

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071423\
 Data File : VL040537.D
 Acq On : 14 Jul 2023 21:56
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jul 16 23:34:18 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL071023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Mon Jul 10 16:32:00 2023
 Response via : Initial Calibration

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

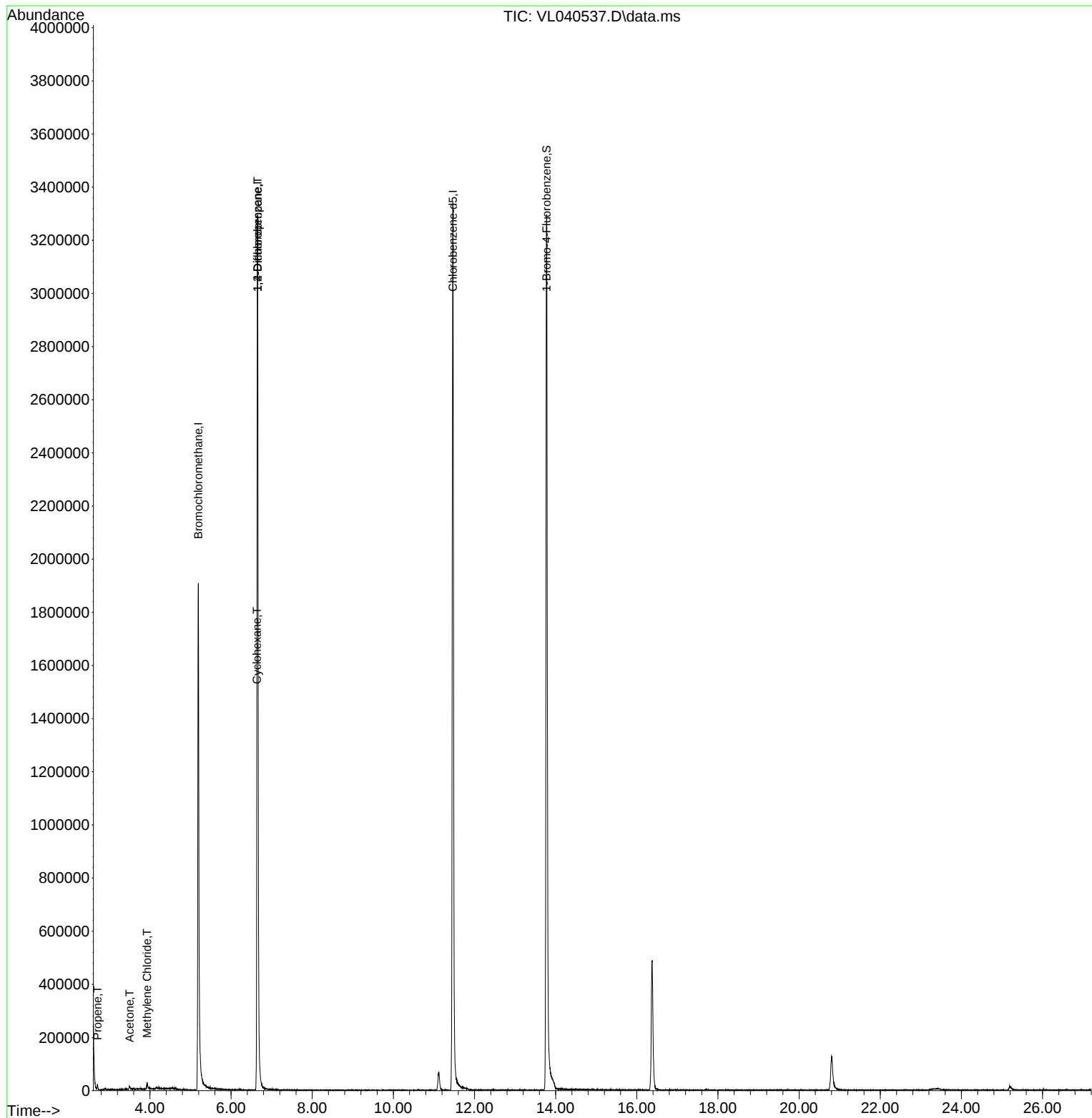
Internal Standards						
1) Bromochloromethane	5.192	49	972829	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.652	114	2578178	10.000	ppbv	-0.01
55) Chlorobenzene-d5	11.468	117	2258968	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.773	95	1718027	9.610	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.100%
Target Compounds						
					Qvalue	
9) Propene	2.703	41	5460	0.103	ppbv #	77
15) Acetone	3.501	43	11399	0.102	ppbv	91
20) Methylene Chloride	3.931	84	7114	0.149	ppbv	94
30) Cyclohexane	6.635	84	2730	0.033	ppbv #	1
39) 1,2-Dichloropropane	6.652	63	607473	7.607	ppbv #	27

