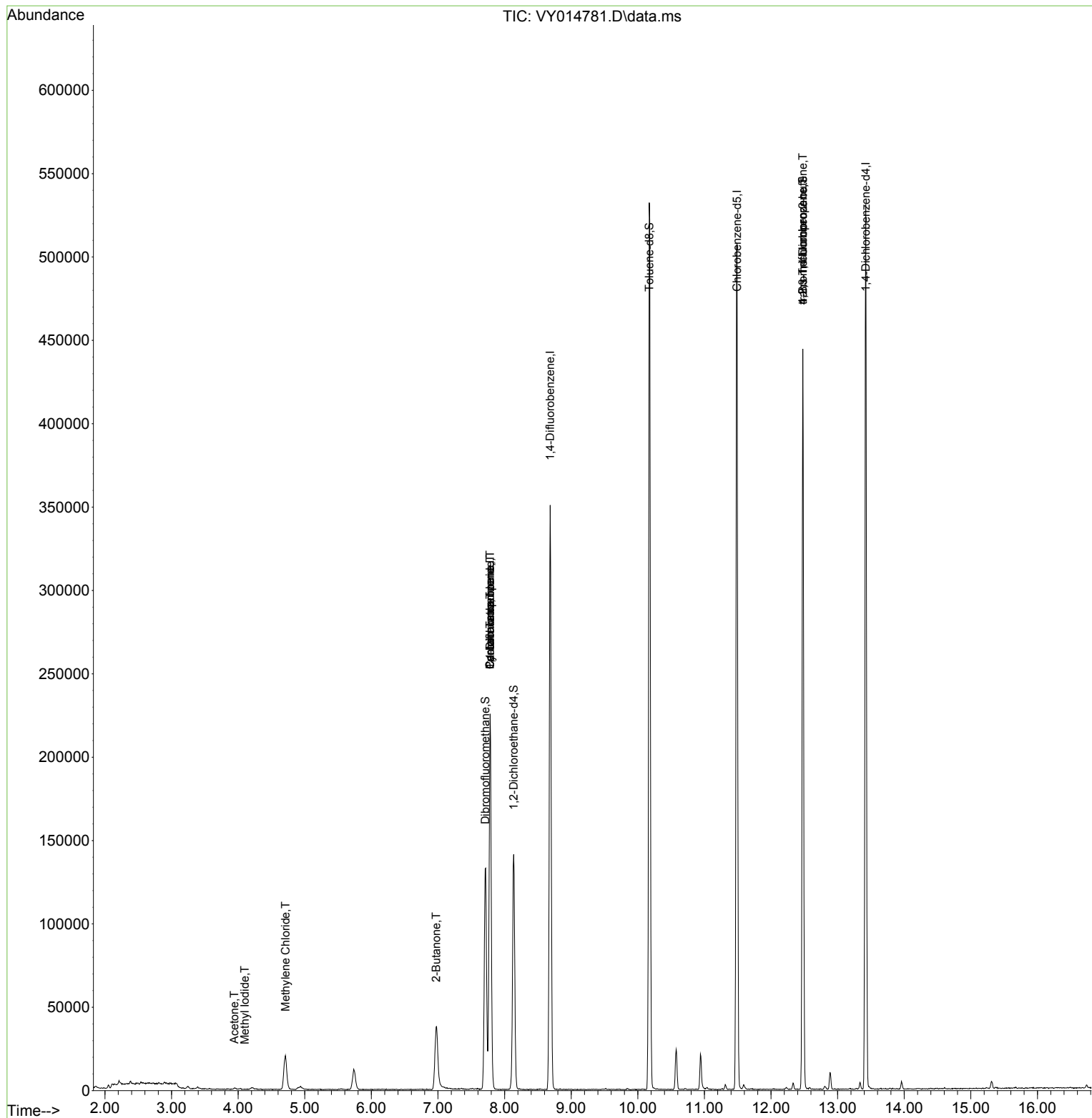
Internal Standards						
1) Pentafluorobenzene	7.783	168	171829	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	301090	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	286087	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	135744	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	109666	56.008	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.020%
35) Dibromofluoromethane	7.710	113	94045	49.067	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.140%
50) Toluene-d8	10.173	98	352426	49.874	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.740%
62) 4-Bromofluorobenzene	12.477	95	132427	48.875	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.760%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.101	142	88	2.413	ug/l #	38
11) Tert butyl alcohol	4.936	59	2701	Below Cal	#	93
16) Acetone	3.942	43	1247	2.010	ug/l #	83
20) Methylene Chloride	4.710	84	15688	3.889	ug/l #	85
25) 2-Butanone	6.972	43	2186	2.408	ug/l #	66
31) Cyclohexane	7.783	56	3613	1.112	ug/l #	12
36) 1,1-Dichloropropene	7.783	75	13652	4.763	ug/l #	49
38) Carbon Tetrachloride	7.783	117	16450	5.429	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	69573	40.581	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	69573	78.573	ug/l #	10

