

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL111723\
 Data File : VL040894.D
 Acq On : 17 Nov 2023 14:12
 Operator : SY/MD
 Sample : 05278-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SH-SS-3DL

Quant Time: Nov 20 03:58:38 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111323AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Nov 20 03:50:24 2023
 Response via : Initial Calibration

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

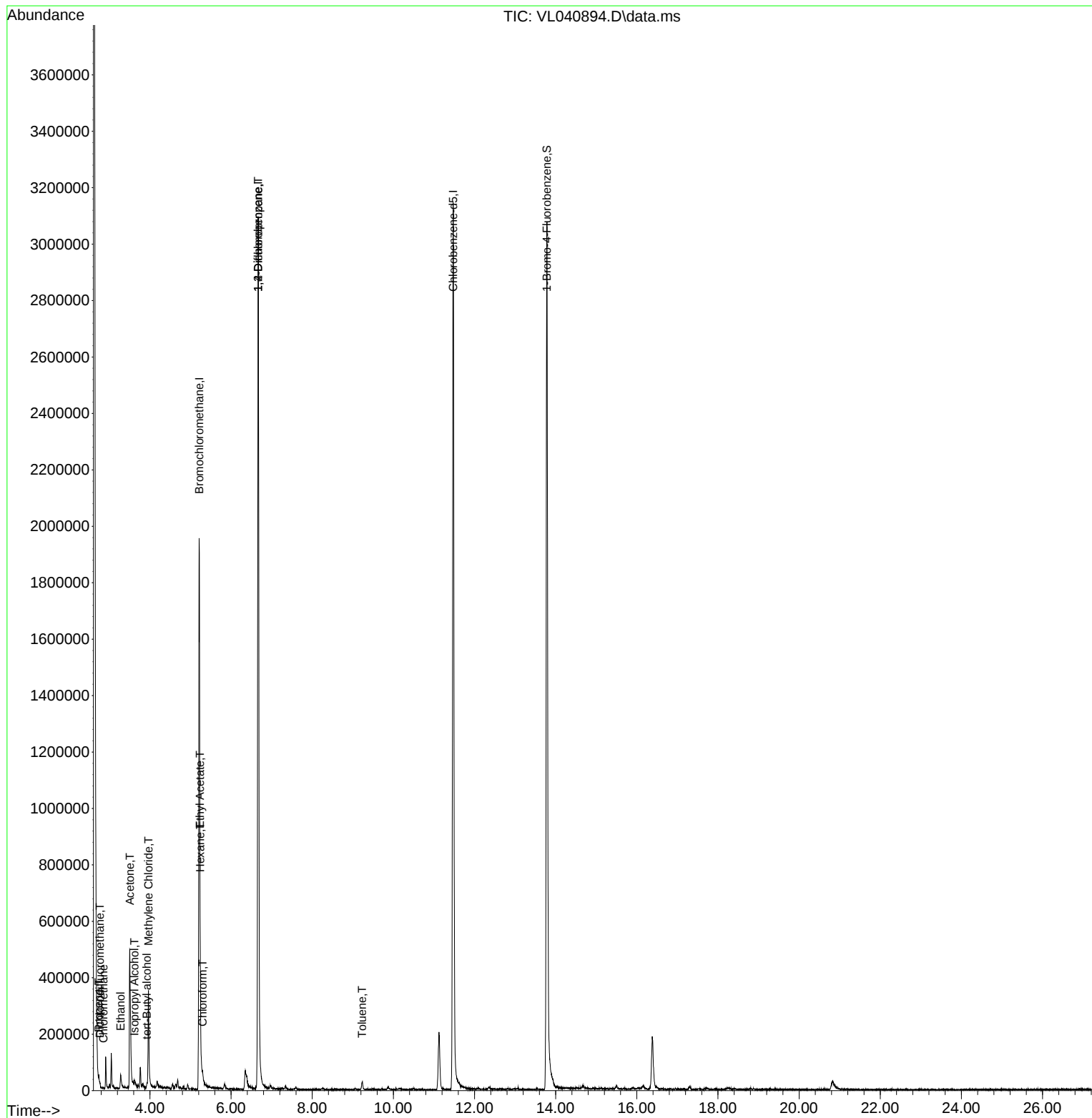
Internal Standards						
1) Bromochloromethane	5.214	49	950147	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	2309920	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	2009303	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1611844	10.246	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.500%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.767	85	9035	0.047	ppbv	91
4) Chloromethane	2.851	50	1891	0.035	ppbv #	77
9) Propene	2.738	41	2606	0.051	ppbv #	14
13) Ethanol	3.275	45	48618	4.897	ppbv #	100
15) Acetone	3.504	43	546654	5.402	ppbv	99
17) tert-Butyl alcohol	3.925	59	2758	0.032	ppbv #	71
19) Isopropyl Alcohol	3.619	45	10768	0.177	ppbv #	94
20) Methylene Chloride	3.963	84	103524	2.479	ppbv	96
25) Ethyl Acetate	5.233	43	34463	0.164	ppbv #	79
26) Hexane	5.237	57	67035	0.723	ppbv #	41
29) Chloroform	5.298	83	6279	0.040	ppbv	92
39) 1,2-Dichloropropane	6.668	63	602124	8.100	ppbv #	24
53) Toluene	9.227	91	8445	0.041	ppbv #	20

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

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Mon Nov 20 03:50:24 2023
Response via : Initial Calibration

