

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031323\
 Data File : VL040272.D
 Acq On : 13 Mar 2023 19:47
 Operator : SY/MD
 Sample : 01897-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BASEMENT-REAR

Quant Time: Mar 14 04:56:13 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Mar 14 04:52:39 2023
 Response via : Initial Calibration

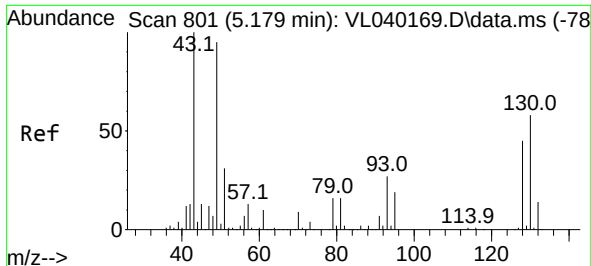
Compound			R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards								
1) Bromochloromethane			5.195	49	811449	10.000	ppbv	0.00
33) 1,4-Difluorobenzene			6.658	114	2043347	10.000	ppbv	0.00
55) Chlorobenzene-d5			11.481	117	1802598	10.000	ppbv	0.00
System Monitoring Compounds								
68) 1-Bromo-4-Fluorobenzene			13.796	95	1501858	10.132	ppbv	0.01
Spiked Amount		10.000	Range	65 - 135	Recovery	= 101.300%		
Target Compounds								
								Qvalue
2) Dichlorodifluoromethane			2.722	85	76106	0.503	ppbv	98
3) Chlorodifluoromethane			2.668	51	57629	0.595	ppbv #	85
4) Chloromethane			2.806	50	26911	0.442	ppbv	99
9) Propene			2.864	41	127270	3.221	ppbv	97
11) Trichlorofluoromethane			3.558	101	31235	0.230	ppbv	86
12) 1,1,2-Trichlorotrifluo...			4.063	101	4065	0.041	ppbv #	33
13) Ethanol			3.230	45	293739	80.751	ppbv	93
15) Acetone			3.462	43	852205	8.723	ppbv	99
17) tert-Butyl alcohol			3.893	59	8564	0.096	ppbv #	72
19) Isopropyl Alcohol			3.578	45	40080	0.863	ppbv #	1
20) Methylene Chloride			3.931	84	59270	1.165	ppbv	94
21) Allyl Chloride			3.729	41	1870817	31.222	ppbv #	49
23) Vinyl Acetate			4.623	43	5882	0.198	ppbv #	60
25) Ethyl Acetate			5.211	43	55800	0.307	ppbv #	88
26) Hexane			5.214	57	48034	0.616	ppbv #	55
29) Chloroform			5.275	83	5095	0.038	ppbv #	79
34) 2-Butanone			4.790	43	252581	2.506	ppbv	100
35) Carbon Tetrachloride			6.500	117	7581	0.063	ppbv	86
36) Benzene			6.372	78	21377	0.134	ppbv #	93
39) 1,2-Dichloropropane			6.661	63	530431	8.575	ppbv #	25
41) Tetrahydrofuran			5.571	42	60961	1.044	ppbv	96
53) Toluene			9.230	91	797115	4.680	ppbv	99
58) Ethyl Benzene			12.105	91	971099	4.434	ppbv	95
59) m/p-Xylene			12.359	91	2465975	12.712	ppbv	97
60) o-Xylene			13.076	91	393267	2.107	ppbv	98

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

Quant Time: Mar 14 04:56:13 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 26 06:05:16 2022
QLast Update : Tue Mar 14 04:52:39 2023
Response via : Initial Calibration

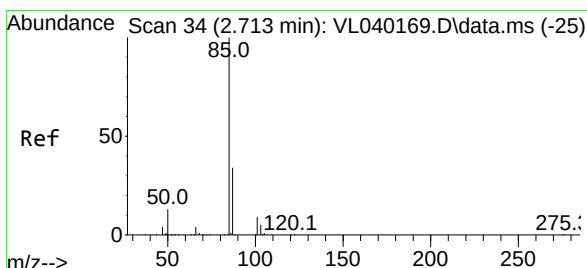
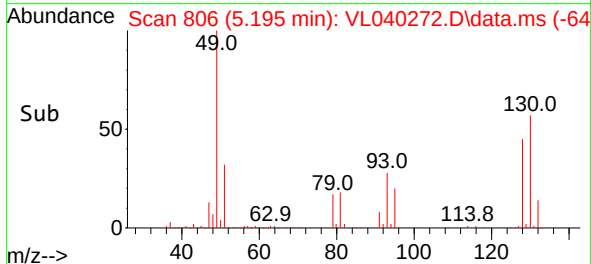
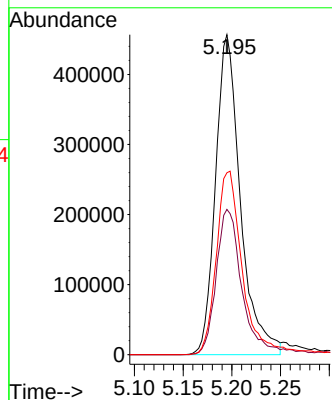
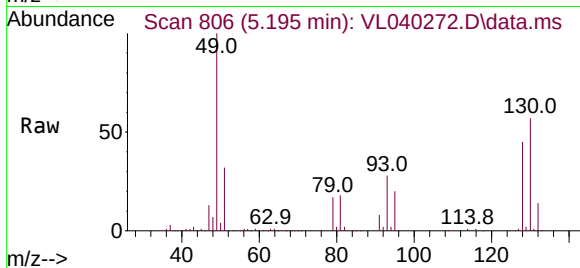




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.006 min
Lab File: VL040272.D
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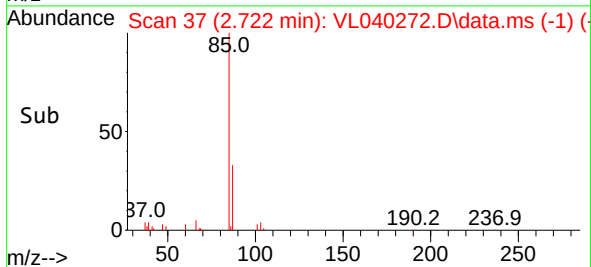
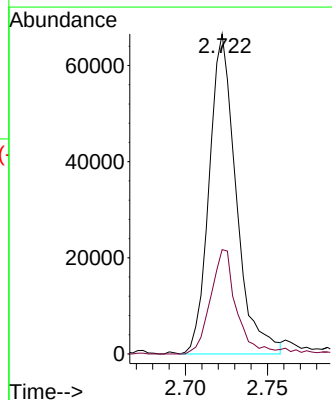
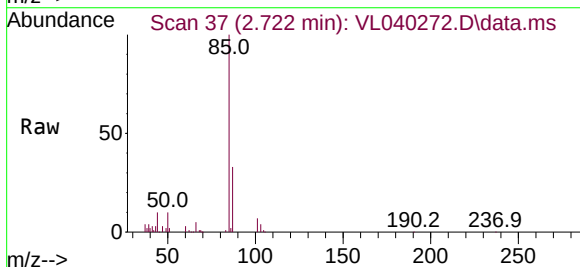
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MSVOA_1
ClientSampleId :
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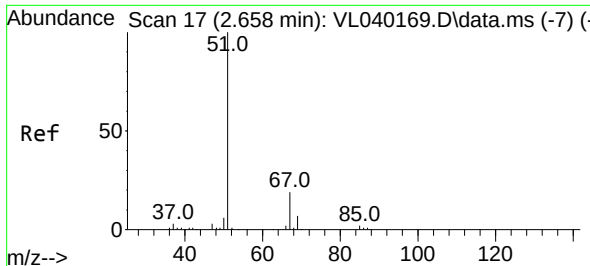
Tgt Ion: 49 Resp: 811449
Ion Ratio Lower Upper
49 100
128 49.1 24.1 72.3
130 62.1 30.9 92.8



#2
Dichlorodifluoromethane
Concen: 0.503 ppbv
RT: 2.722 min Scan# 37
Delta R.T. 0.010 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Tgt Ion: 85 Resp: 76106
Ion Ratio Lower Upper
85 100
87 32.6 27.0 40.6