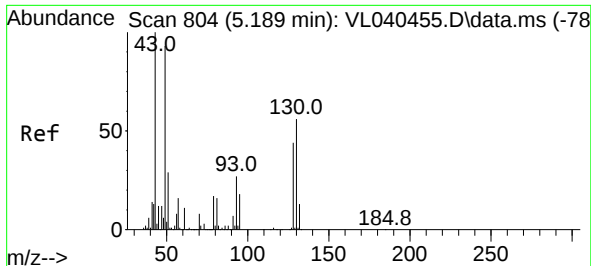
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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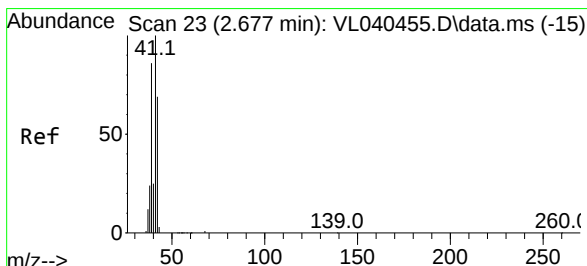
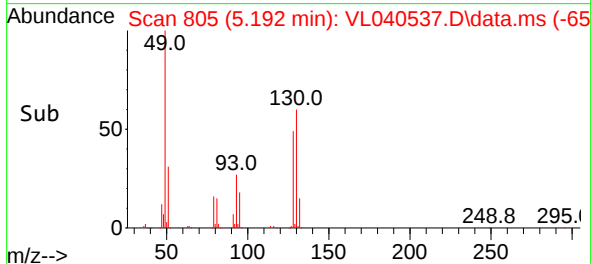
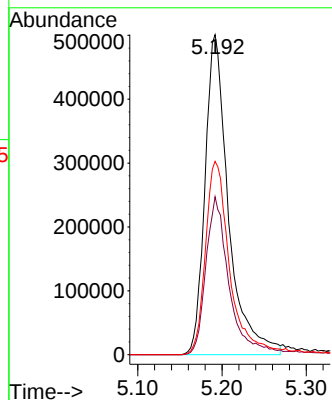
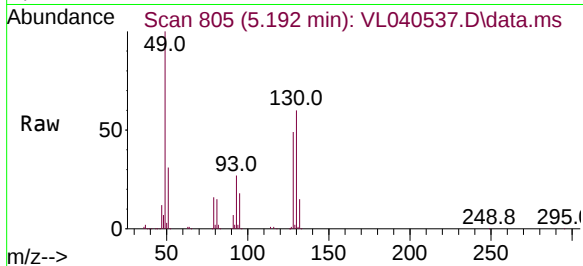




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040537.D
Acq: 14 Jul 2023 21:56