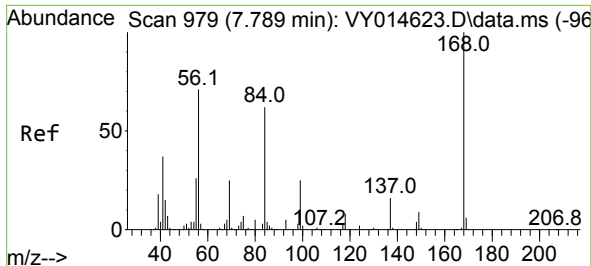
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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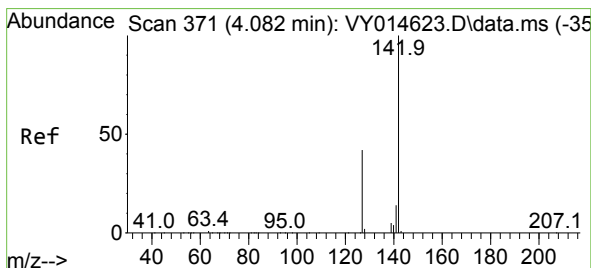
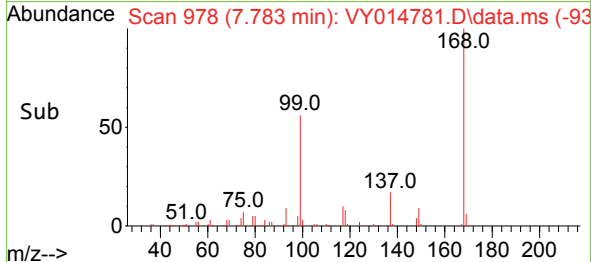
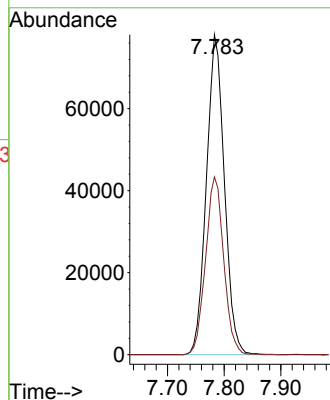
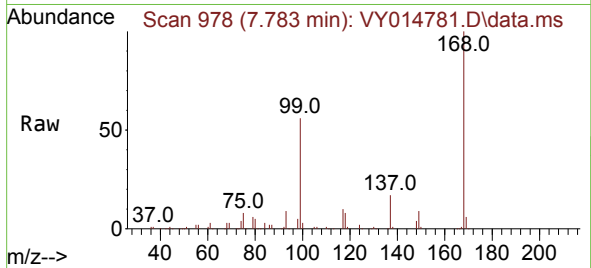




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014781.D
Acq: 24 Jul 2023 18:40

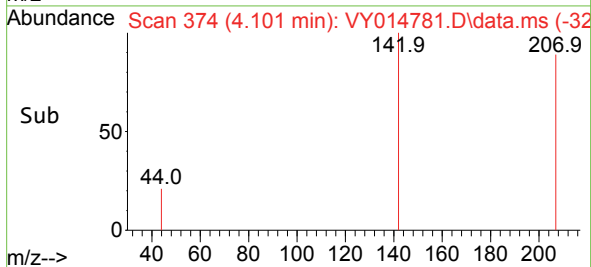
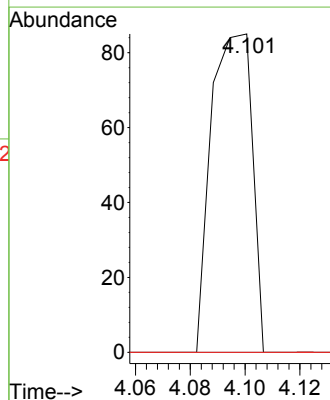
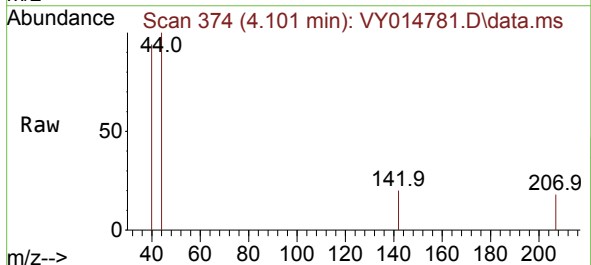
Instrument :
MSVOA_Y
ClientSampleId :
B-P23A

Tgt Ion:168 Resp: 171829
Ion Ratio Lower Upper
168 100
99 55.6 43.4 65.0



#10
Methyl Iodide
Concen: 2.413 ug/l
RT: 4.101 min Scan# 374
Delta R.T. 0.019 min
Lab File: VY014781.D
Acq: 24 Jul 2023 18:40

Tgt Ion:142 Resp: 88
Ion Ratio Lower Upper
142 100
127 0.0 37.6 56.4#
141 0.0 11.8 17.8#





#16

Acetone

Concen: 2.010 ug/l

RT: 3.942 min Scan# 348

Delta R.T. 0.000 min

Lab File: VY014781.D

Acq: 24 Jul 2023 18:40

Instrument :

MSVOA_Y

ClientSampleId :