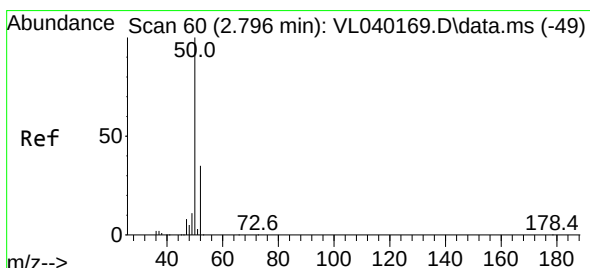
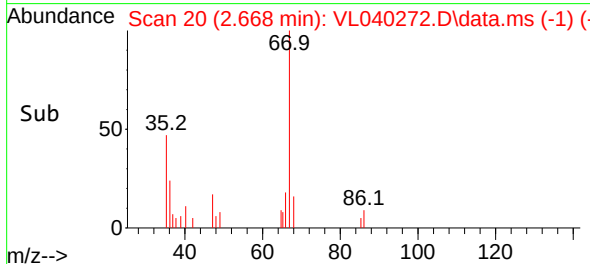
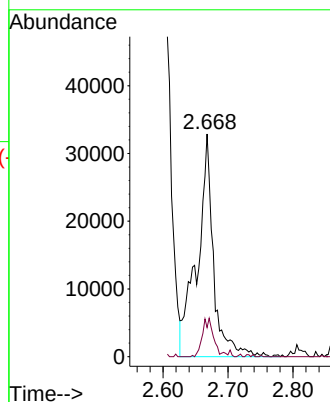
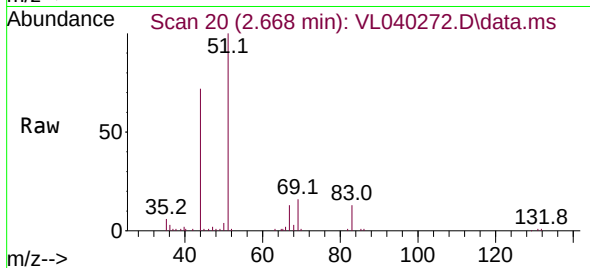




#3
Chlorodifluoromethane
Concen: 0.595 ppbv
RT: 2.668 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

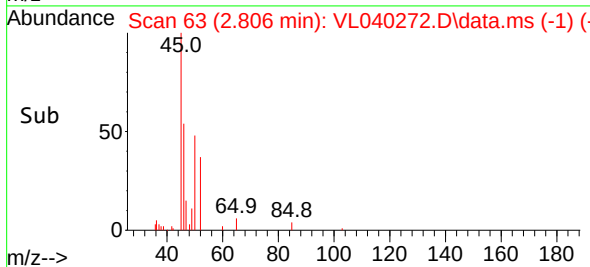
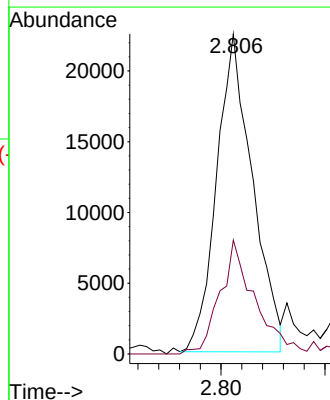
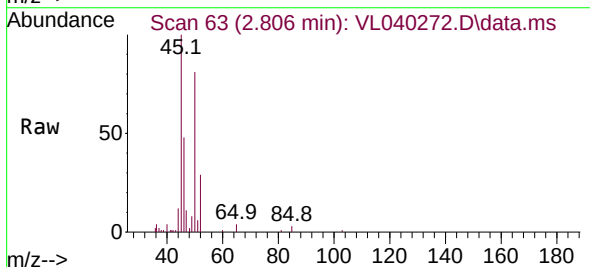
Instrument :
MSVOA_L
ClientSampleId :
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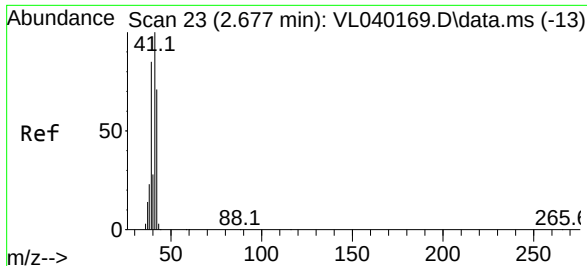
Tgt Ion: 51 Resp: 57629
Ion Ratio Lower Upper
51 100
67 12.6 15.4 23.2#



#4
Chloromethane
Concen: 0.442 ppbv
RT: 2.806 min Scan# 63
Delta R.T. 0.006 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Tgt Ion: 50 Resp: 26911
Ion Ratio Lower Upper
50 100
52 35.9 28.3 42.5





#9

Propene

Concen: 3.221 ppbv

RT: 2.864 min Scan# 81

Delta R.T. 0.186 min

Lab File: VL040272.D

Acq: 13 Mar 2023 19:47

Instrument :

MSVOA_L

ClientSampleId :

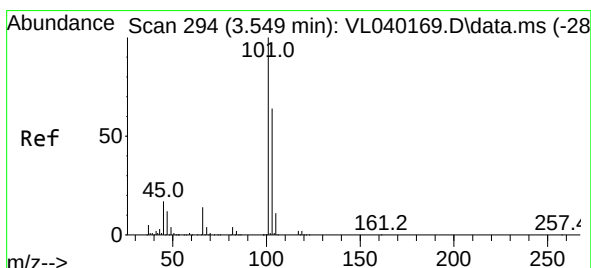
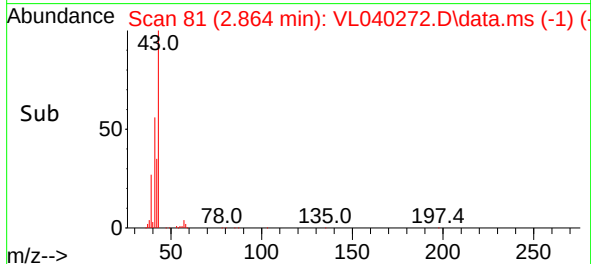
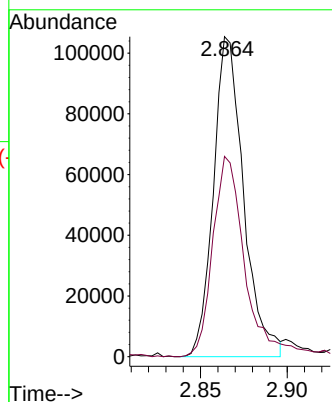
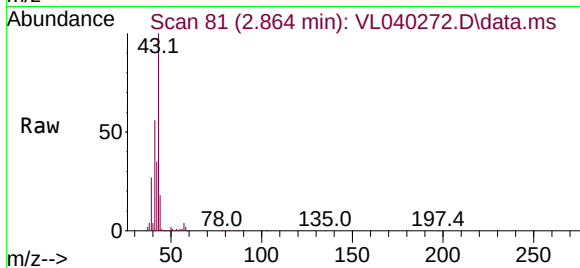
BASEMENT-REAR

Tgt Ion: 41 Resp: 127270

Ion Ratio Lower Upper

41 100

42 68.4 56.9 85.3



#11

Trichlorofluoromethane

Concen: 0.230 ppbv

RT: 3.558 min Scan# 297

Delta R.T. 0.006 min

Lab File: VL040272.D

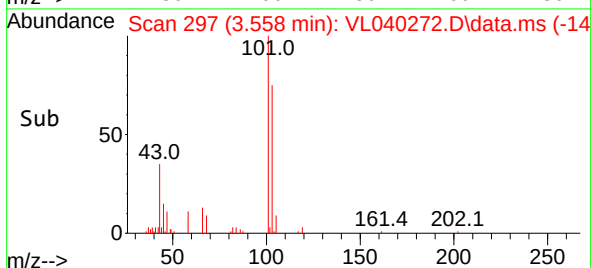
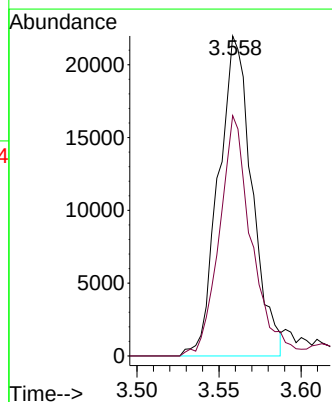
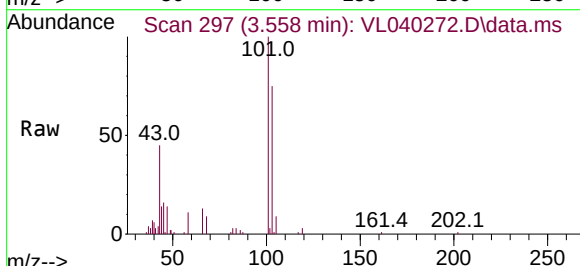
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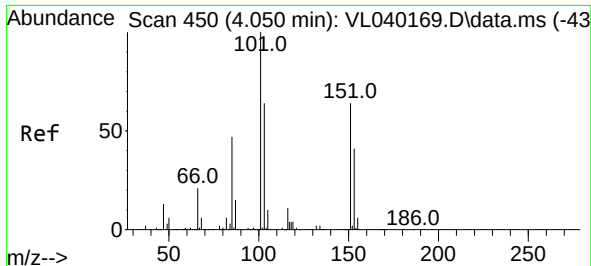
Tgt Ion: 101 Resp: 31235