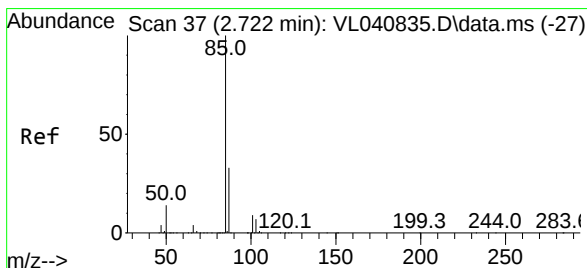
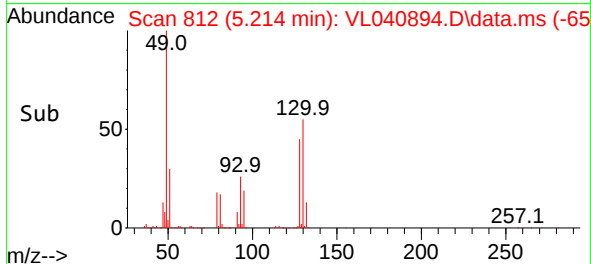
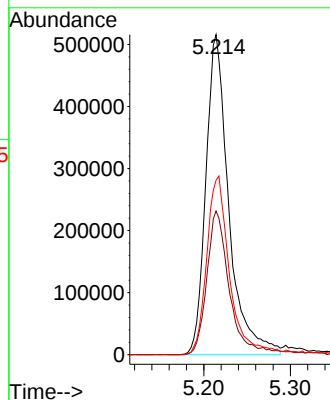
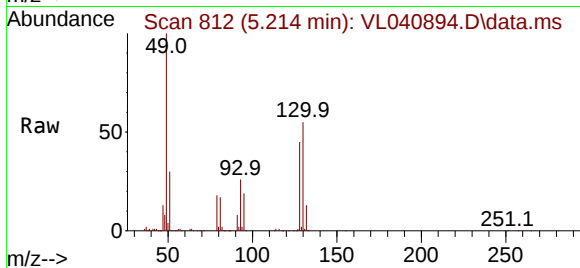




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.214 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040894.D
Acq: 17 Nov 2023 14:12

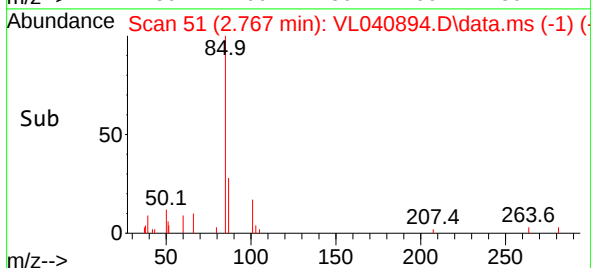
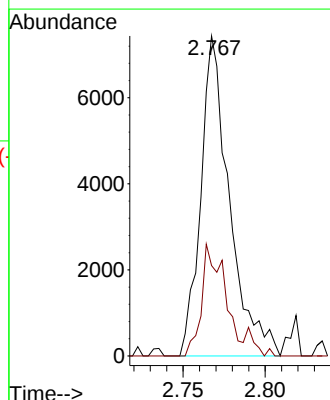
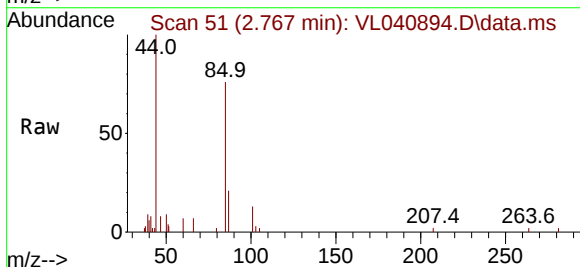
Instrument :
MSVOA_L
ClientSampleId :
SH-SS-3DL

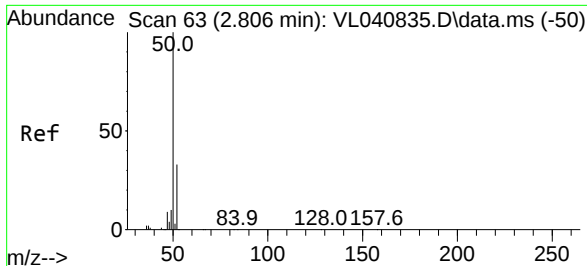
Tgt Ion: 49 Resp: 950147
Ion Ratio Lower Upper
49 100
128 45.4 23.8 71.2
130 57.5 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.047 ppbv
RT: 2.767 min Scan# 51
Delta R.T. -0.007 min
Lab File: VL040894.D
Acq: 17 Nov 2023 14:12

Tgt Ion: 85 Resp: 9035
Ion Ratio Lower Upper
85 100
87 28.2 26.7 40.1

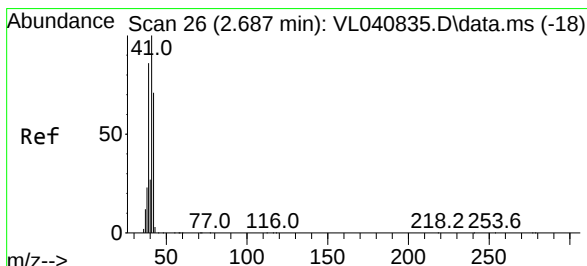
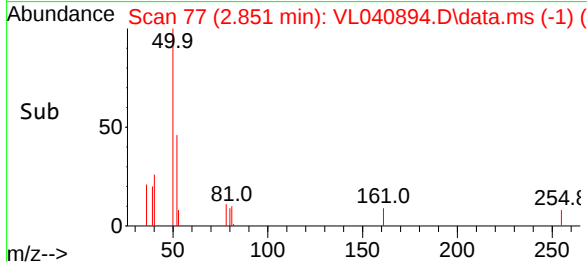
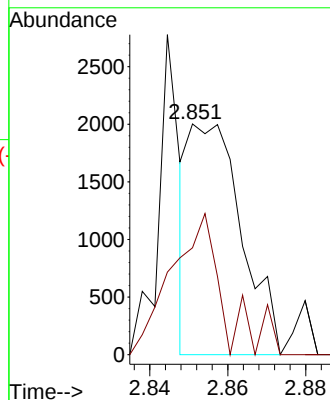
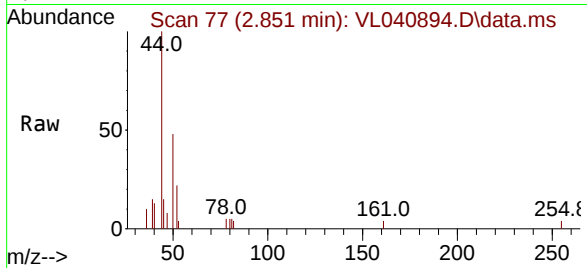