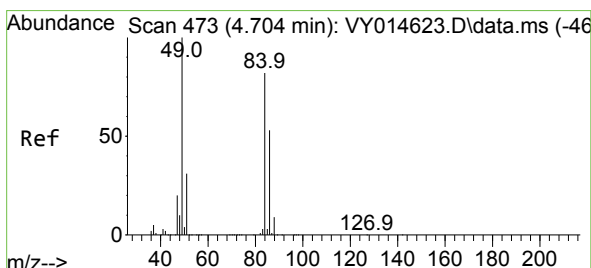
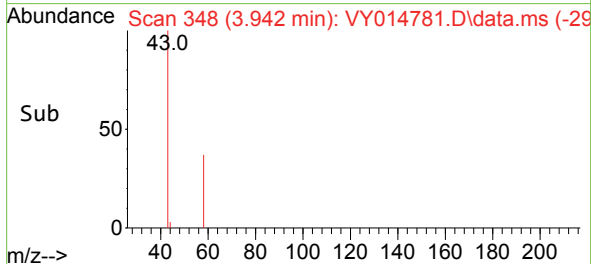
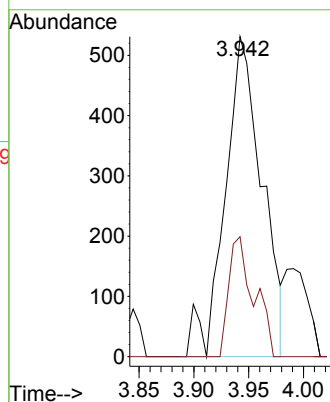
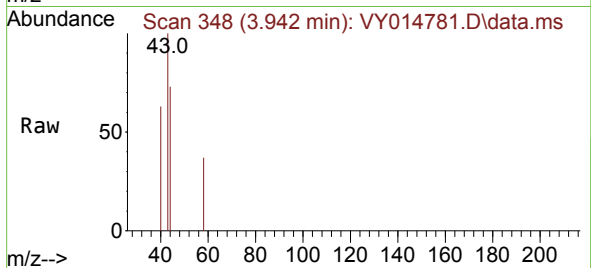
B-P23A

Tgt Ion: 43 Resp: 1247

Ion Ratio Lower Upper

43 100

58 37.5 22.7 34.1#



#20

Methylene Chloride

Concen: 3.889 ug/l

RT: 4.710 min Scan# 474

Delta R.T. 0.006 min

Lab File: VY014781.D

Acq: 24 Jul 2023 18:40

Tgt Ion: 84 Resp: 15688

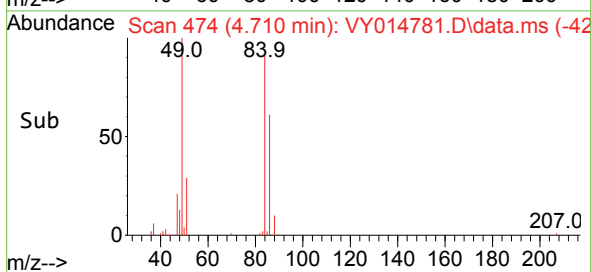
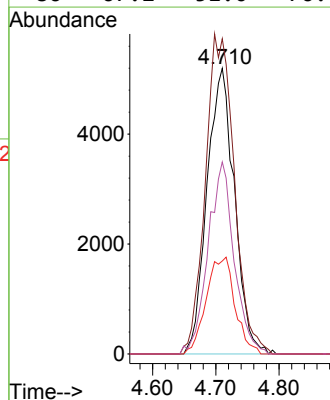
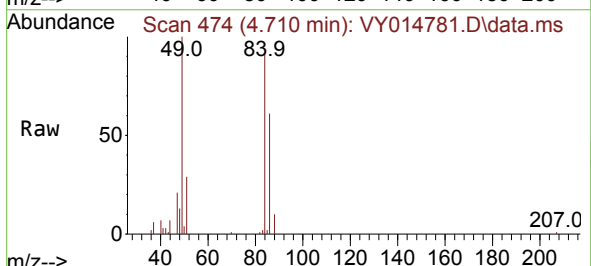
Ion Ratio Lower Upper

84 100

49 110.4 106.9 160.3

51 32.5 33.2 49.8#

86 67.2 51.0 76.6

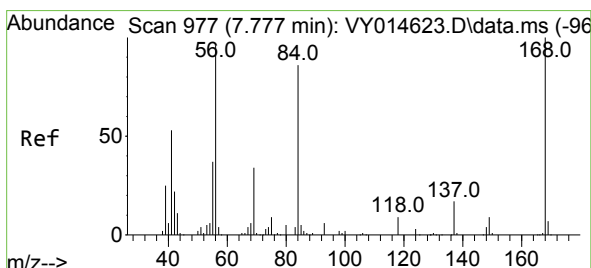
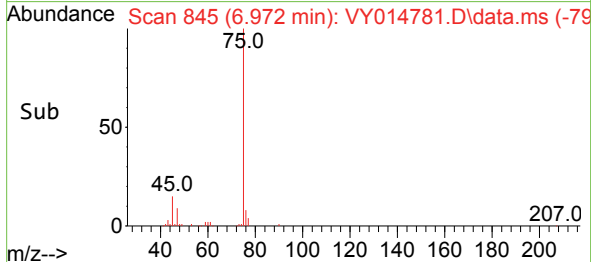
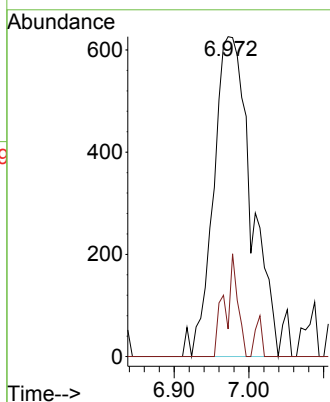
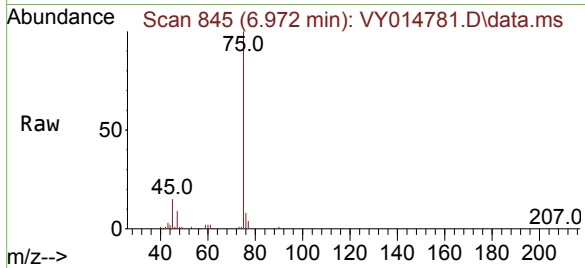