Ion Ratio Lower Upper

101 100

103 75.1 51.0 76.6

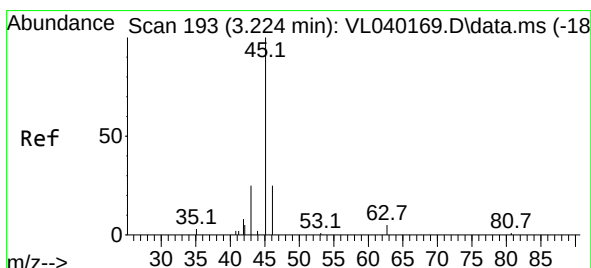
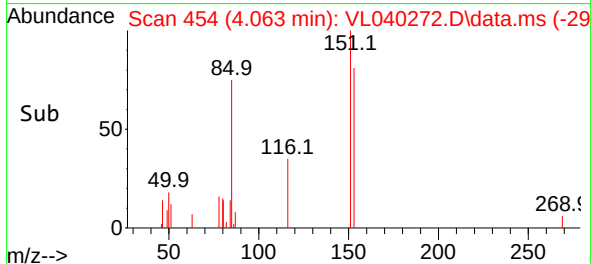
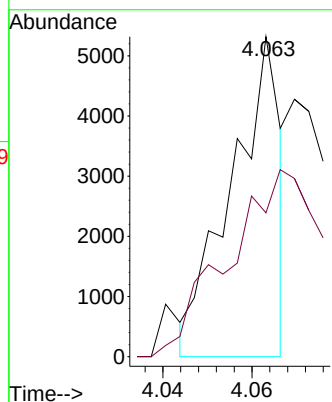
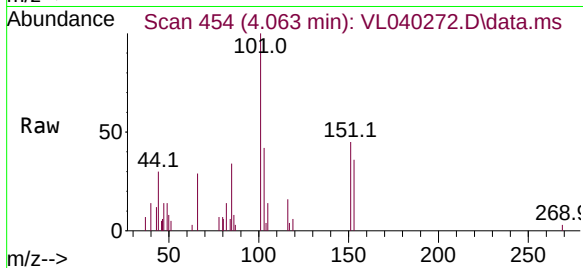




#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.041 ppbv
 RT: 4.063 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VL040272.D
 Acq: 13 Mar 2023 19:47

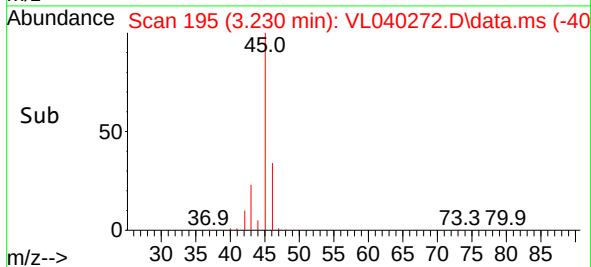
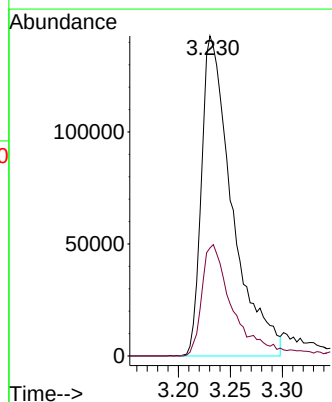
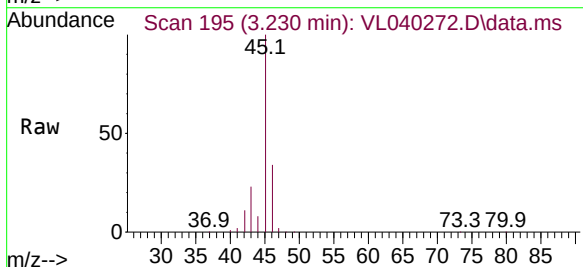
Instrument :
 MSVOA_L
 ClientSampleId :
 BASEMENT-REAR

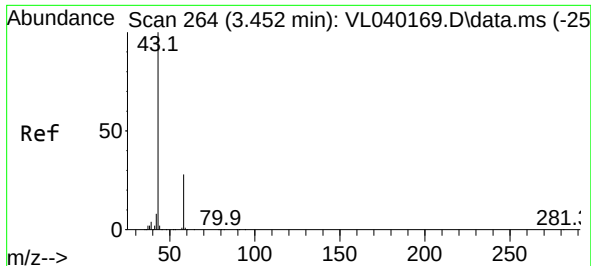
Tgt Ion:101 Resp: 4065
 Ion Ratio Lower Upper
 101 100
 151 122.6 54.7 82.1#



#13
 Ethanol
 Concen: 80.751 ppbv
 RT: 3.230 min Scan# 195
 Delta R.T. -0.000 min
 Lab File: VL040272.D
 Acq: 13 Mar 2023 19:47

Tgt Ion: 45 Resp: 293739
 Ion Ratio Lower Upper
 45 100
 46 37.0 13.3 53.1

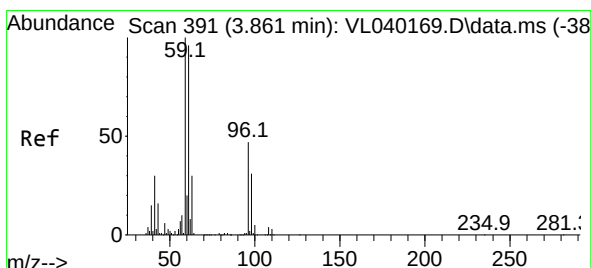
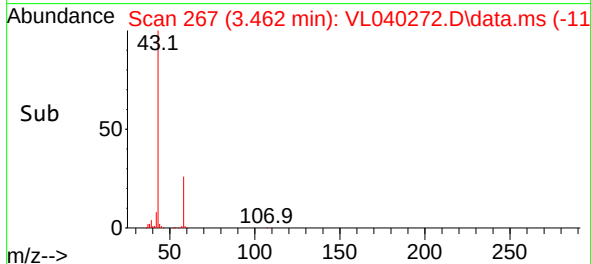
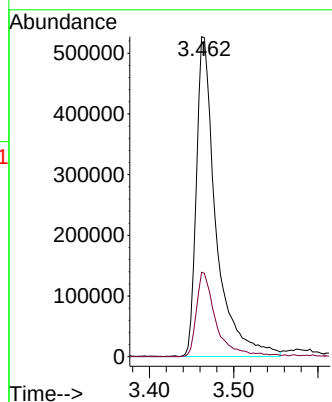
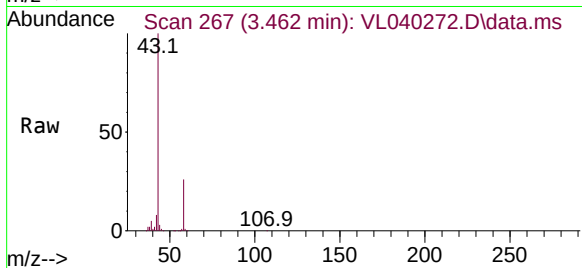




#15
Acetone
Concen: 8.723 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

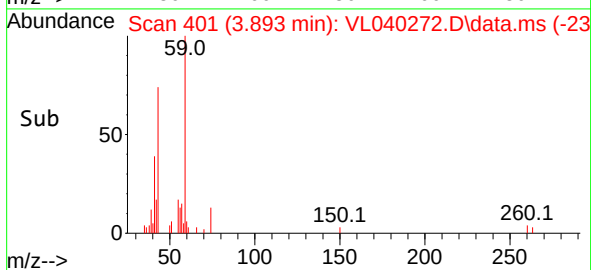
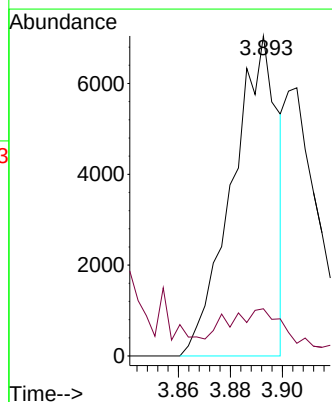
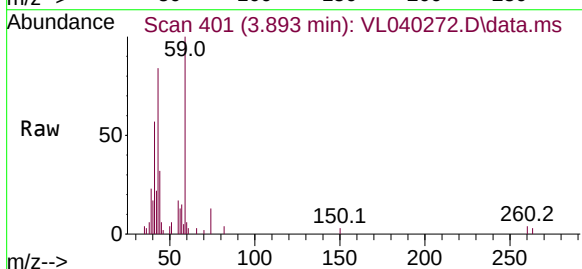
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ClientSampleId :
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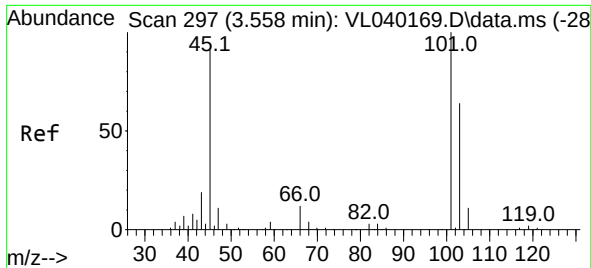
Tgt Ion: 43 Resp: 852205
Ion Ratio Lower Upper
43 100
58 27.4 22.4 33.6



