

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120122\
 Data File : VL039948.D
 Acq On : 1 Dec 2022 19:00
 Operator : SY/MD
 Sample : N5824-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TPC-SSDL

Quant Time: Dec 02 05:34:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 02 05:29:35 2022
 Response via : Initial Calibration

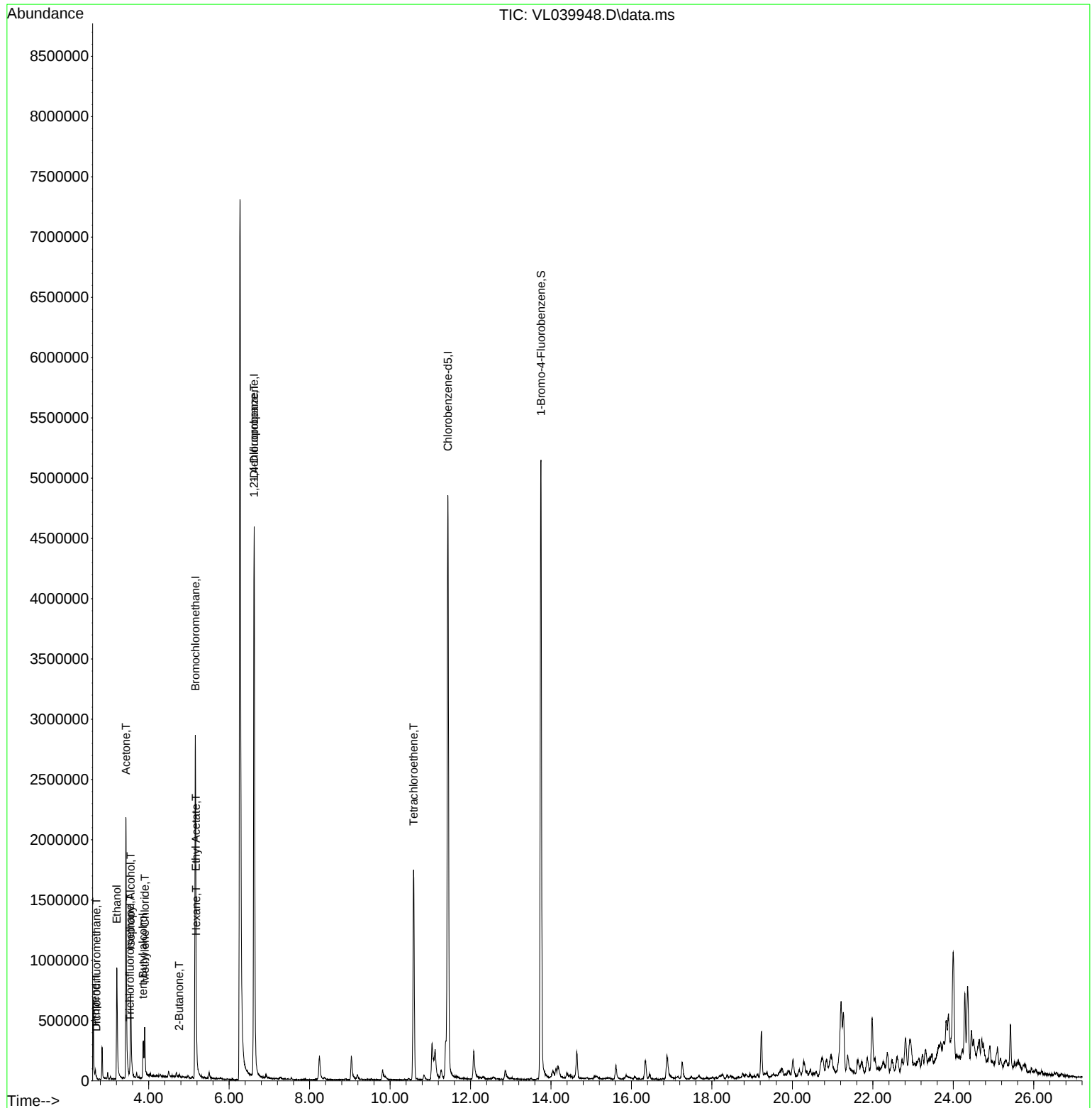
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.160	49	1316938	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.622	114	3595845	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.436	117	3265977	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.751	95	2587184	10.371	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	= 103.700%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.700	85	14133	0.075	ppbv	92
9) Propene	2.671	41	15572	0.182	ppbv	90
11) Trichlorofluoromethane	3.533	101	28777	0.125	ppbv	98
13) Ethanol	3.208	45	914466	139.922	ppbv	99
15) Acetone	3.436	43	2142173	12.264	ppbv	99
17) tert-Butyl alcohol	3.861	59	230542	1.148	ppbv	98
19) Isopropyl Alcohol	3.552	45	721936	7.633	ppbv #	45
20) Methylene Chloride	3.902	84	125060	1.478	ppbv	94
25) Ethyl Acetate	5.176	43	35522	0.111	ppbv #	91
26) Hexane	5.182	57	86453	0.617	ppbv #	45
34) 2-Butanone	4.758	43	9312	0.054	ppbv #	54
39) 1,2-Dichloropropane	6.619	63	861539	7.235	ppbv #	26
52) Tetrachloroethene	10.584	164	238780	2.088	ppbv	93