#4
Chloromethane
Concen: 0.035 ppbv
RT: 2.851 min Scan# 71
Delta R.T. -0.003 min
Lab File: VL040894.D
Acq: 17 Nov 2023 14:12

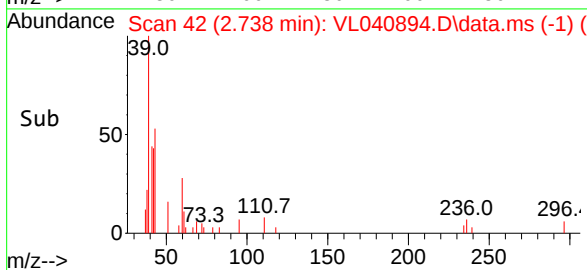
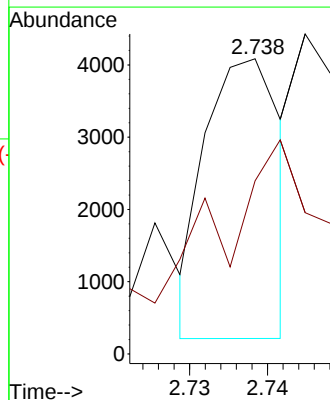
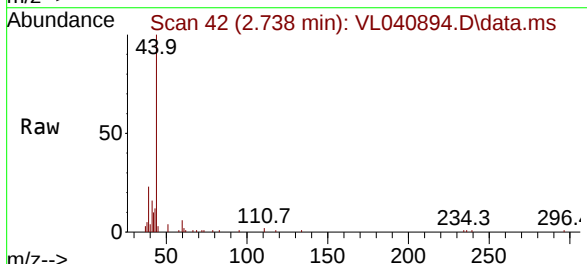
Instrument :
MSVOA_L
ClientSampleId :
SH-SS-3DL

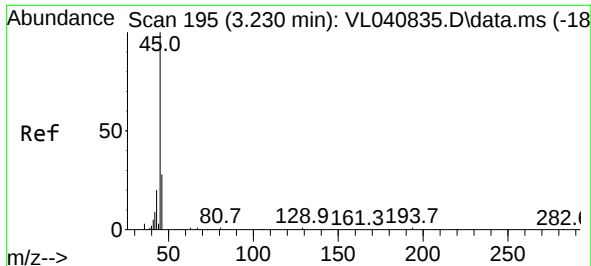
Tgt Ion: 50 Resp: 1891
Ion Ratio Lower Upper
50 100
52 46.3 26.5 39.7#



#9
Propene
Concen: 0.051 ppbv
RT: 2.738 min Scan# 42
Delta R.T. -0.000 min
Lab File: VL040894.D
Acq: 17 Nov 2023 14:12

Tgt Ion: 41 Resp: 2606
Ion Ratio Lower Upper
41 100
42 0.0 56.5 84.7#

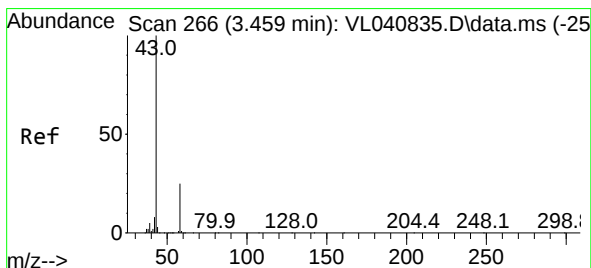
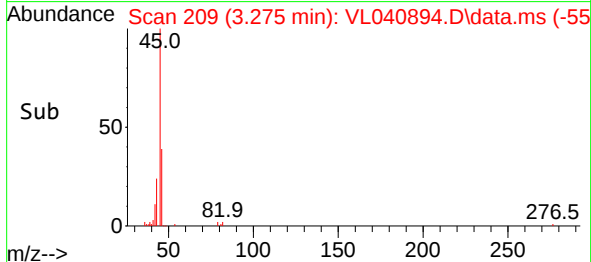
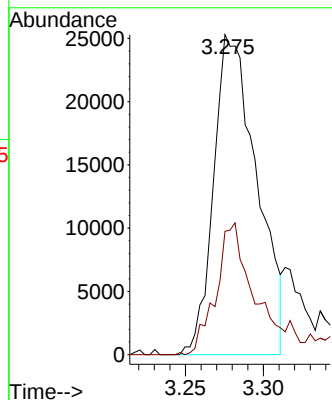
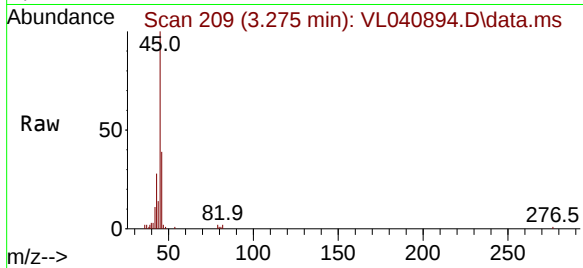