#17
tert-Butyl alcohol
Concen: 0.096 ppbv
RT: 3.893 min Scan# 401
Delta R.T. 0.026 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Tgt Ion: 59 Resp: 8564
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#

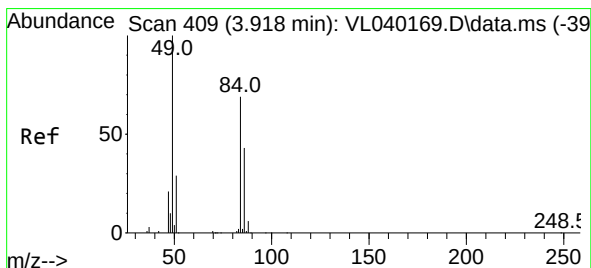
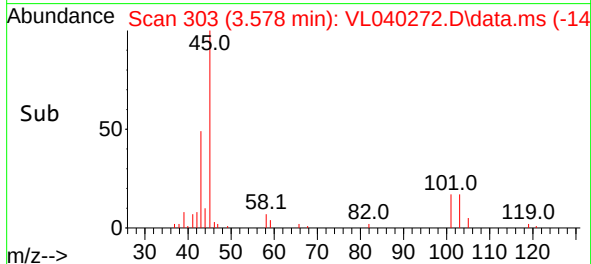
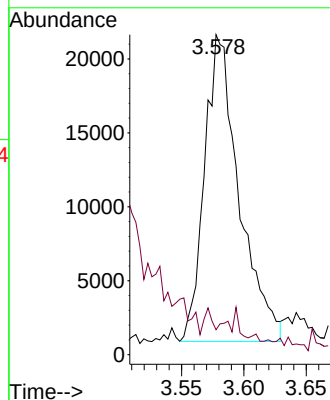
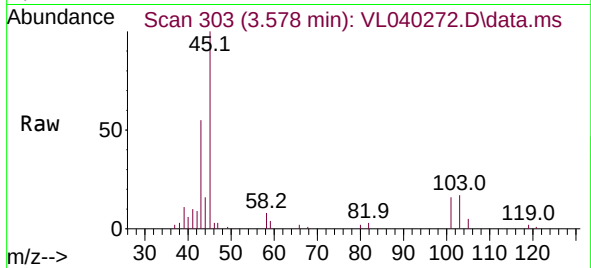




#19
Isopropyl Alcohol
Concen: 0.863 ppbv
RT: 3.578 min Scan# 303
Delta R.T. 0.016 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

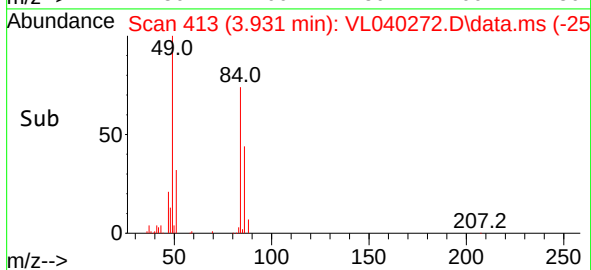
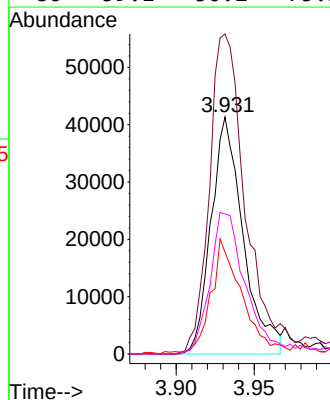
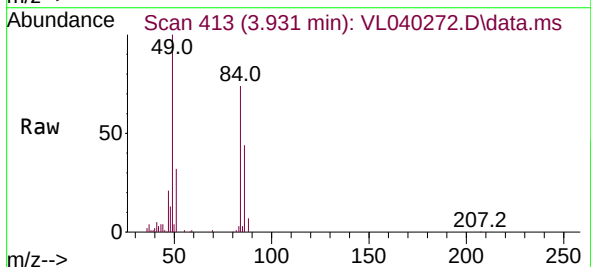
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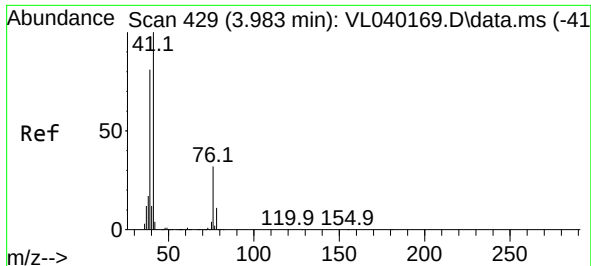
Tgt Ion: 45 Resp: 40080
Ion Ratio Lower Upper
45 100
58 583.7 2.6 3.8#



#20
Methylene Chloride
Concen: 1.165 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.010 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Tgt Ion: 84 Resp: 59270
Ion Ratio Lower Upper
84 100
49 134.5 115.5 173.3
51 42.2 33.1 49.7
86 59.1 50.2 75.2

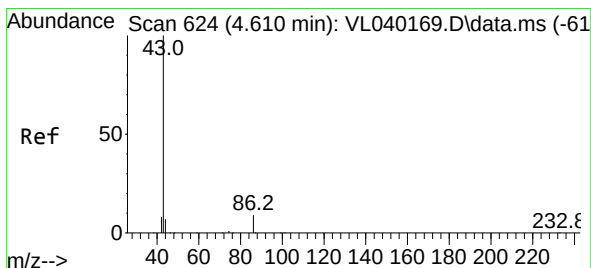
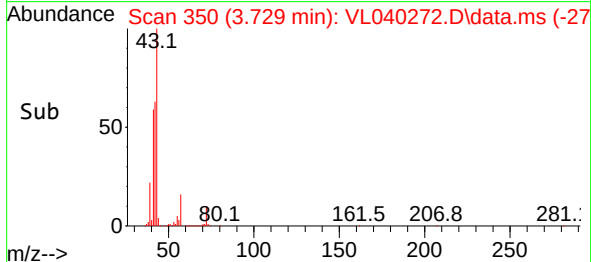
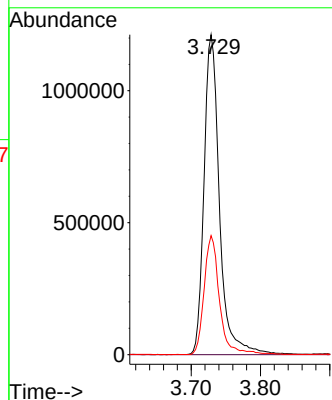
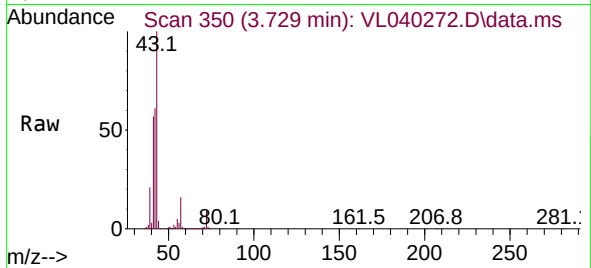




#21
 Allyl Chloride
 Concen: 31.222 ppbv
 RT: 3.729 min Scan# 31
 Delta R.T. -0.257 min
 Lab File: VL040272.D
 Acq: 13 Mar 2023 19:47

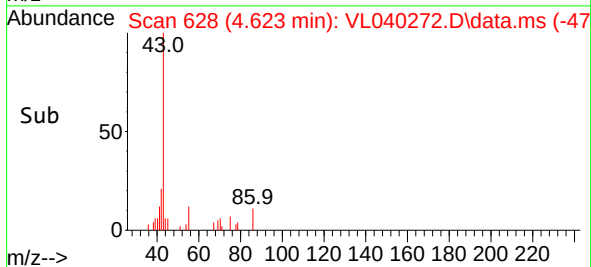
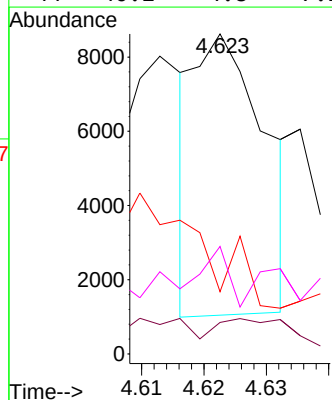
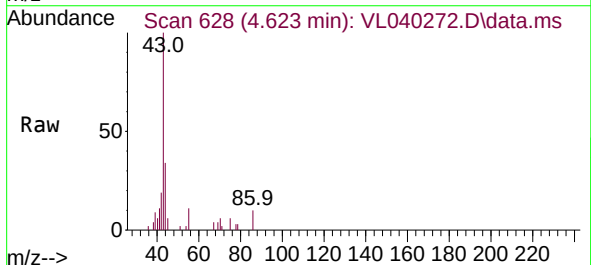
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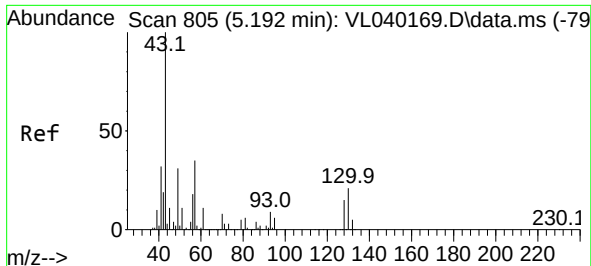
Tgt Ion: 41 Resp: 1870817
 Ion Ratio Lower Upper
 41 100
 76 0.0 25.5 38.3#
 39 37.3 64.5 96.7#