#25
2-Butanone
Concen: 2.408 ug/l
RT: 6.972 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY014781.D
Acq: 24 Jul 2023 18:40

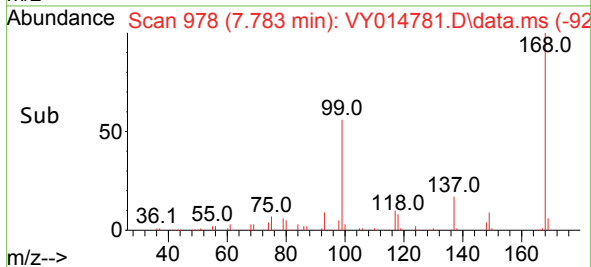
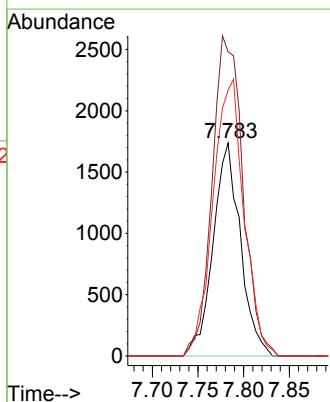
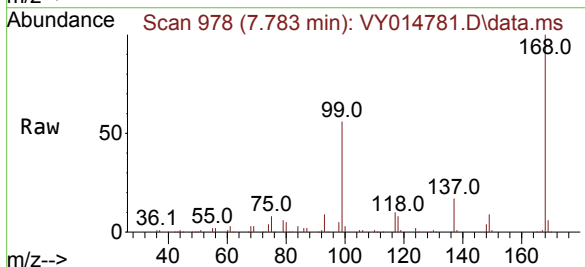
Instrument :
MSVOA_Y
ClientSampleId :
B-P23A

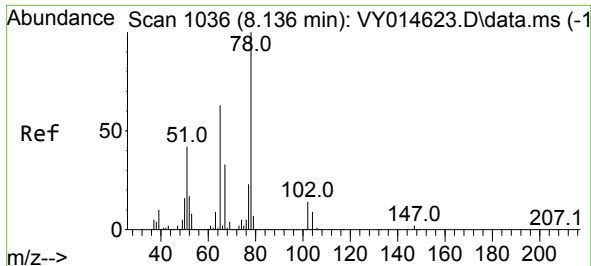
Tgt Ion: 43 Resp: 2186
Ion Ratio Lower Upper
43 100
72 8.6 20.5 30.7#



#31
Cyclohexane
Concen: 1.112 ug/l
RT: 7.783 min Scan# 978
Delta R.T. 0.006 min
Lab File: VY014781.D
Acq: 24 Jul 2023 18:40

Tgt Ion: 56 Resp: 3613
Ion Ratio Lower Upper
56 100
69 142.8 27.8 41.6#
84 124.8 66.4 99.6#





#33

1,2-Dichloroethane-d4

Concen: 56.008 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. 0.000 min

Lab File: VY014781.D

Acq: 24 Jul 2023 18:40

Instrument :

MSVOA_Y

ClientSampleId :

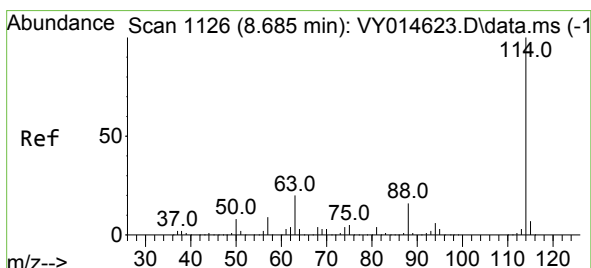
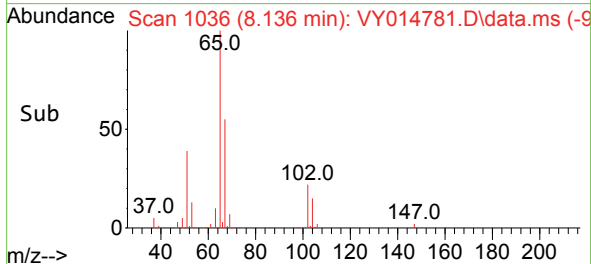
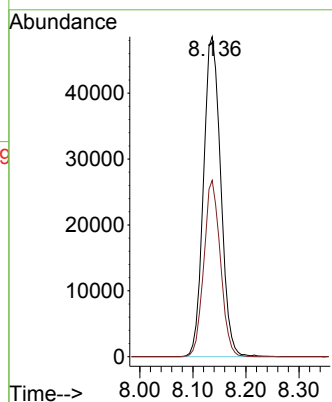
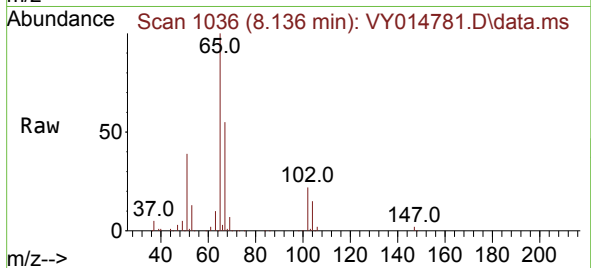
B-P23A