#13
Ethanol
Concen: 4.897 ppbv
RT: 3.275 min Scan# 209
Delta R.T. -0.003 min
Lab File: VL040894.D
Acq: 17 Nov 2023 14:12

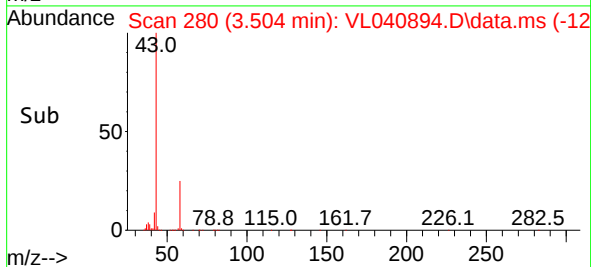
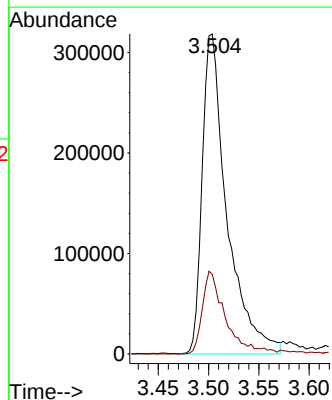
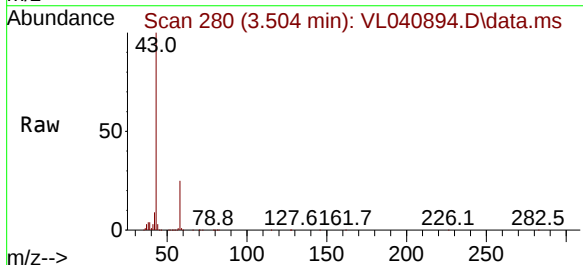
Instrument :
MSVOA_L
ClientSampleId :
SH-SS-3DL

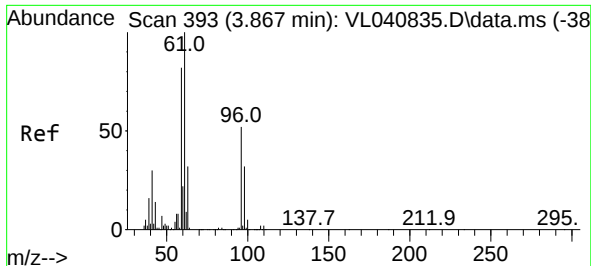
Tgt Ion: 45 Resp: 48618
Ion Ratio Lower Upper
45 100
46 46.8 0.0 0.0#



#15
Acetone
Concen: 5.402 ppbv
RT: 3.504 min Scan# 280
Delta R.T. 0.003 min
Lab File: VL040894.D
Acq: 17 Nov 2023 14:12

Tgt Ion: 43 Resp: 546654
Ion Ratio Lower Upper
43 100
58 25.5 20.9 31.3





#17

tert-Butyl alcohol

Concen: 0.032 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.016 min

Lab File: VL040894.D

Acq: 17 Nov 2023 14:12

Instrument :

MSVOA_L

ClientSampleId :

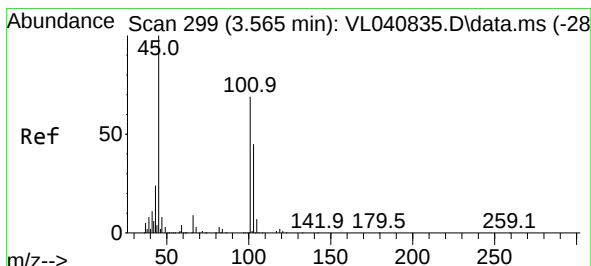
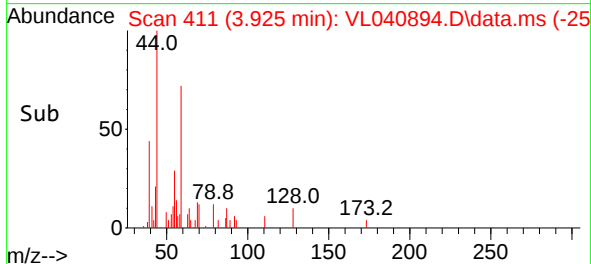
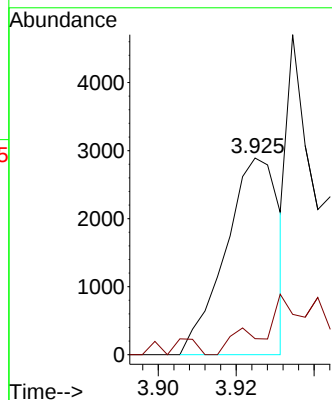
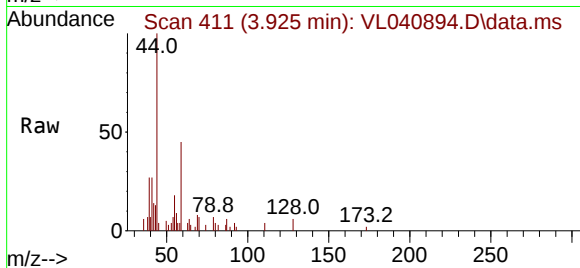
SH-SS-3DL