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

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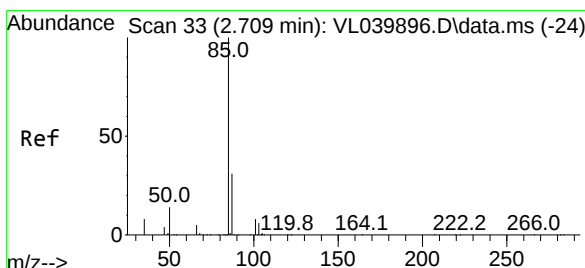
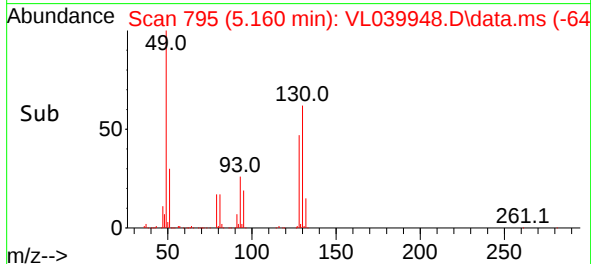
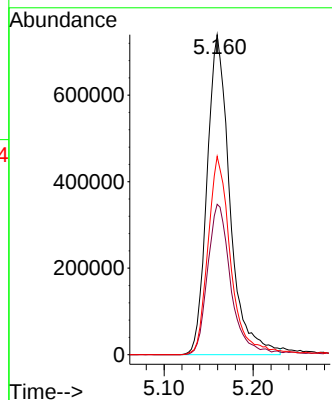
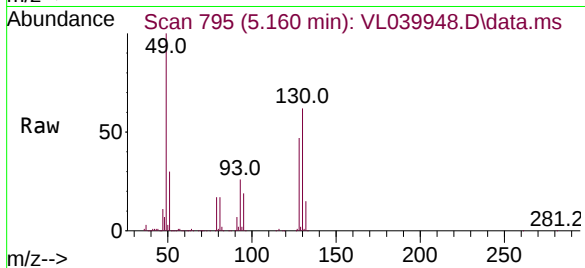




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.160 min Scan# 79
 Delta R.T. -0.013 min
 Lab File: VL039948.D
 Acq: 1 Dec 2022 19:00

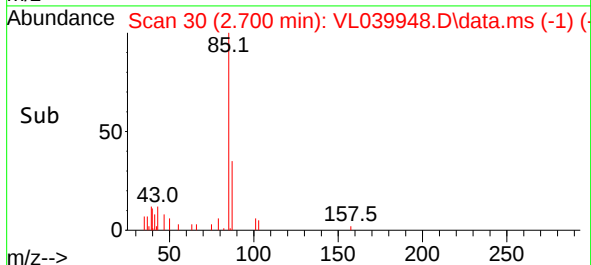
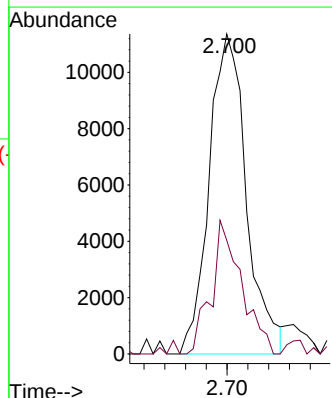
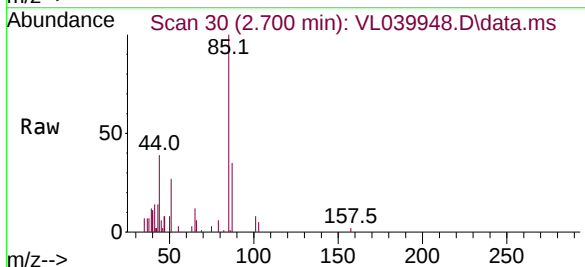
Instrument :
 MSVOA_L
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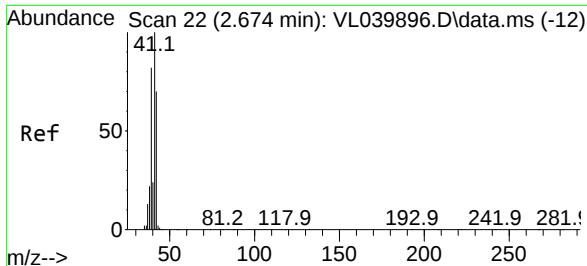
Tgt Ion: 49 Resp: 1316938
 Ion Ratio Lower Upper
 49 100
 128 49.0 22.1 66.3
 130 62.9 27.7 83.1



#2
 Dichlorodifluoromethane
 Concen: 0.075 ppbv
 RT: 2.700 min Scan# 30
 Delta R.T. -0.010 min
 Lab File: VL039948.D
 Acq: 1 Dec 2022 19:00

Tgt Ion: 85 Resp: 14133
 Ion Ratio Lower Upper
 85 100
 87 35.5 25.0 37.4





#9

Propene

Concen: 0.182 ppbv

RT: 2.671 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL039948.D

Acq: 1 Dec 2022 19:00

Instrument :

MSVOA_L

ClientSampleId :