#23
 Vinyl Acetate
 Concen: 0.198 ppbv
 RT: 4.623 min Scan# 628
 Delta R.T. 0.003 min
 Lab File: VL040272.D
 Acq: 13 Mar 2023 19:47

Tgt Ion: 43 Resp: 5882
 Ion Ratio Lower Upper
 43 100
 86 0.0 5.6 8.4#
 42 15.7 7.6 11.4#
 44 40.2 4.8 7.2#

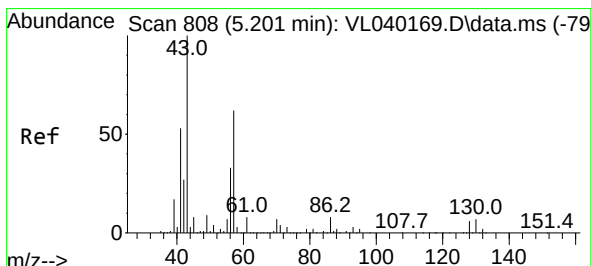
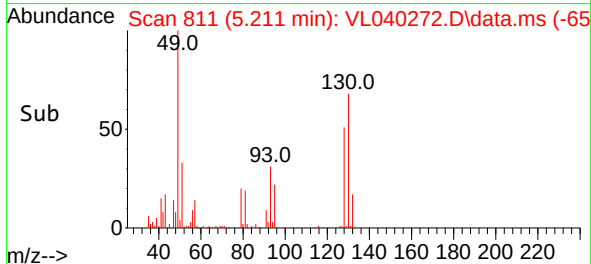
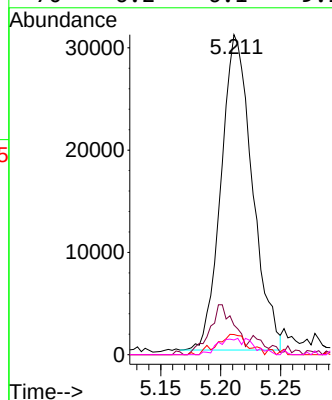
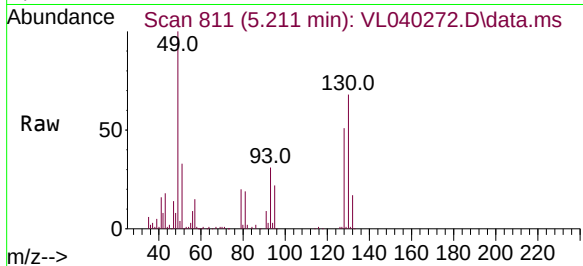




#25
Ethyl Acetate
Concen: 0.307 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.013 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

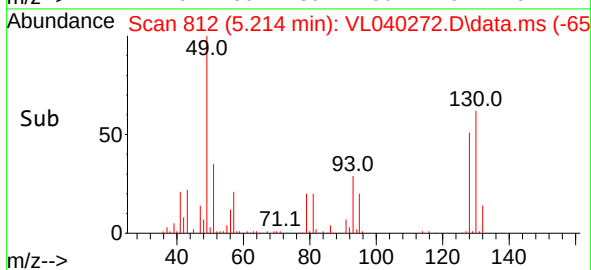
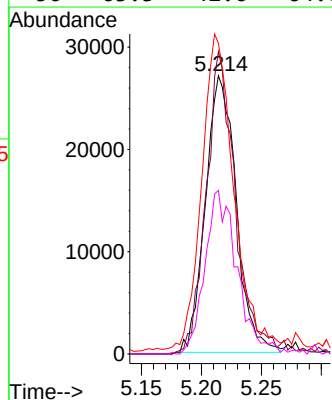
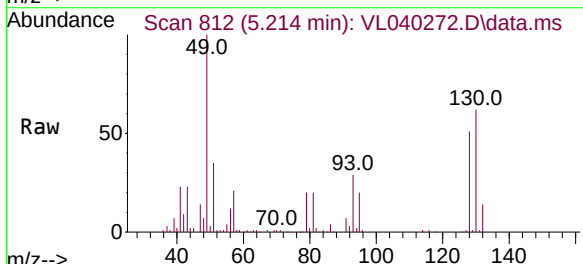
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-REAR

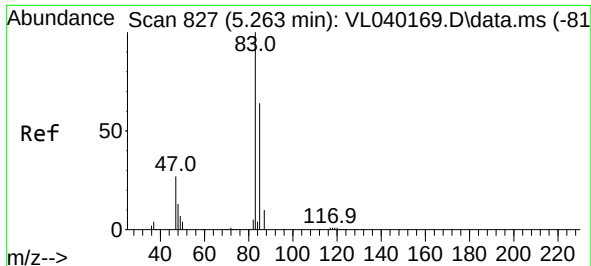
Tgt Ion: 43	Resp: 55800
Ion Ratio	Lower Upper
43 100	
45 18.1	8.3 12.5#
61 6.9	8.4 12.6#
70 6.2	6.1 9.1



#26
Hexane
Concen: 0.616 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.006 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Tgt Ion: 57	Resp: 48034
Ion Ratio	Lower Upper
57 100	
41 107.1	74.3 111.5
43 132.7	193.0 289.4#
56 63.3	42.6 64.0





#29

Chloroform

Concen: 0.038 ppbv

RT: 5.275 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL040272.D

Acq: 13 Mar 2023 19:47

Instrument :

MSVOA_L

ClientSampleId :

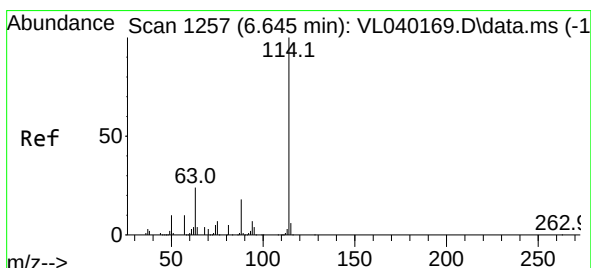
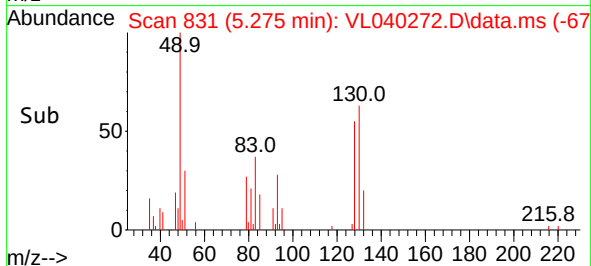
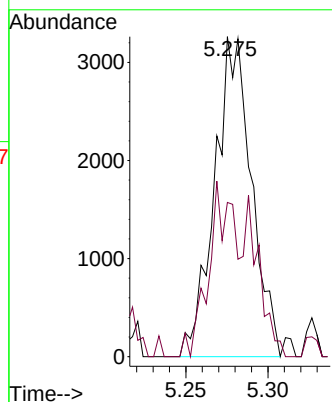
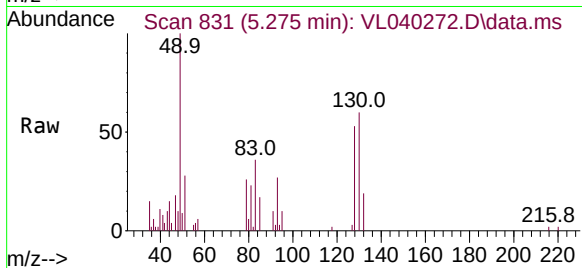
BASEMENT-REAR

Tgt Ion: 83 Resp: 5095

Ion Ratio Lower Upper

83 100

85 48.2 51.5 77.3#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. 0.003 min