Tgt Ion: 59 Resp: 2758

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 0.177 ppbv

RT: 3.619 min Scan# 316

Delta R.T. 0.009 min

Lab File: VL040894.D

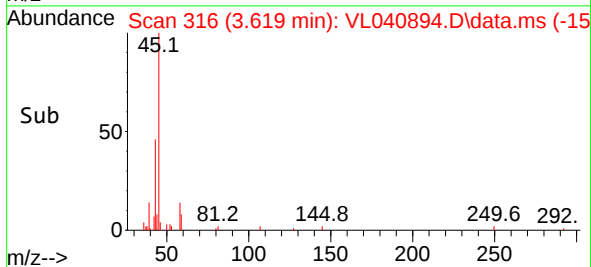
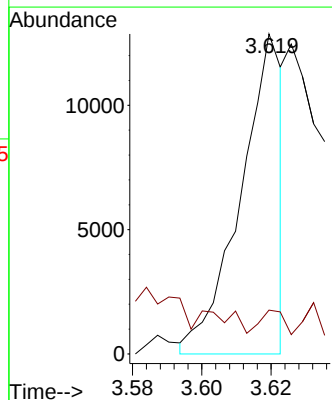
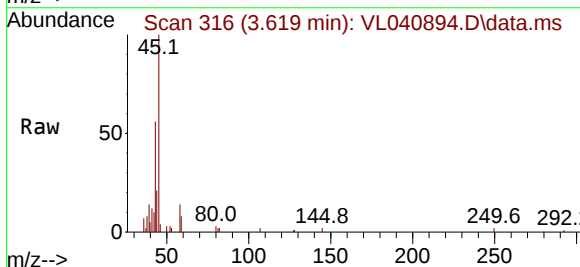
Acq: 17 Nov 2023 14:12

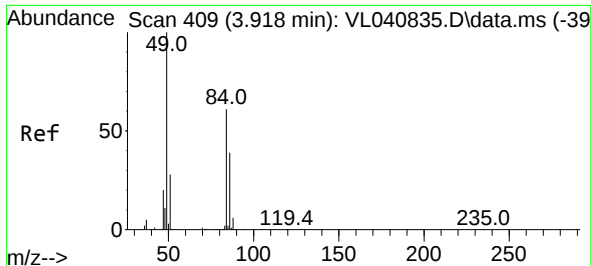
Tgt Ion: 45 Resp: 10768

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#



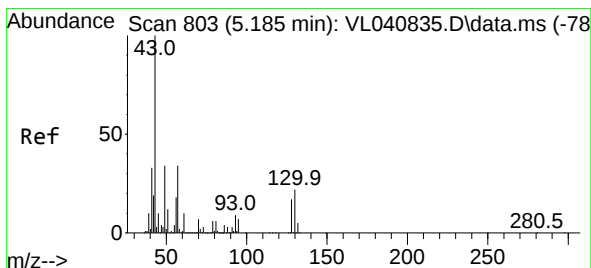
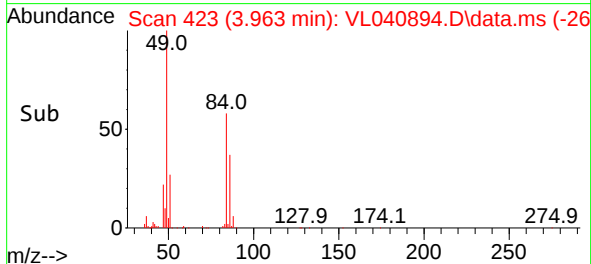
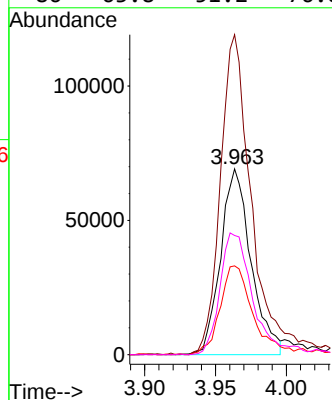
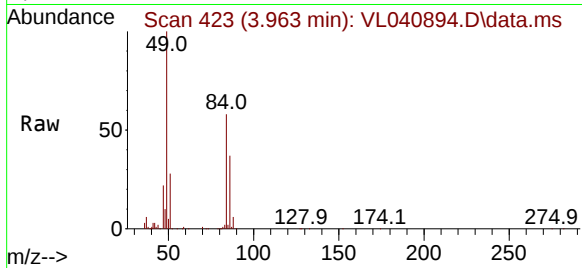


#20
Methylene Chloride
Concen: 2.479 ppbv
RT: 3.963 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL040894.D
Acq: 17 Nov 2023 14:12

Instrument :
MSVOA_L
ClientSampleId :
SH-SS-3DL

Tgt Ion: 84 Resp: 103524

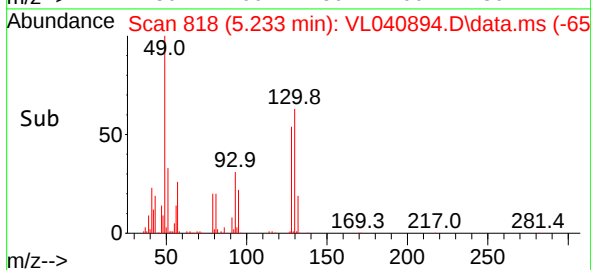
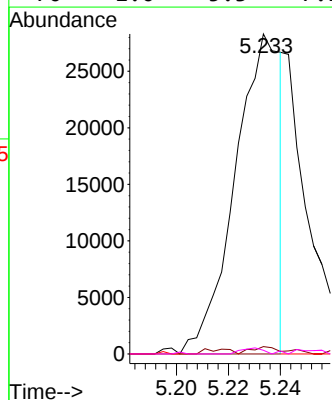
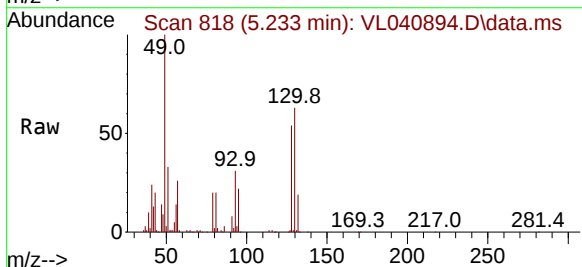
Ion	Ratio	Lower	Upper
84	100		
49	171.8	131.0	196.4
51	47.5	36.9	55.3
86	63.8	51.2	76.8