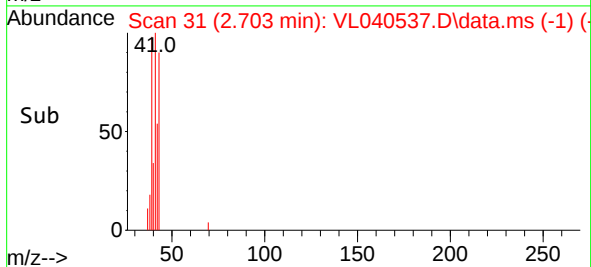
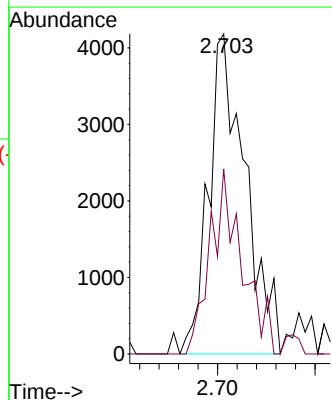
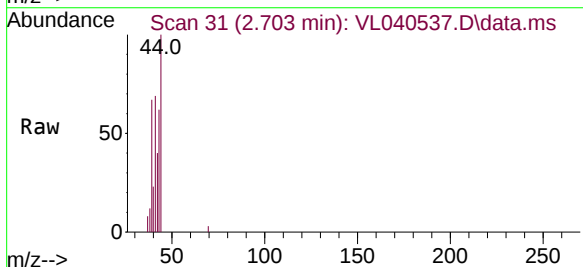
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

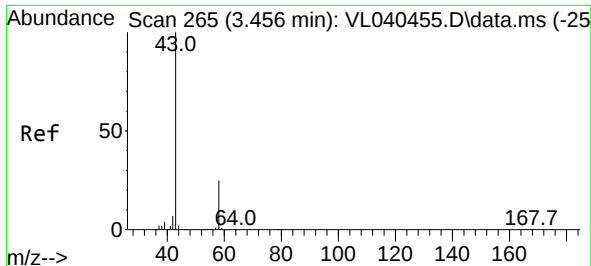
Tgt Ion: 49 Resp: 972829
Ion Ratio Lower Upper
49 100
128 50.6 25.1 75.4
130 64.6 31.6 94.7



#9
Propene
Concen: 0.103 ppbv
RT: 2.703 min Scan# 31
Delta R.T. -0.000 min
Lab File: VL040537.D
Acq: 14 Jul 2023 21:56

Tgt Ion: 41 Resp: 5460
Ion Ratio Lower Upper
41 100
42 50.2 55.0 82.6#





#15

Acetone

Concen: 0.102 ppbv

RT: 3.501 min Scan# 21

Delta R.T. 0.026 min

Lab File: VL040537.D

Acq: 14 Jul 2023 21:56

Instrument :

MSVOA_L

ClientSampleId :

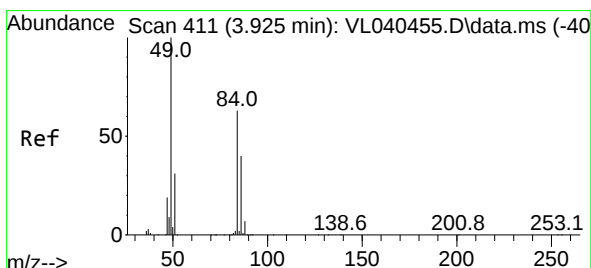
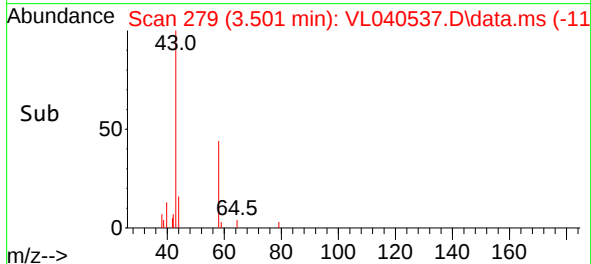
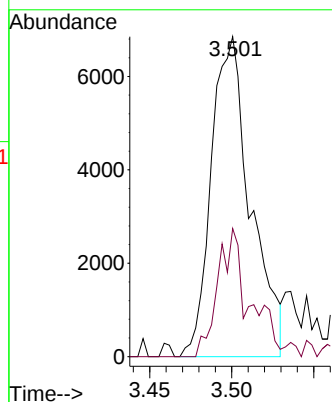
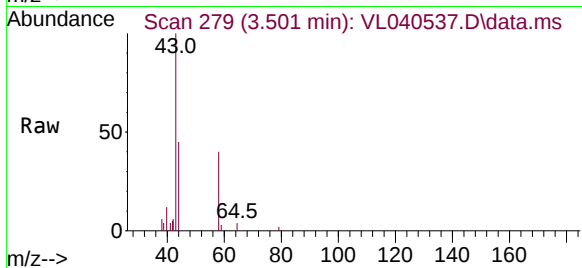
VIBLK