Lab File: VL040272.D

Acq: 13 Mar 2023 19:47

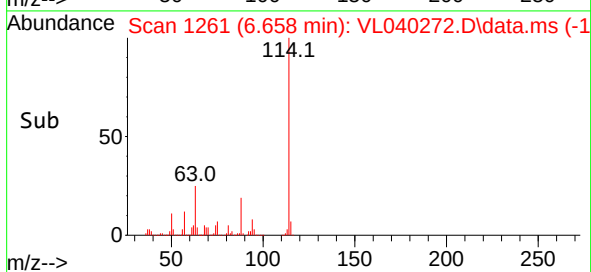
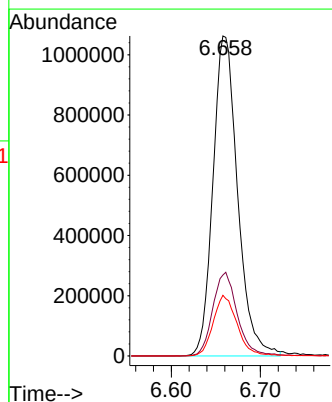
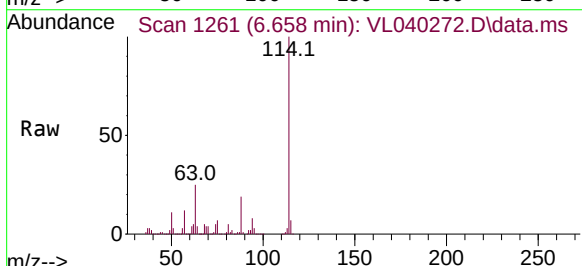
Tgt Ion: 114 Resp: 2043347

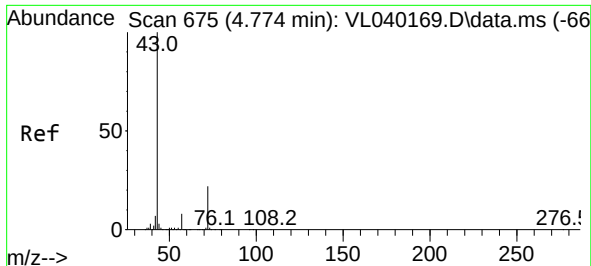
Ion Ratio Lower Upper

114 100

63 26.2 20.4 30.6

88 18.5 14.3 21.5

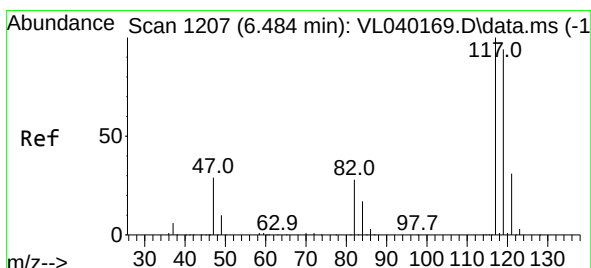
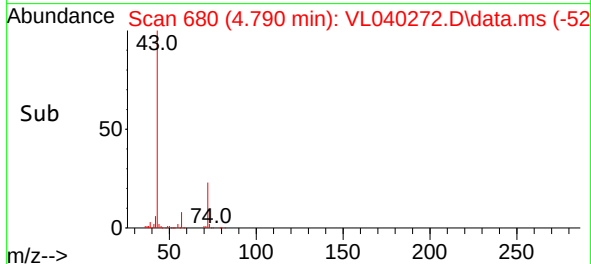
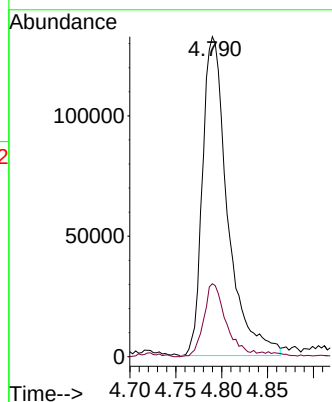
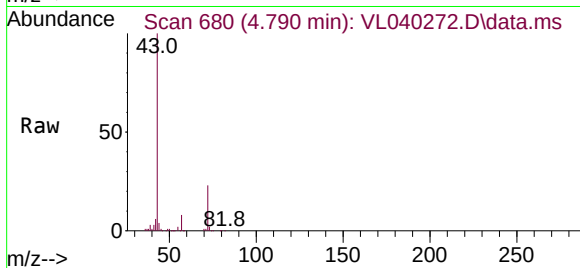




#34
2-Butanone
Concen: 2.506 ppbv
RT: 4.790 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

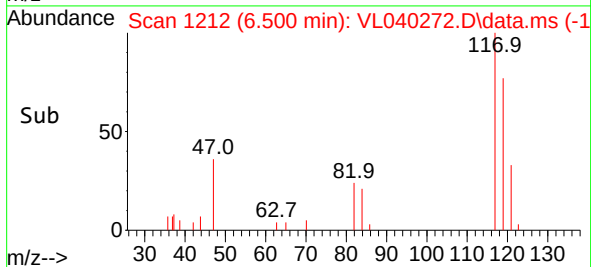
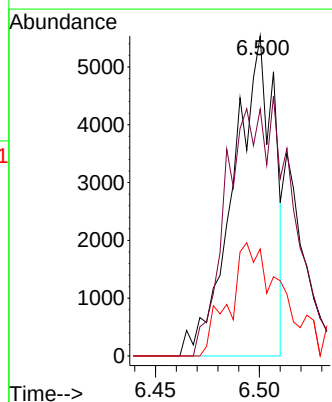
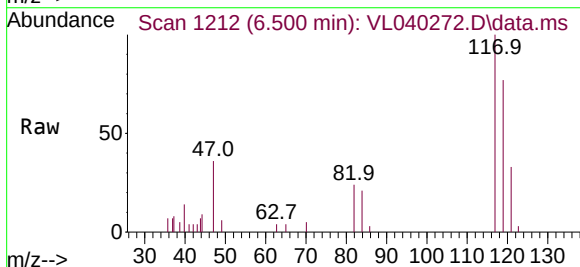
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-REAR

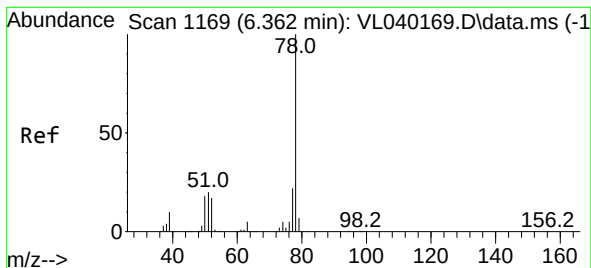
Tgt Ion: 43 Resp: 252581
Ion Ratio Lower Upper
43 100
72 22.4 17.8 26.8



#35
Carbon Tetrachloride
Concen: 0.063 ppbv
RT: 6.500 min Scan# 1212
Delta R.T. 0.010 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Tgt Ion: 117 Resp: 7581
Ion Ratio Lower Upper
117 100
119 77.2 75.0 112.6
121 33.5 25.0 37.4





#36

Benzene

Concen: 0.134 ppbv

RT: 6.372 min Scan# 1169

Delta R.T. 0.003 min

Lab File: VL040272.D

Acq: 13 Mar 2023 19:47

Instrument :

MSVOA_1

ClientSampleId :

BASEMENT-REAR

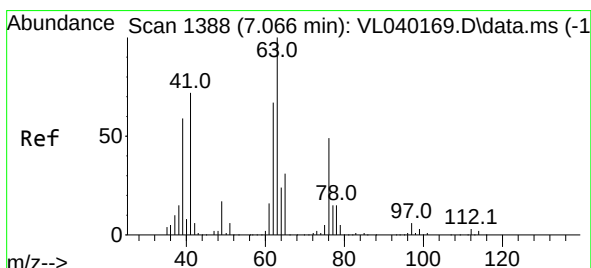
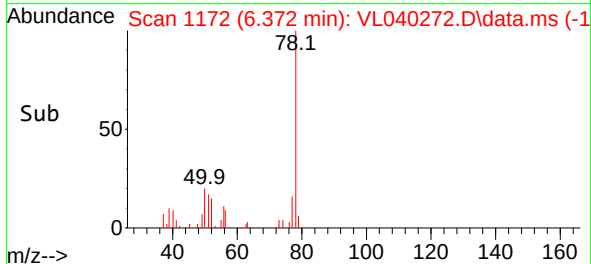
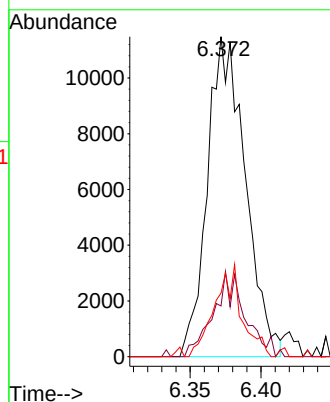
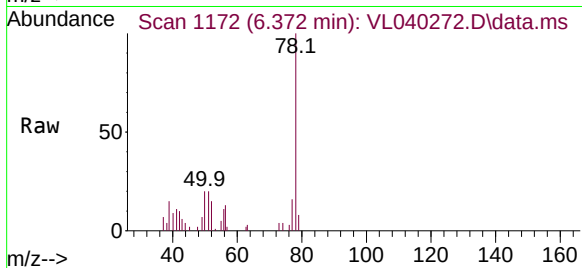
Tgt Ion: 78 Resp: 21377