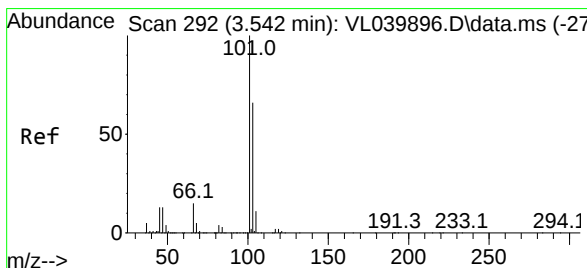
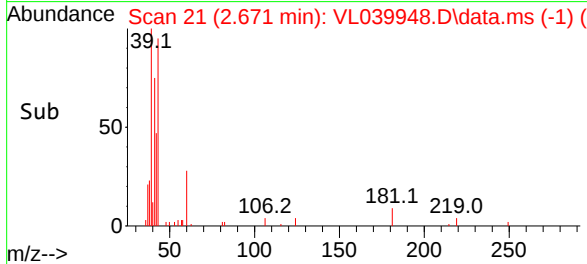
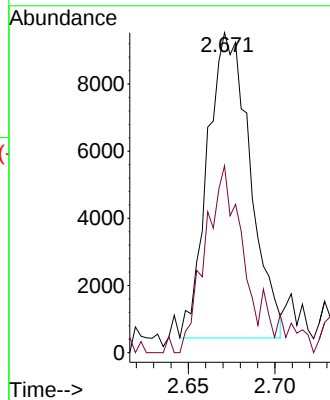
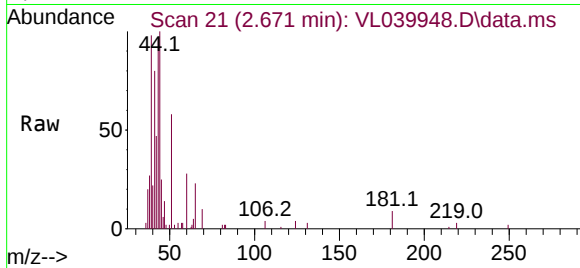
TPC-SSDL

Tgt Ion: 41 Resp: 15572

Ion Ratio Lower Upper

41 100

42 61.3 55.8 83.6



#11

Trichlorofluoromethane

Concen: 0.125 ppbv

RT: 3.533 min Scan# 289

Delta R.T. -0.010 min

Lab File: VL039948.D

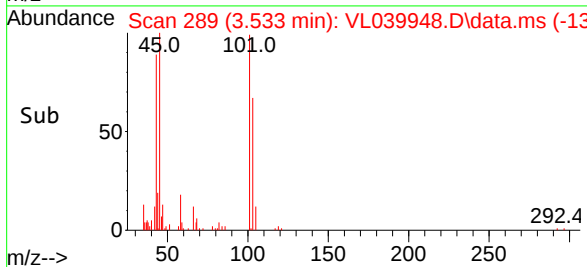
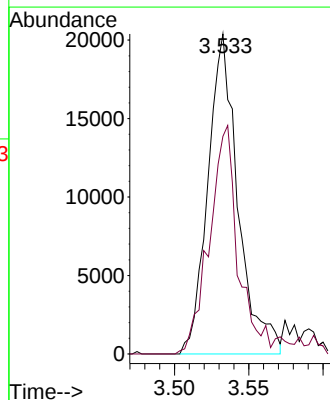
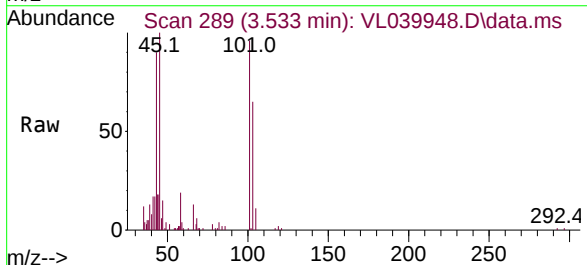
Acq: 1 Dec 2022 19:00

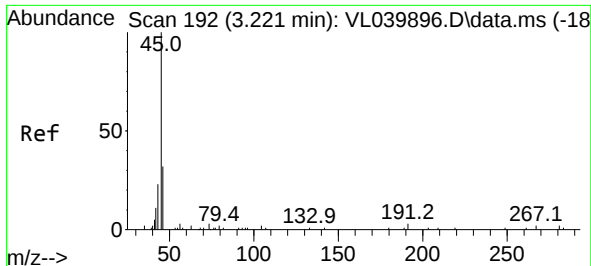
Tgt Ion: 101 Resp: 28777

Ion Ratio Lower Upper

101 100

103 67.0 52.6 78.8

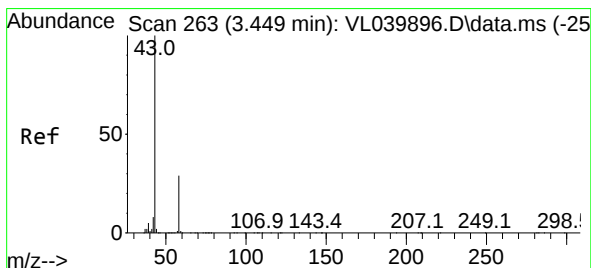
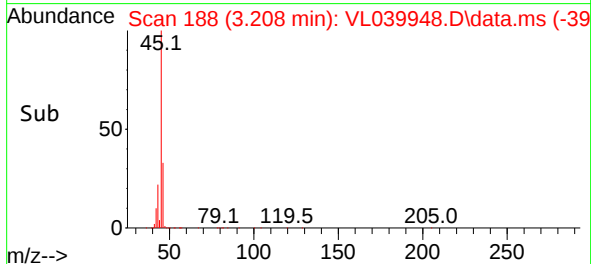
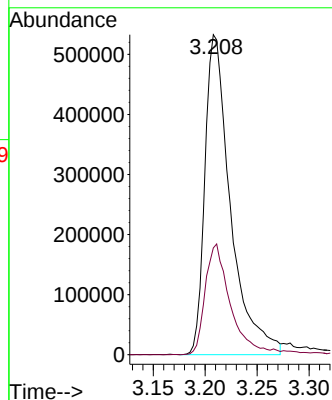
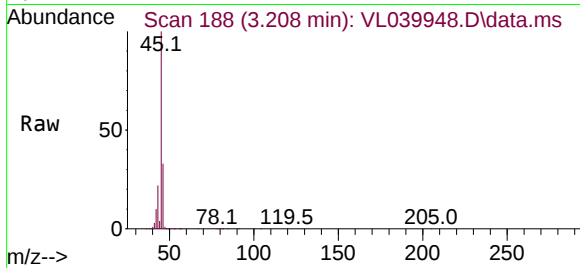