Tgt Ion: 65 Resp: 109666

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: VY014781.D

Acq: 24 Jul 2023 18:40

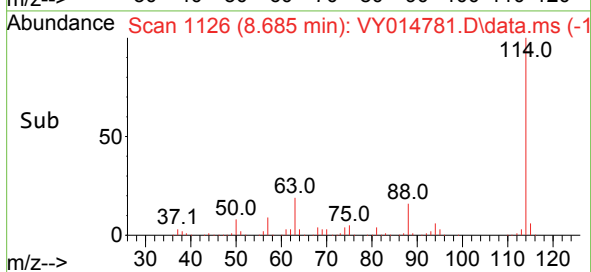
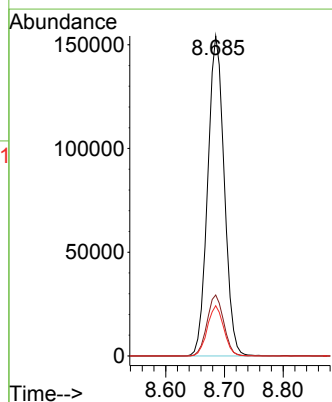
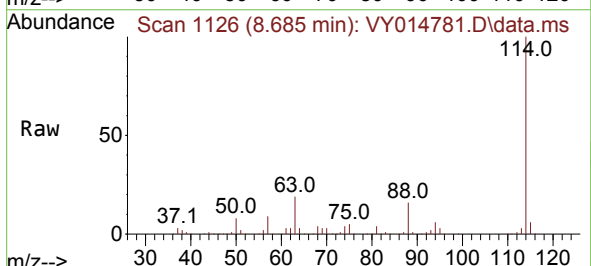
Tgt Ion: 114 Resp: 301090

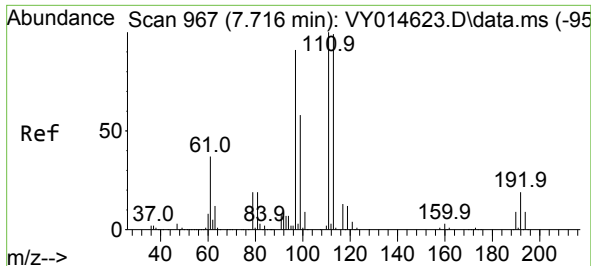
Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.4

88 15.7 0.0 30.6

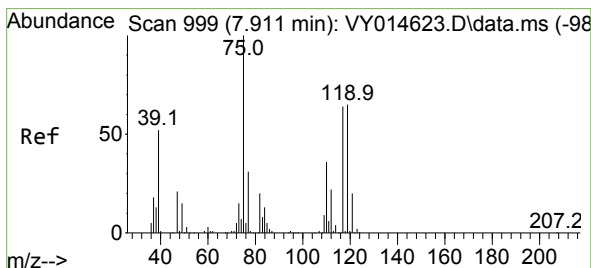
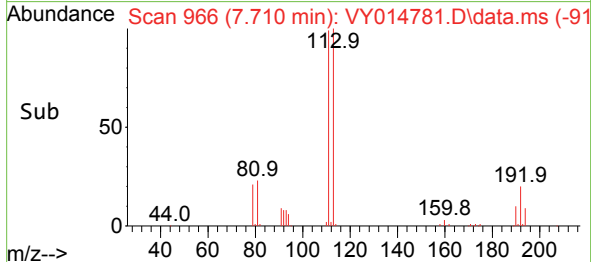
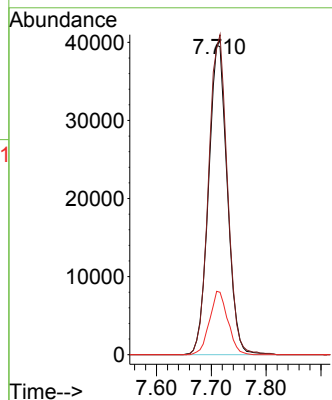
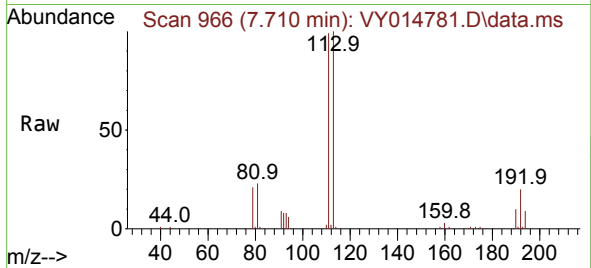




#35
Dibromofluoromethane
Concen: 49.067 ug/l
RT: 7.710 min Scan# 910
Delta R.T. -0.006 min
Lab File: VY014781.D
Acq: 24 Jul 2023 18:40