Ion Ratio Lower Upper

78 100

77 15.9 17.5 26.3#

50 17.8 14.6 22.0



#39

1,2-Dichloropropane

Concen: 8.575 ppbv

RT: 6.661 min Scan# 1262

Delta R.T. -0.412 min

Lab File: VL040272.D

Acq: 13 Mar 2023 19:47

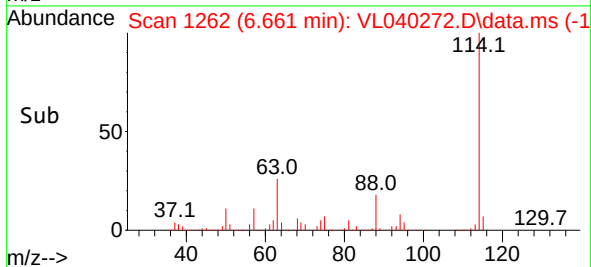
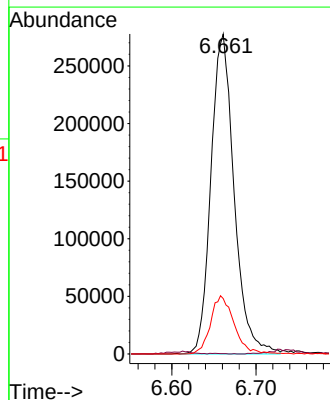
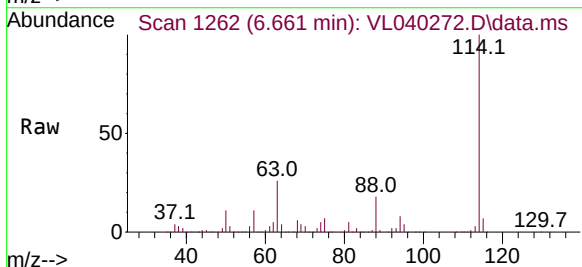
Tgt Ion: 63 Resp: 530431

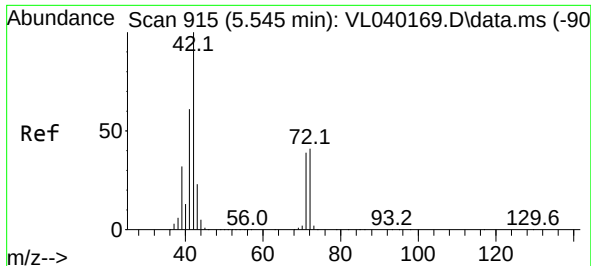
Ion Ratio Lower Upper

63 100

41 0.0 57.6 86.4#

62 17.3 54.0 81.0#

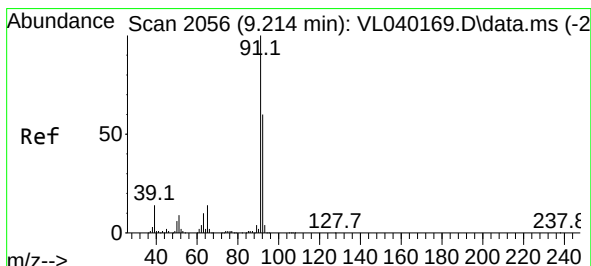
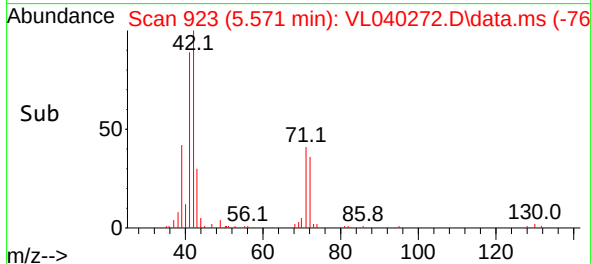
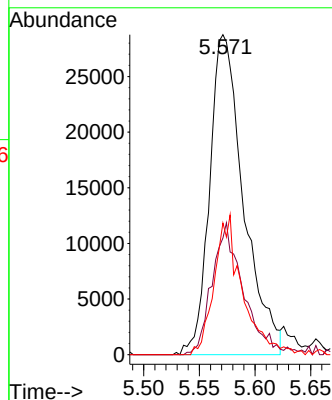
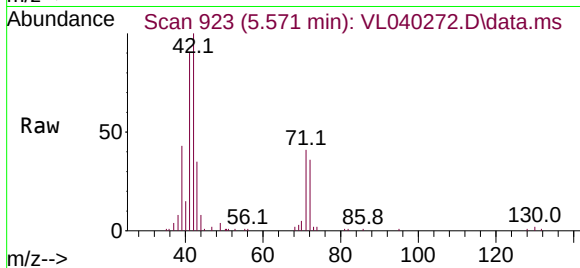




#41
Tetrahydrofuran
Concen: 1.044 ppbv
RT: 5.571 min Scan# 915
Delta R.T. 0.019 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

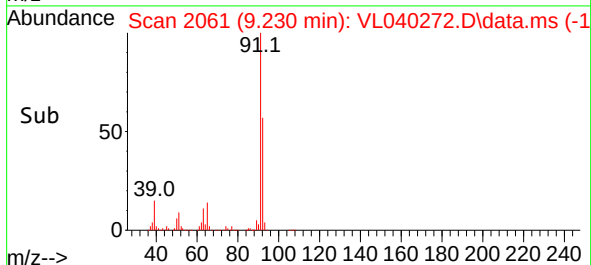
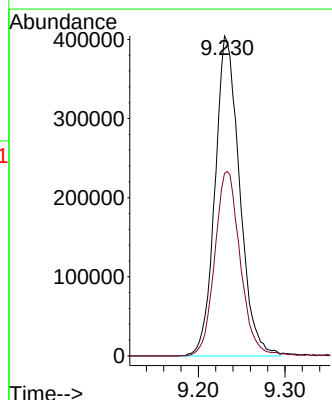
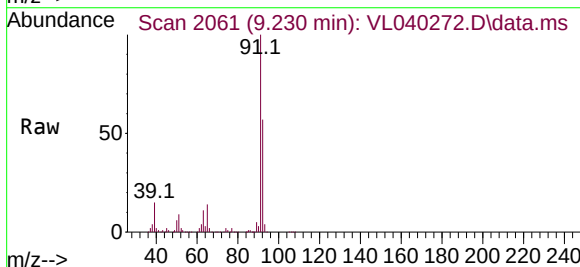
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-REAR

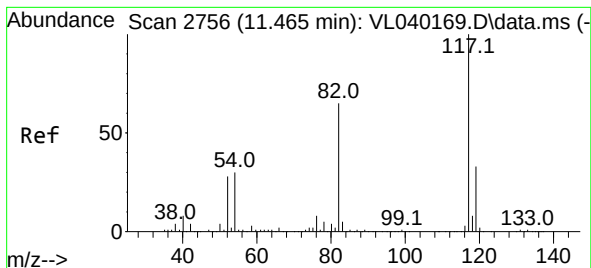
Tgt Ion: 42 Resp: 60961
Ion Ratio Lower Upper
42 100
72 38.9 33.0 49.4
71 36.3 31.4 47.2



#53
Toluene
Concen: 4.680 ppbv
RT: 9.230 min Scan# 2061
Delta R.T. 0.006 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Tgt Ion: 91 Resp: 797115
Ion Ratio Lower Upper
91 100
92 60.3 48.9 73.3

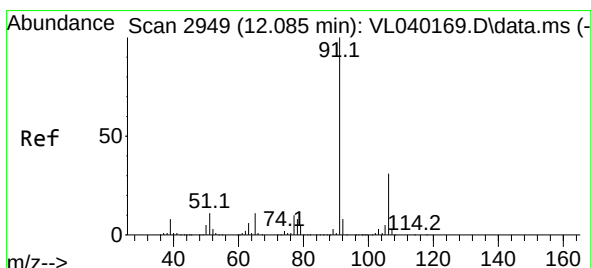
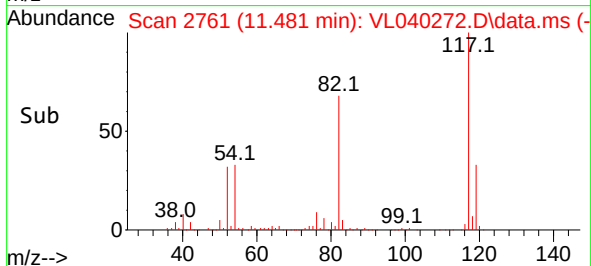
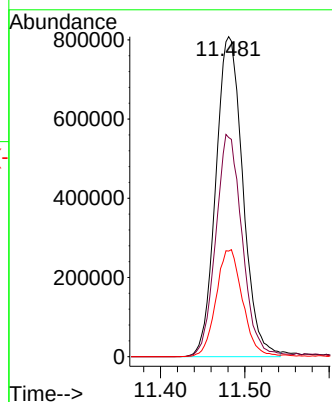
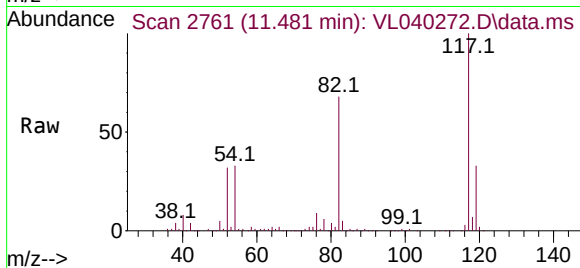