#13
Ethanol
Concen: 139.922 ppbv
RT: 3.208 min Scan# 11
Delta R.T. -0.019 min
Lab File: VL039948.D
Acq: 1 Dec 2022 19:00

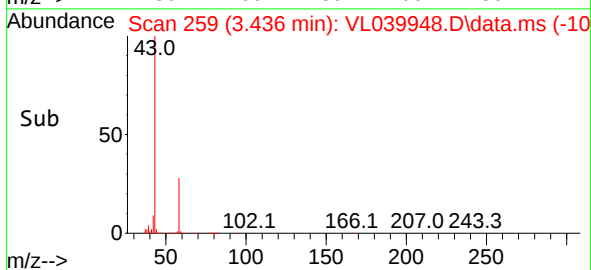
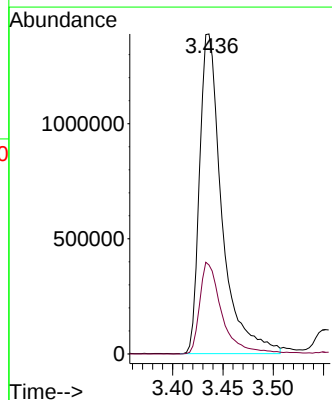
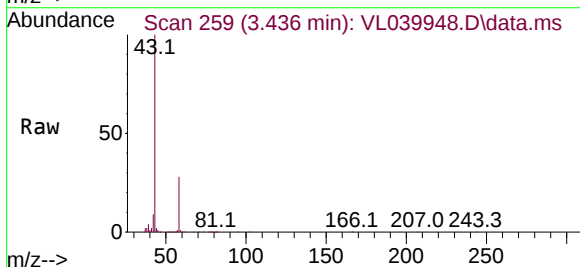
Instrument :
MSVOA_L
ClientSampleId :
TPC-SSDL

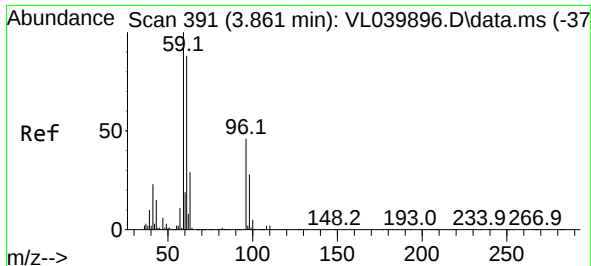
Tgt Ion: 45 Resp: 914466
Ion Ratio Lower Upper
45 100
46 35.8 14.6 58.2



#15
Acetone
Concen: 12.264 ppbv
RT: 3.436 min Scan# 259
Delta R.T. -0.010 min
Lab File: VL039948.D
Acq: 1 Dec 2022 19:00

Tgt Ion: 43 Resp: 2142173
Ion Ratio Lower Upper
43 100
58 28.9 22.9 34.3





#17

tert-Butyl alcohol

Concen: 1.148 ppbv

RT: 3.861 min Scan# 391

Delta R.T. 0.003 min

Lab File: VL039948.D

Acq: 1 Dec 2022 19:00

Instrument :

MSVOA_1

ClientSampleId :

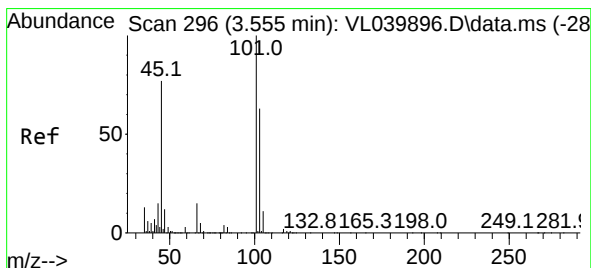
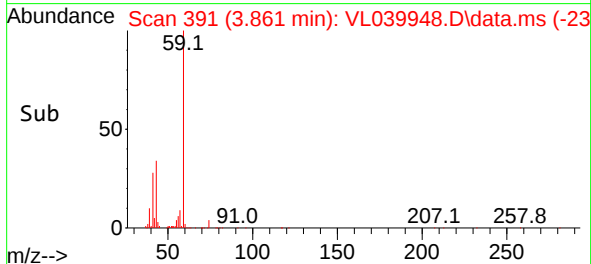
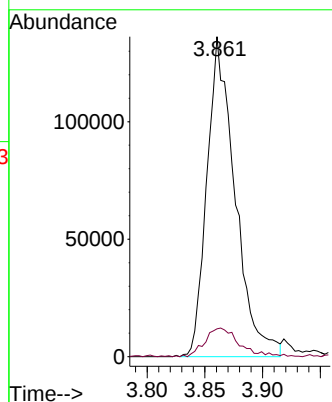
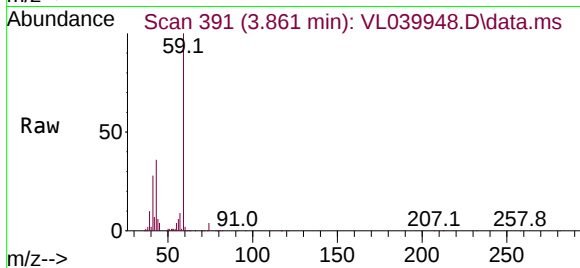
TPC-SSDL