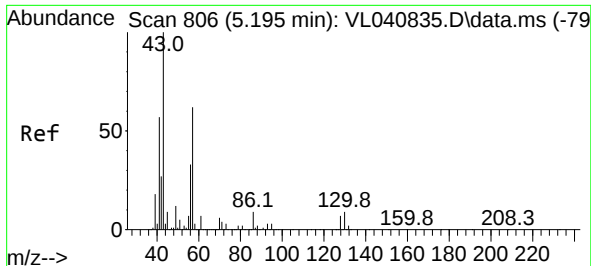


#25
Ethyl Acetate
Concen: 0.164 ppbv
RT: 5.233 min Scan# 818
Delta R.T. 0.013 min
Lab File: VL040894.D
Acq: 17 Nov 2023 14:12

Tgt Ion: 43 Resp: 34463

Ion	Ratio	Lower	Upper
43	100		
45	2.6	8.1	12.1#
61	0.1	7.8	11.6#
70	1.0	5.3	7.9#



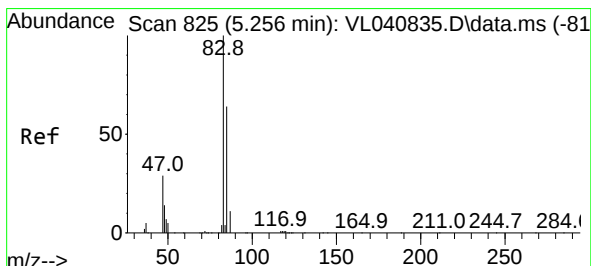
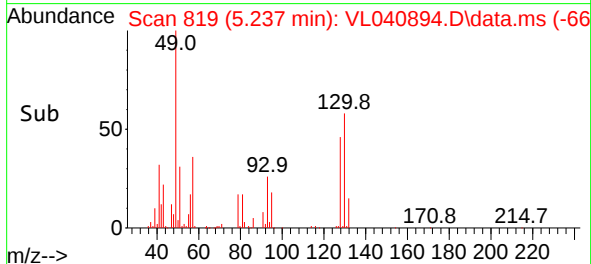
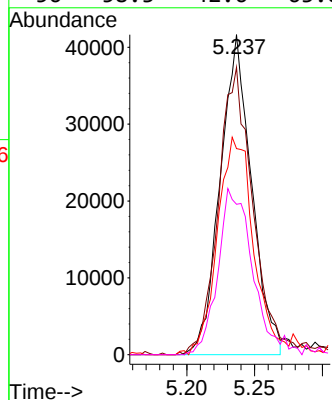
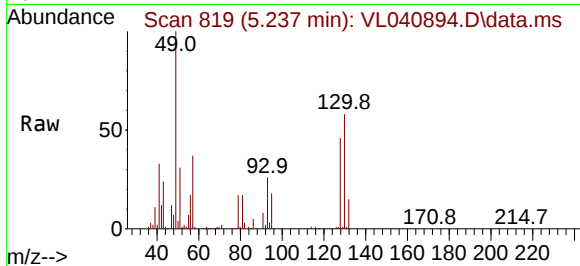


#26
Hexane
Concen: 0.723 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.006 min
Lab File: VL040894.D
Acq: 17 Nov 2023 14:12

Instrument :
MSVOA_L
ClientSampleId :
SH-SS-3DL

Tgt Ion: 57 Resp: 67035

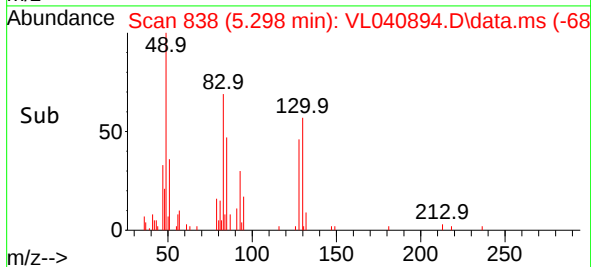
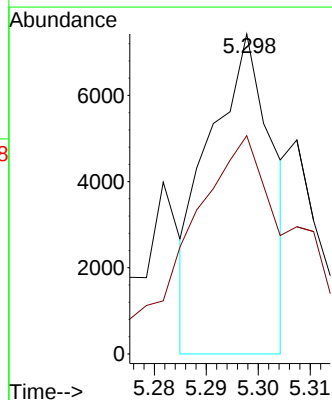
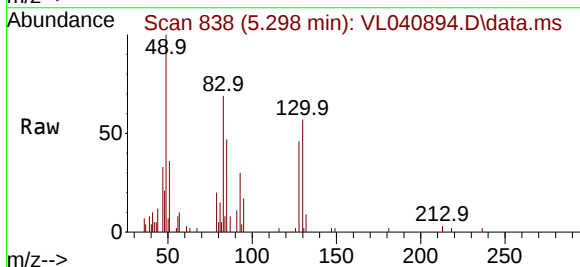
Ion	Ratio	Lower	Upper
57	100		
41	101.2	75.4	113.0
43	80.3	185.9	278.9#
56	58.3	42.6	63.8