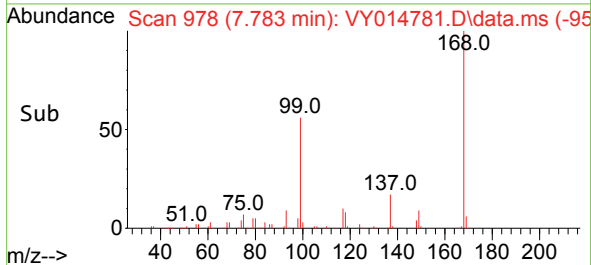
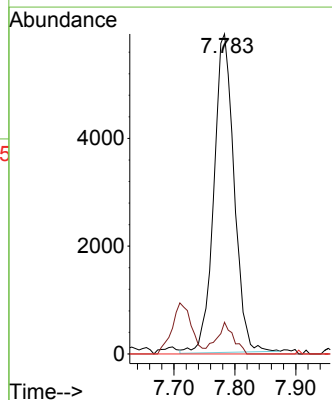
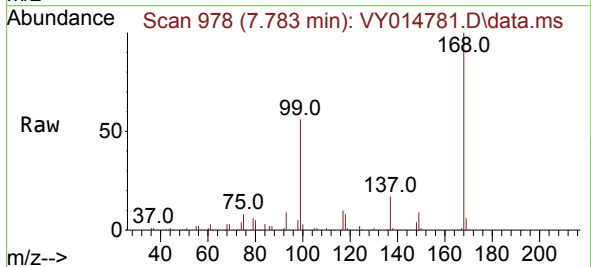
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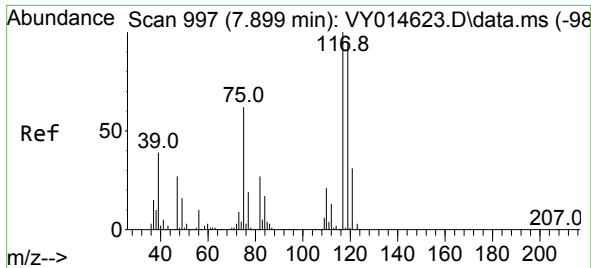
Tgt Ion:113 Resp: 94045
Ion Ratio Lower Upper
113 100
111 103.5 81.3 121.9
192 19.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.763 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY014781.D
Acq: 24 Jul 2023 18:40

Tgt Ion: 75 Resp: 13652
Ion Ratio Lower Upper
75 100
110 8.0 17.8 53.5#
77 0.0 24.4 36.6#

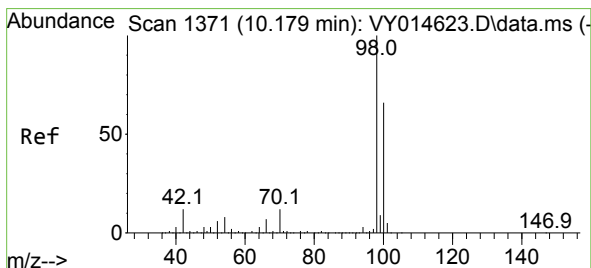
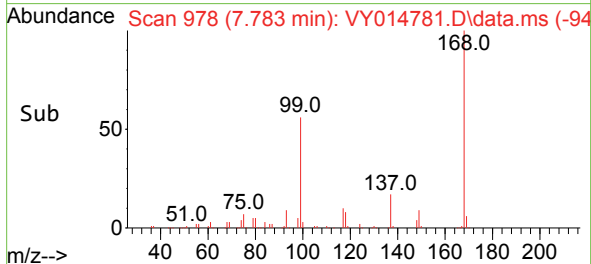
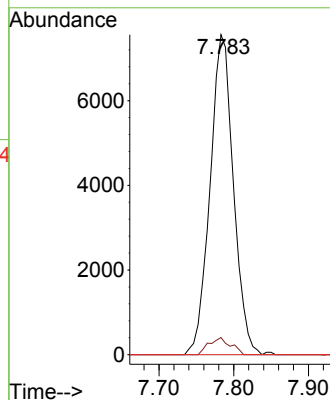
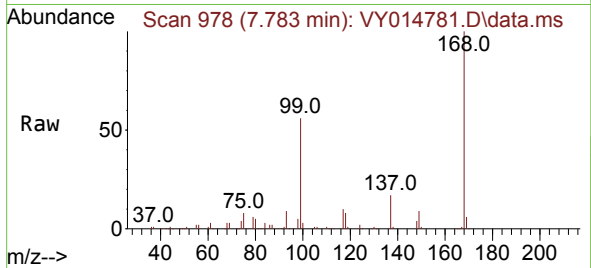




#38
Carbon Tetrachloride
Concen: 5.429 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY014781.D
Acq: 24 Jul 2023 18:40

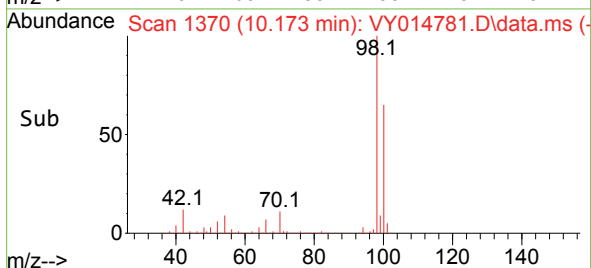
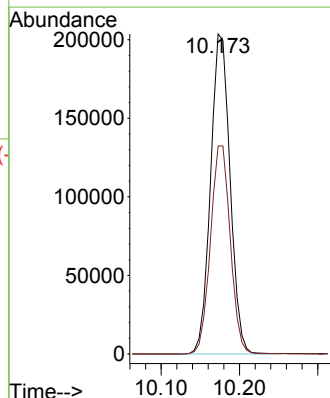
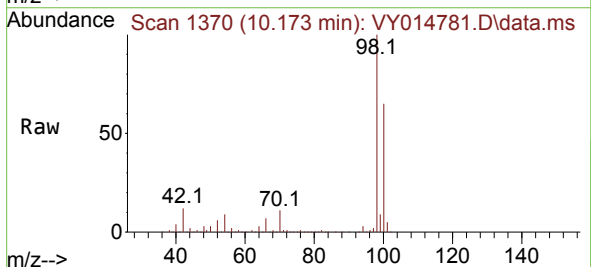
Instrument :
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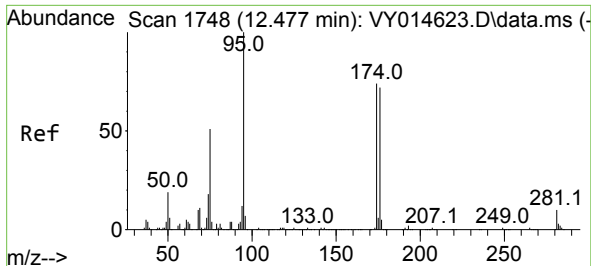
Tgt Ion:117 Resp: 16450
Ion Ratio Lower Upper
117 100
119 5.4 76.4 114.6#
121 0.0 25.8 38.6#