Tgt Ion: 59 Resp: 230542

Ion Ratio Lower Upper

59 100

57 11.0 8.3 12.5



#19

Isopropyl Alcohol

Concen: 7.633 ppbv

RT: 3.552 min Scan# 295

Delta R.T. -0.003 min

Lab File: VL039948.D

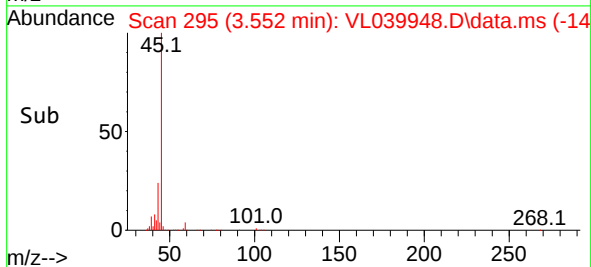
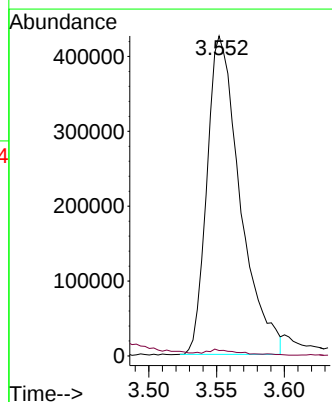
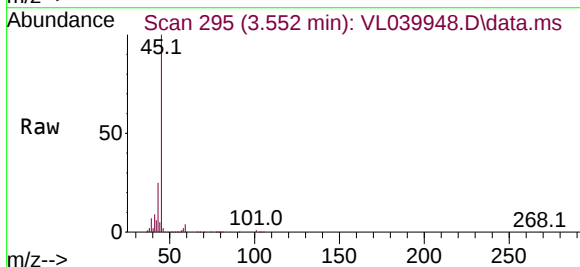
Acq: 1 Dec 2022 19:00

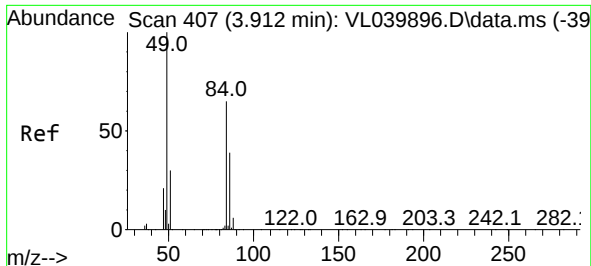
Tgt Ion: 45 Resp: 721936

Ion Ratio Lower Upper

45 100

58 85.8 38.7 58.1#

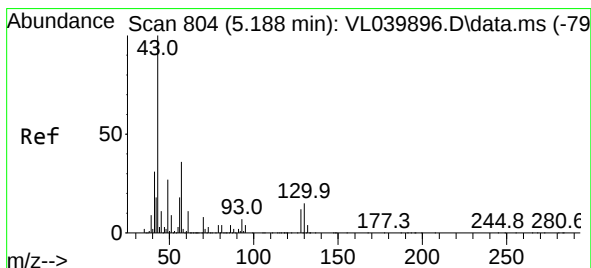
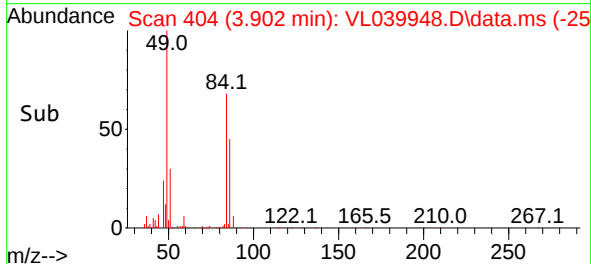
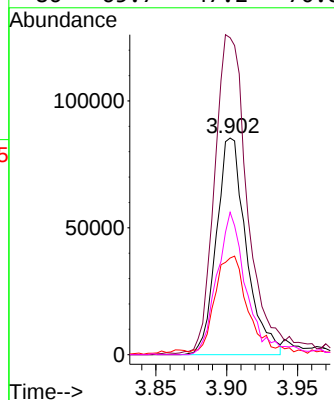
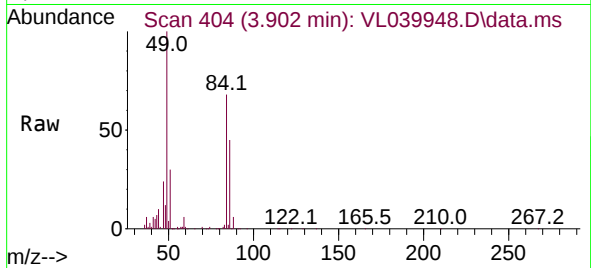




#20
Methylene Chloride
Concen: 1.478 ppbv
RT: 3.902 min Scan# 407
Delta R.T. -0.010 min
Lab File: VL039948.D
Acq: 1 Dec 2022 19:00

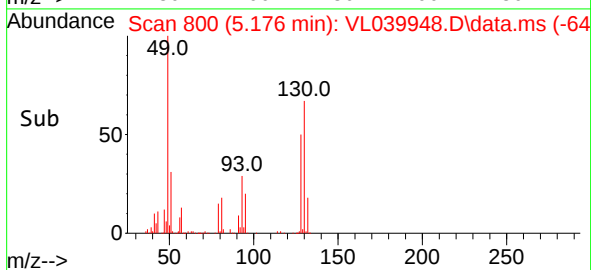
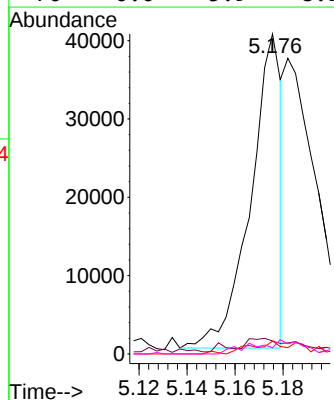
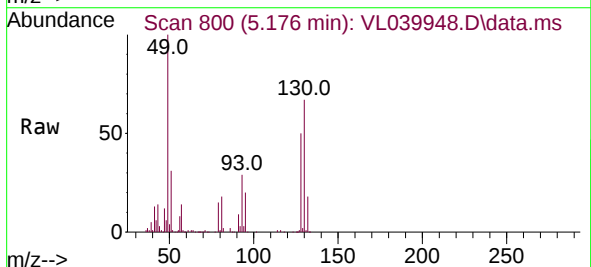
Instrument :
MSVOA_L
ClientSampleId :
TPC-SSDL