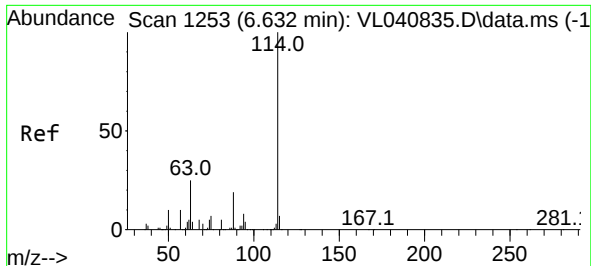


#29
Chloroform
Concen: 0.040 ppbv
RT: 5.298 min Scan# 838
Delta R.T. 0.003 min
Lab File: VL040894.D
Acq: 17 Nov 2023 14:12

Tgt Ion: 83 Resp: 6279

Ion	Ratio	Lower	Upper
83	100		
85	58.0	51.4	77.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.668 min Scan# 1264

Delta R.T. 0.003 min

Lab File: VL040894.D

Acq: 17 Nov 2023 14:12

Instrument :

MSVOA_L

ClientSampleId :

SH-SS-3DL

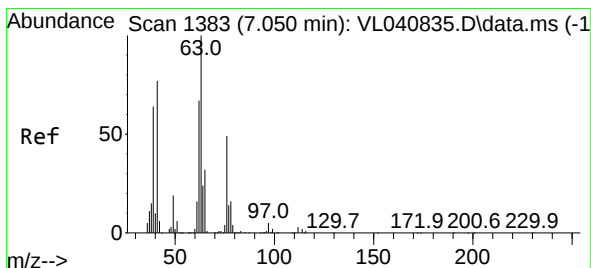
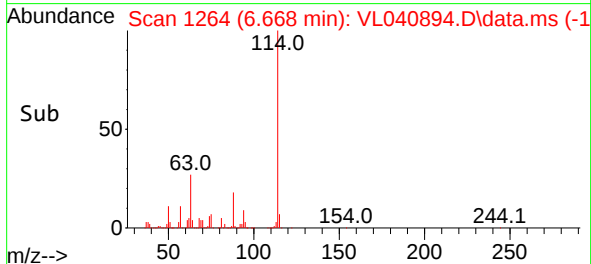
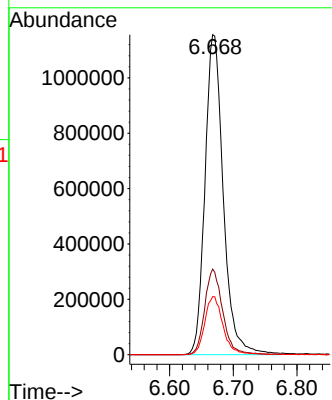
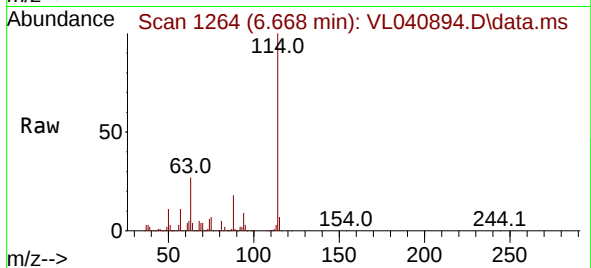
Tgt Ion:114 Resp: 2309920

Ion Ratio Lower Upper

114 100

63 26.3 20.9 31.3

88 18.2 14.3 21.5



#39

1,2-Dichloropropane

Concen: 8.100 ppbv

RT: 6.668 min Scan# 1264

Delta R.T. -0.415 min

Lab File: VL040894.D

Acq: 17 Nov 2023 14:12

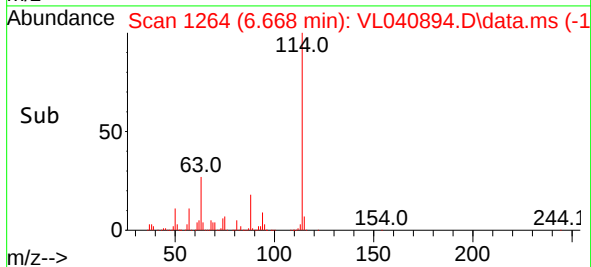
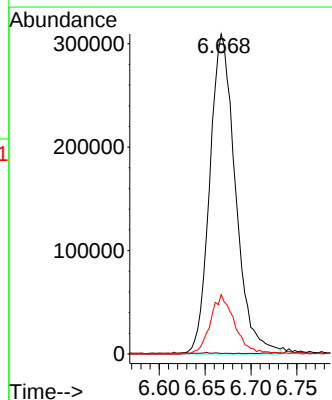
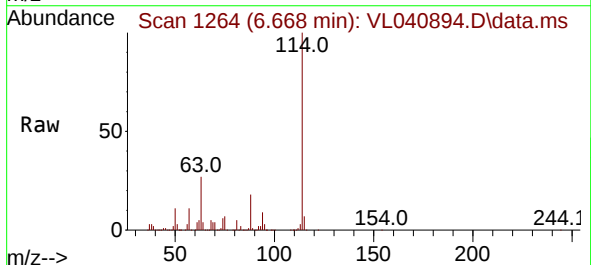
Tgt Ion: 63 Resp: 602124

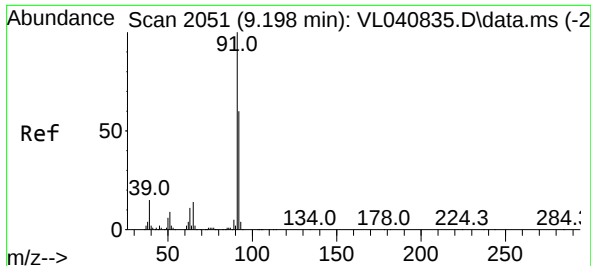
Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