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

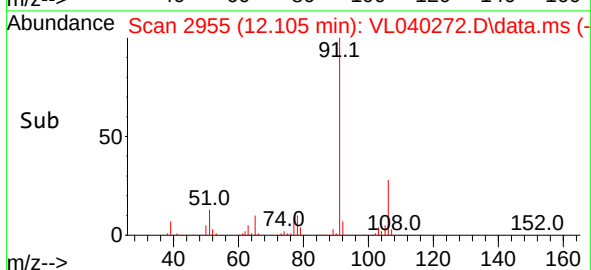
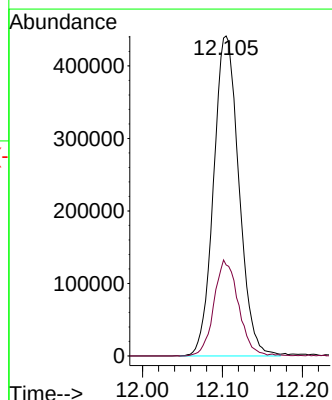
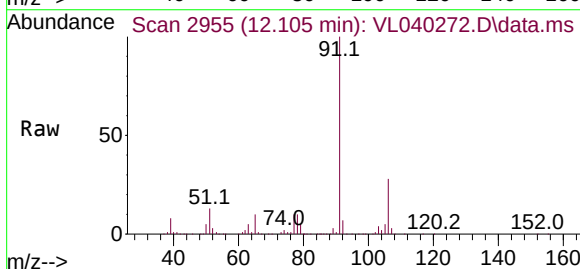
Instrument :
MSVOA_L
ClientSampleId :
BASEMENT-REAR

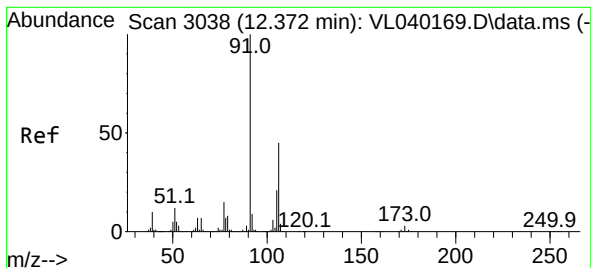
Tgt Ion:117 Resp: 1802598
Ion Ratio Lower Upper
117 100
82 68.3 53.3 79.9
119 33.0 24.6 37.0



#58
Ethyl Benzene
Concen: 4.434 ppbv
RT: 12.105 min Scan# 2955
Delta R.T. 0.010 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Tgt Ion: 91 Resp: 971099
Ion Ratio Lower Upper
91 100
106 28.4 24.9 37.3

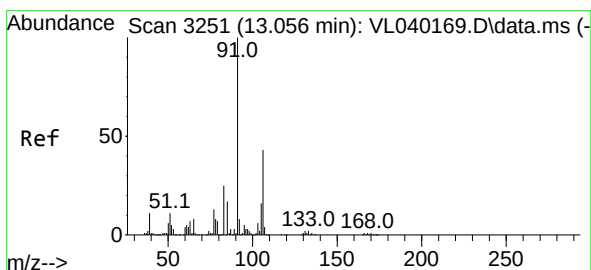
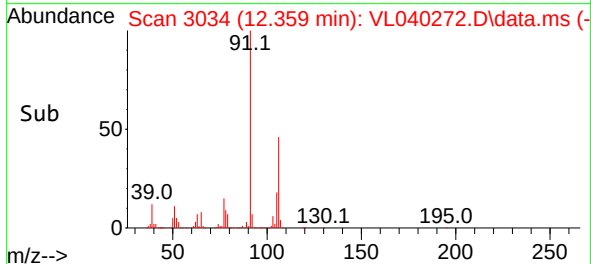
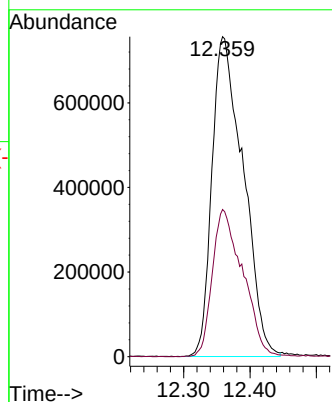
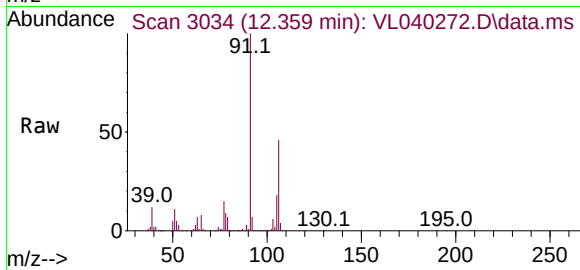




#59
m/p-Xylene
Concen: 12.712 ppbv
RT: 12.359 min Scan# 3034
Delta R.T. -0.023 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

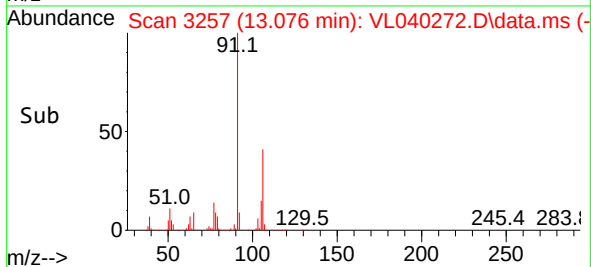
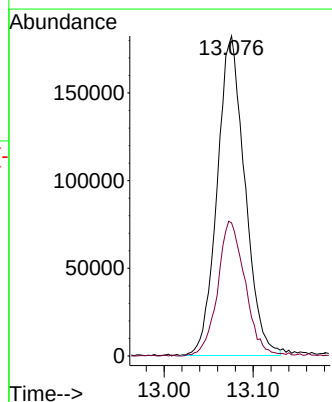
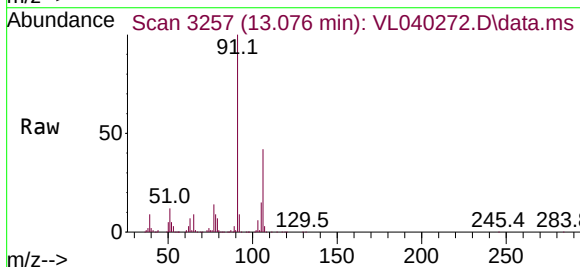
Instrument :
MSVOA_1
ClientSampleId :
BASEMENT-REAR

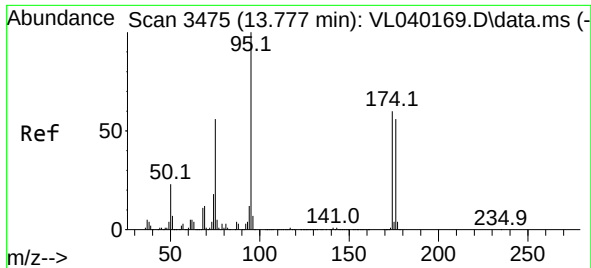
Tgt Ion: 91 Resp: 2465975
Ion Ratio Lower Upper
91 100
106 45.4 34.6 51.8



#60
o-Xylene
Concen: 2.107 ppbv
RT: 13.076 min Scan# 3257
Delta R.T. 0.010 min
Lab File: VL040272.D
Acq: 13 Mar 2023 19:47

Tgt Ion: 91 Resp: 393267
Ion Ratio Lower Upper
91 100
106 42.1 21.6 65.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.132 ppbv
 RT: 13.796 min Scan# 34
 Delta R.T. 0.013 min
 Lab File: VL040272.D
 Acq: 13 Mar 2023 19:47

Instrument :
 MSVOA_L
 ClientSampleId :
 BASEMENT-REAR

Tgt Ion: 95 Resp: 1501858
 Ion Ratio Lower Upper
 95 100
 174 58.8 48.2 72.2
 175 4.3 3.4 5.2