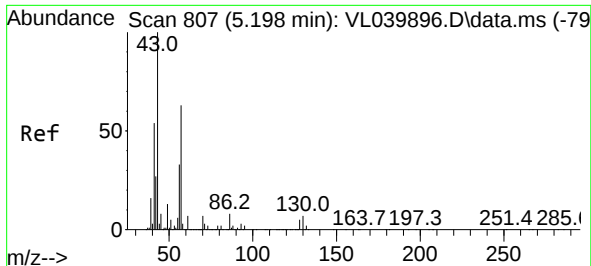
Tgt Ion: 84 Resp: 125060
Ion Ratio Lower Upper
84 100
49 145.6 122.2 183.4
51 42.5 36.3 54.5
86 65.7 47.2 70.8



#25
Ethyl Acetate
Concen: 0.111 ppbv
RT: 5.176 min Scan# 800
Delta R.T. -0.010 min
Lab File: VL039948.D
Acq: 1 Dec 2022 19:00

Tgt Ion: 43 Resp: 35522
Ion Ratio Lower Upper
43 100
45 10.9 8.4 12.6
61 7.2 8.5 12.7#
70 0.0 5.9 8.9#

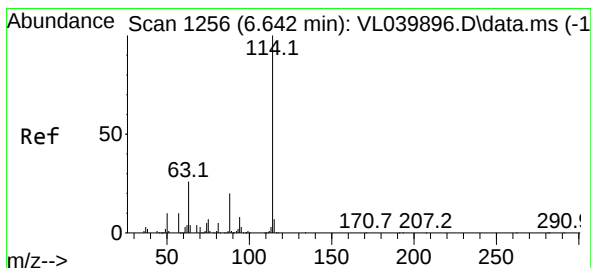
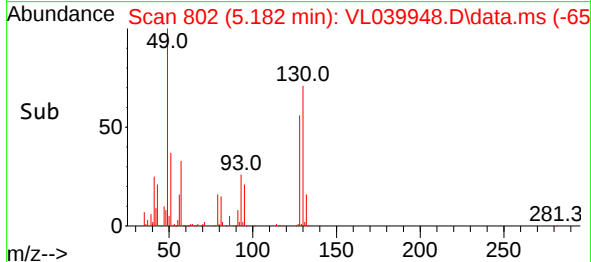
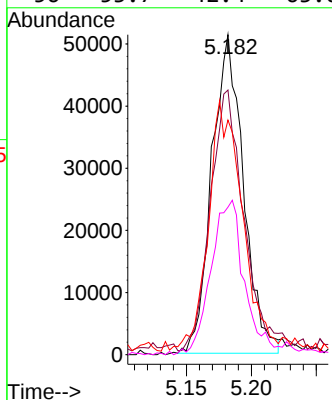
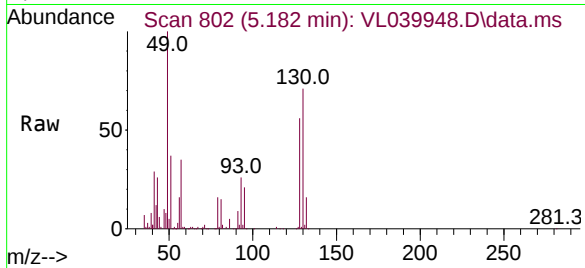




#26
Hexane
Concen: 0.617 ppbv
RT: 5.182 min Scan# 80
Delta R.T. -0.013 min
Lab File: VL039948.D
Acq: 1 Dec 2022 19:00

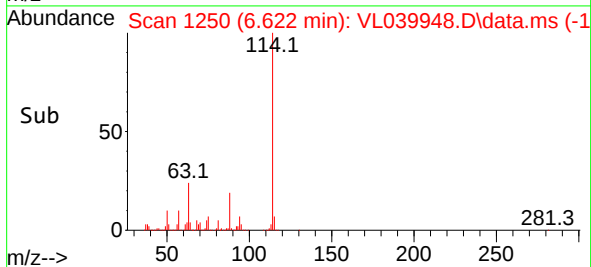
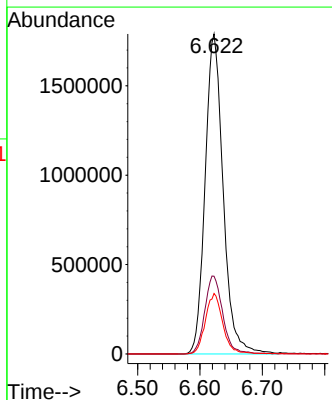
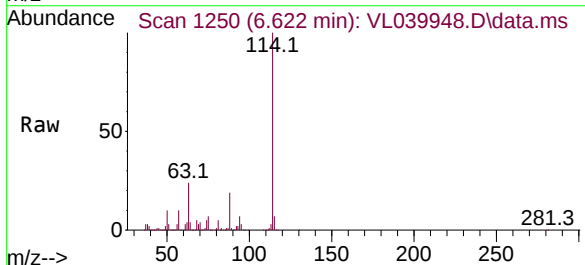
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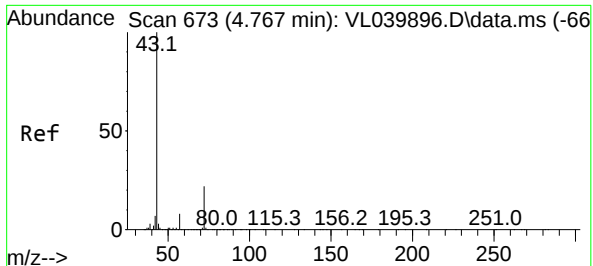
Tgt Ion: 57	Resp: 86453
Ion Ratio	Lower Upper
57 100	
41 87.8	72.3 108.5
43 88.3	188.7 283.1#
56 53.7	42.4 63.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.622 min Scan# 1250
Delta R.T. -0.013 min
Lab File: VL039948.D
Acq: 1 Dec 2022 19:00