62 18.6 53.9 80.9#

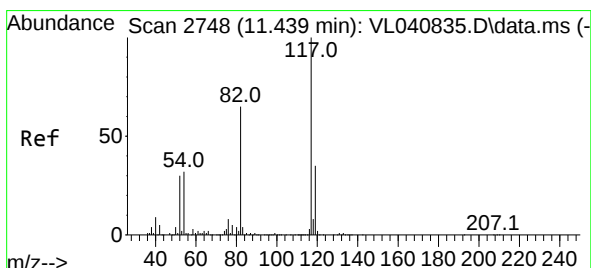
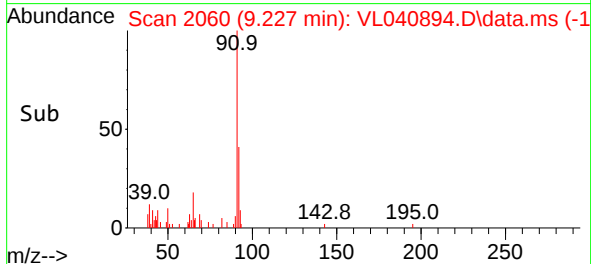
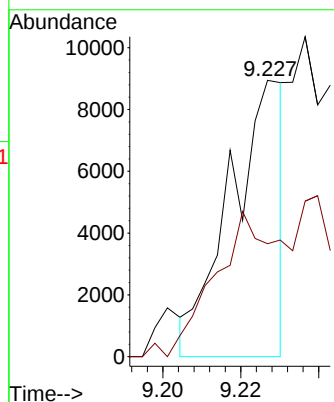
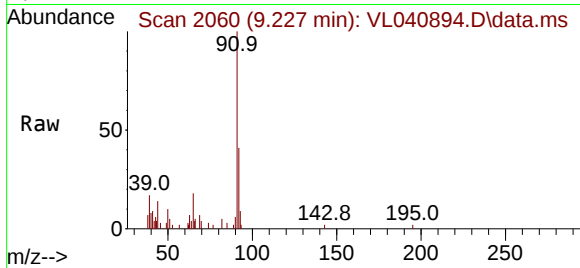




#53
Toluene
Concen: 0.041 ppbv
RT: 9.227 min Scan# 2051
Delta R.T. 0.003 min
Lab File: VL040894.D
Acq: 17 Nov 2023 14:12

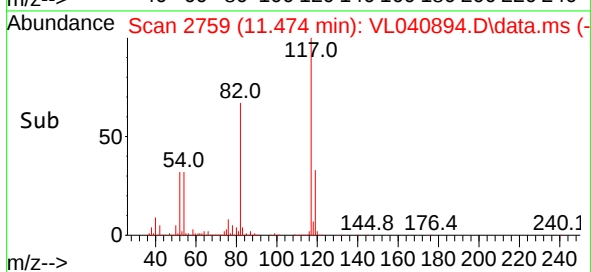
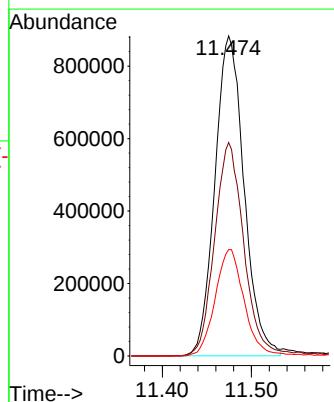
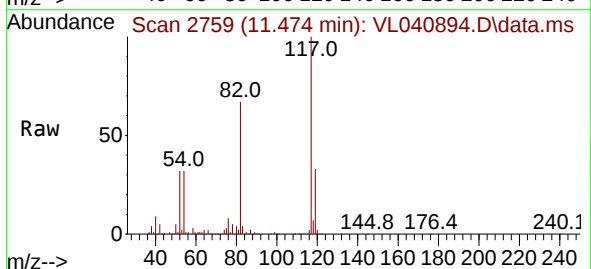
Instrument :
MSVOA_L
ClientSampleId :
SH-SS-3DL

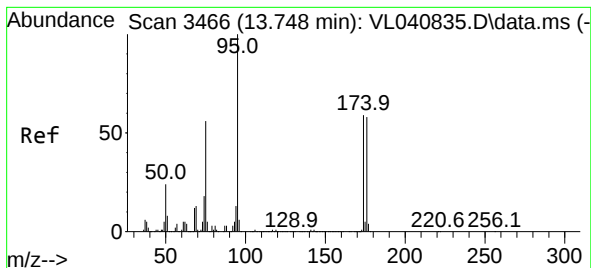
Tgt Ion: 91 Resp: 8445
Ion Ratio Lower Upper
91 100
92 0.0 49.4 74.2#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 2759
Delta R.T. 0.013 min
Lab File: VL040894.D
Acq: 17 Nov 2023 14:12

Tgt Ion: 117 Resp: 2009303
Ion Ratio Lower Upper
117 100
82 67.5 50.6 75.8
119 33.6 23.3 34.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.246 ppbv

RT: 13.786 min Scan# 34

Delta R.T. 0.016 min

Lab File: VL040894.D

Acq: 17 Nov 2023 14:12

Instrument :

MSVOA_L

ClientSampleId :

SH-SS-3DL

Tgt Ion: 95 Resp: 1611844

Ion Ratio Lower Upper

95 100

174 59.7 47.5 71.3

175 4.3 3.6 5.4