#50
Toluene-d8
Concen: 49.874 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.006 min
Lab File: VY014781.D
Acq: 24 Jul 2023 18:40

Tgt Ion: 98 Resp: 352426
Ion Ratio Lower Upper
98 100
100 66.1 50.1 75.1

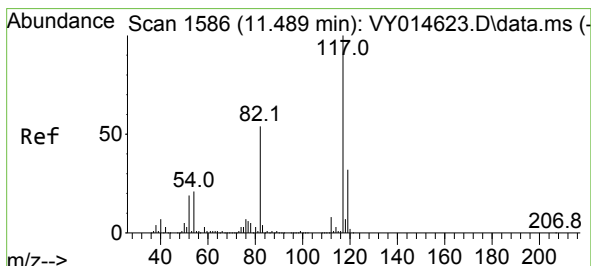
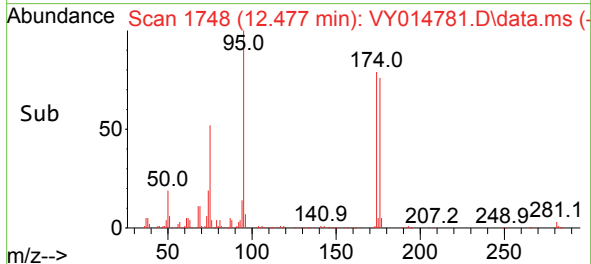
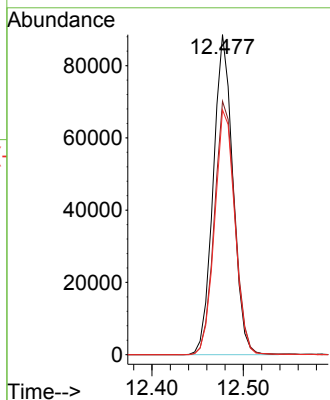
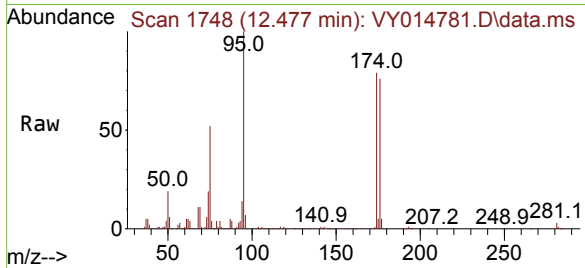




#62
4-Bromofluorobenzene
Concen: 48.875 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY014781.D
Acq: 24 Jul 2023 18:40

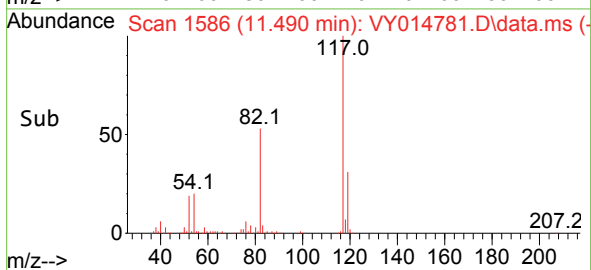
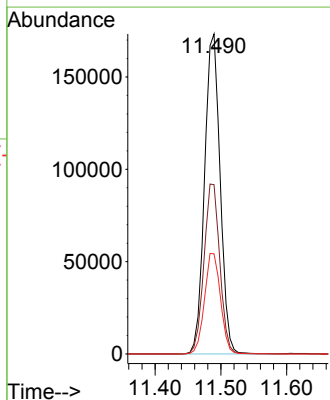
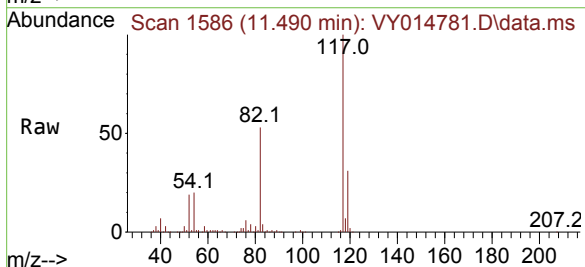
Instrument :
MSVOA_Y
ClientSampleId :
B-P23A

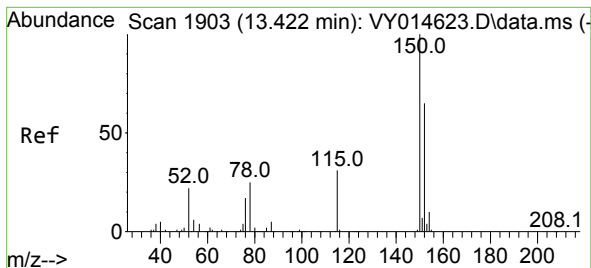
Tgt Ion: 95 Resp: 132427
Ion Ratio Lower Upper
95 100
174 82.8 0.0 178.2
176 78.8 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY014781.D
Acq: 24 Jul 2023 18:40