Tgt Ion:114	Resp: 3595845		
Ion	Ratio	Lower	Upper
114	100		
63	24.6	21.4	32.0
88	18.4	15.3	22.9

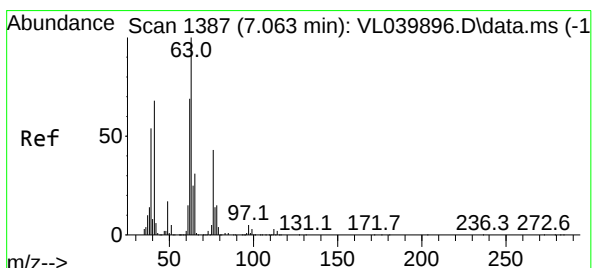
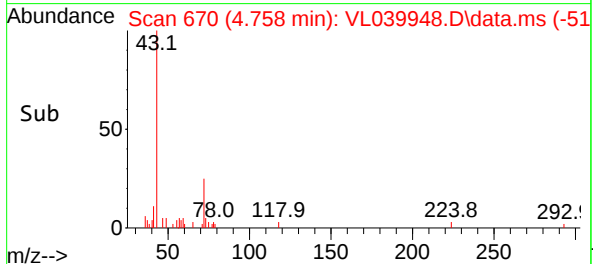
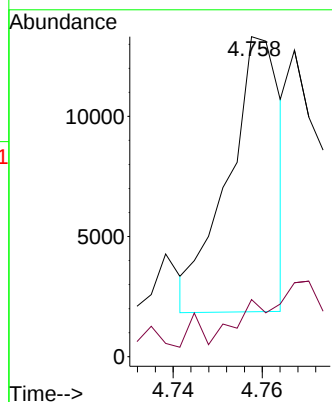
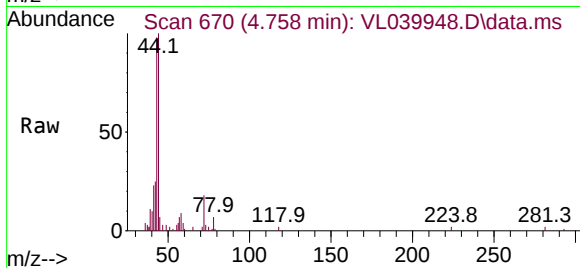




#34
2-Butanone
Concen: 0.054 ppbv
RT: 4.758 min Scan# 61
Delta R.T. -0.010 min
Lab File: VL039948.D
Acq: 1 Dec 2022 19:00

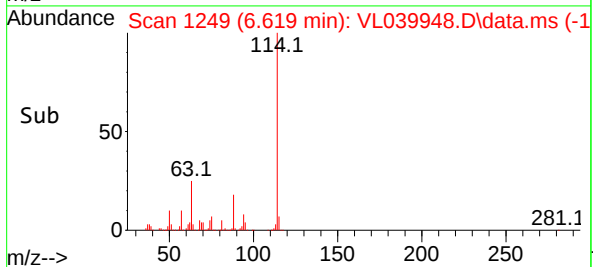
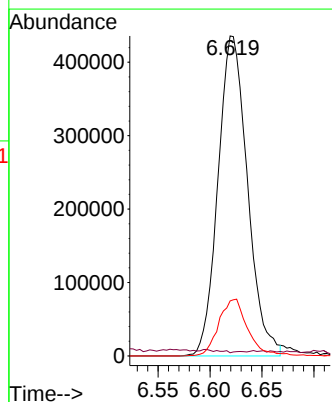
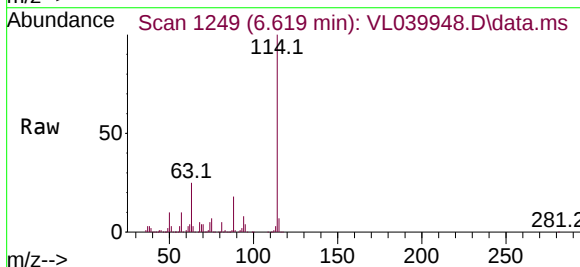
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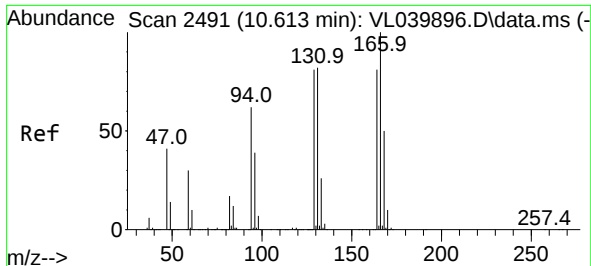
Tgt Ion: 43 Resp: 9312
Ion Ratio Lower Upper
43 100
72 0.0 17.4 26.2#



#39
1,2-Dichloropropane
Concen: 7.235 ppbv
RT: 6.619 min Scan# 1249
Delta R.T. -0.437 min
Lab File: VL039948.D
Acq: 1 Dec 2022 19:00