Tgt Ion: 117 Resp: 286087
Ion Ratio Lower Upper
117 100
82 52.9 43.4 65.0
119 31.3 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: VY014781.D

Acq: 24 Jul 2023 18:40

Instrument :

MSVOA_Y

ClientSampleId :

B-P23A

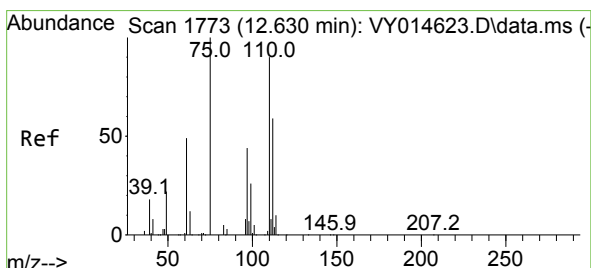
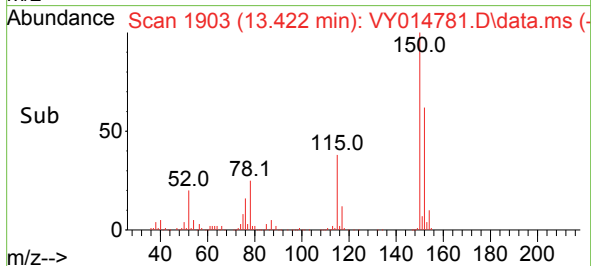
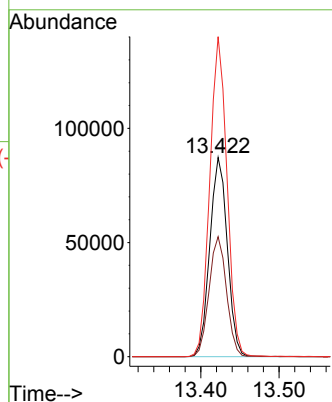
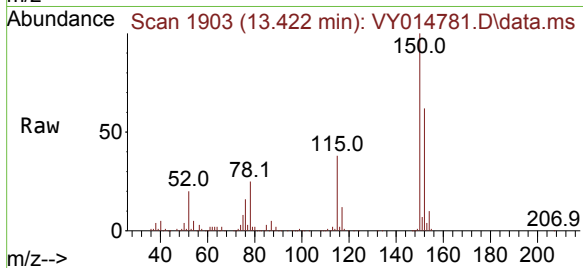
Tgt Ion:152 Resp: 135744

Ion Ratio Lower Upper

152 100

115 59.9 28.8 86.5

150 157.5 0.0 348.8



#76

1,2,3-Trichloropropane

Concen: 40.581 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.153 min

Lab File: VY014781.D

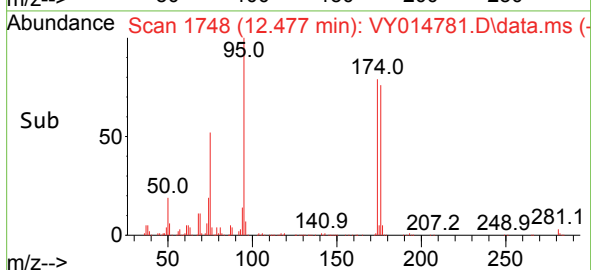
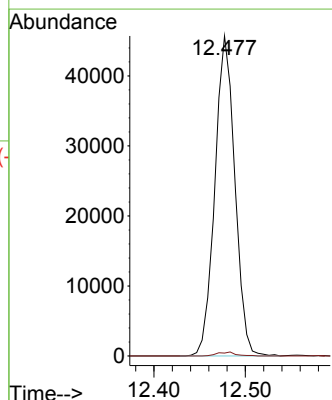
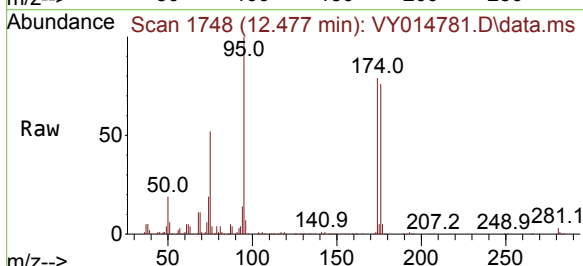
Acq: 24 Jul 2023 18:40

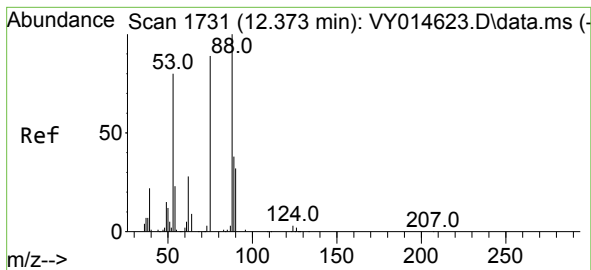
Tgt Ion: 75 Resp: 69573

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.573 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY014781.D
 Acq: 24 Jul 2023 18:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-P23A

Tgt Ion: 75 Resp: 69573
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.8 116.8#
 89 0.0 37.4 56.0#