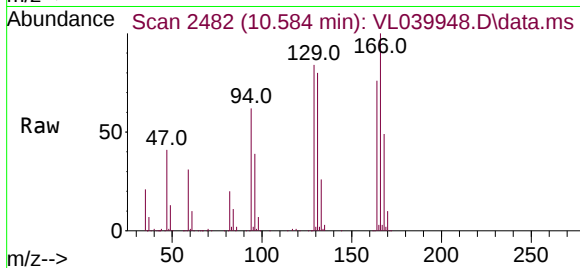
Tgt Ion: 63 Resp: 861539
Ion Ratio Lower Upper
63 100
41 0.0 54.7 82.1#
62 17.2 55.0 82.6#



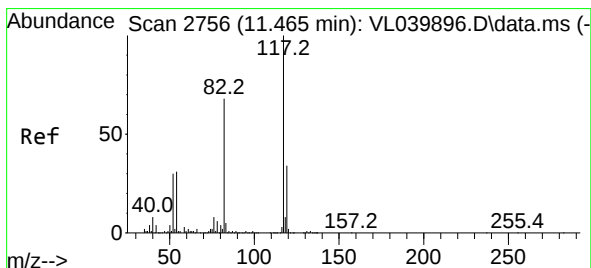
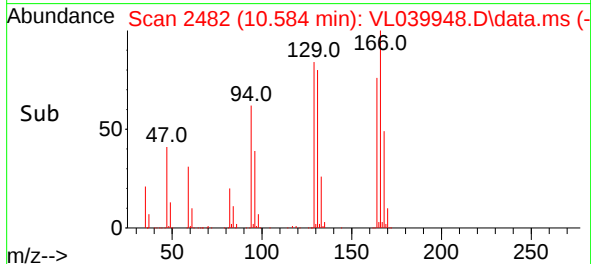
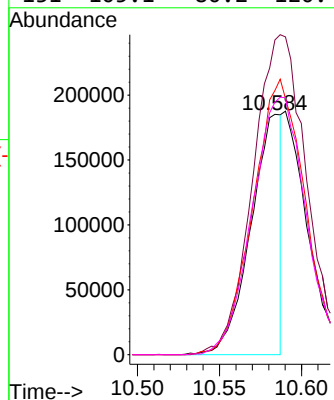


#52
Tetrachloroethene
Concen: 2.088 ppbv
RT: 10.584 min Scan# 2491
Delta R.T. -0.019 min
Lab File: VL039948.D
Acq: 1 Dec 2022 19:00

Instrument :
MSVOA_L
ClientSampleId :
TPC-SSDL

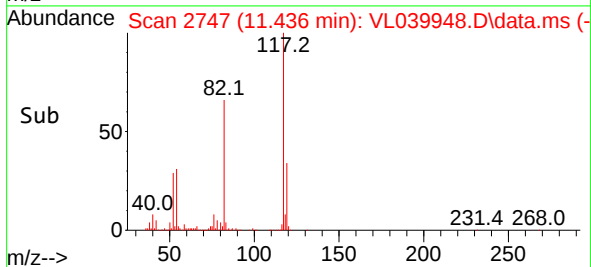
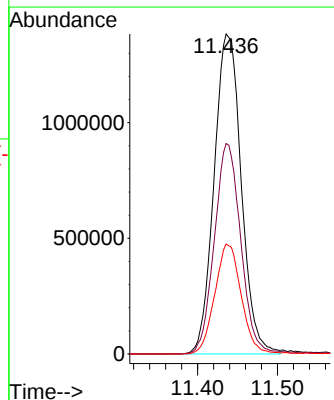
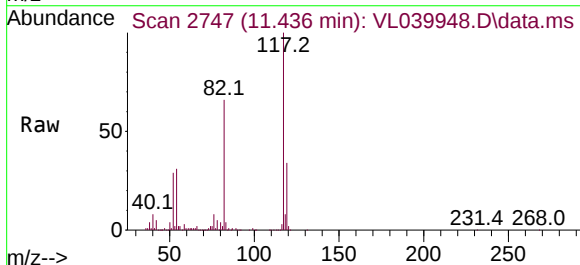


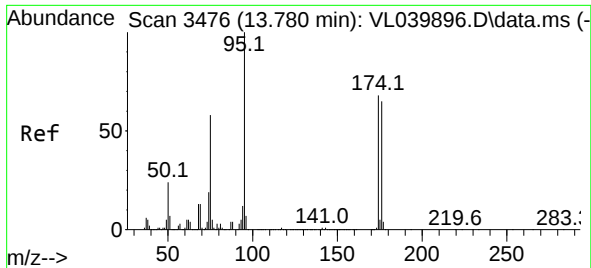
Tgt Ion:164 Resp: 238780
Ion Ratio Lower Upper
164 100
166 131.0 98.3 147.5
129 110.0 79.7 119.5
131 105.1 80.2 120.4



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.436 min Scan# 2747
Delta R.T. -0.016 min
Lab File: VL039948.D
Acq: 1 Dec 2022 19:00

Tgt Ion:117 Resp: 3265977
Ion Ratio Lower Upper
117 100
82 64.6 52.3 78.5
119 33.7 25.7 38.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.371 ppbv
 RT: 13.751 min Scan# 34
 Delta R.T. -0.013 min
 Lab File: VL039948.D
 Acq: 1 Dec 2022 19:00

Instrument :
 MSVOA_L
 ClientSampleId :
 TPC-SSDL

Tgt Ion: 95 Resp: 2587184
 Ion Ratio Lower Upper
 95 100
 174 65.6 53.7 80.5
 175 5.0 4.0 6.0