Tgt Ion: 43 Resp: 11399

Ion Ratio Lower Upper

43 100

58 33.2 22.9 34.3



#20

Methylene Chloride

Concen: 0.149 ppbv

RT: 3.931 min Scan# 413

Delta R.T. -0.010 min

Lab File: VL040537.D

Acq: 14 Jul 2023 21:56

Tgt Ion: 84 Resp: 7114

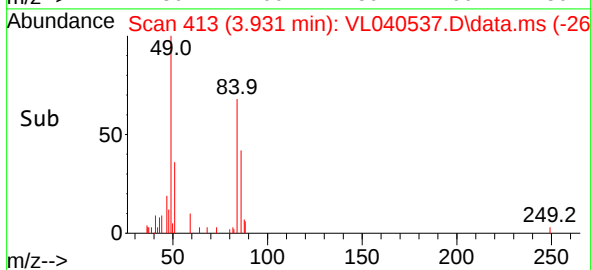
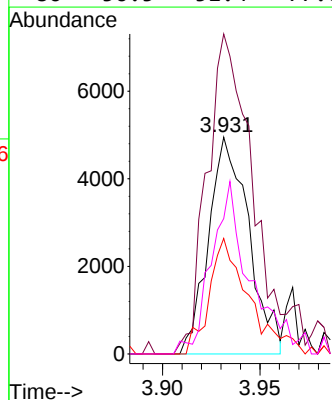
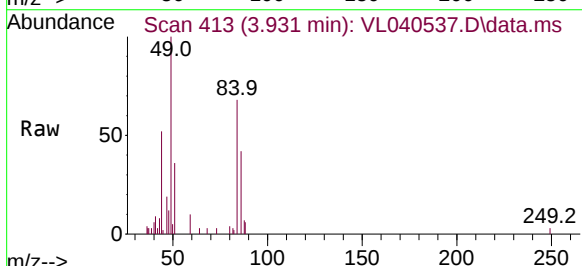
Ion Ratio Lower Upper

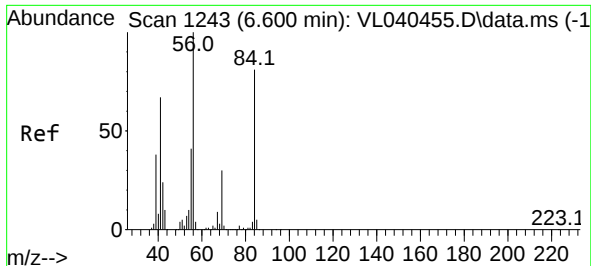
84 100

49 149.9 123.4 185.2

51 53.3 38.3 57.5

86 56.5 51.4 77.0

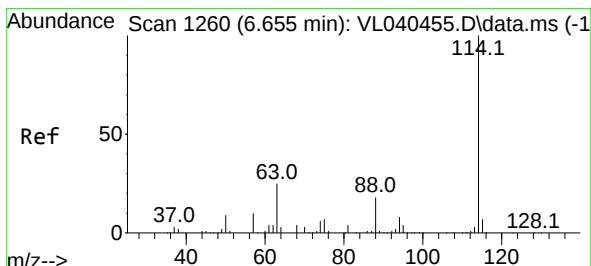
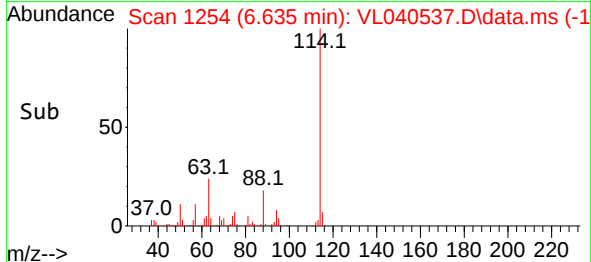
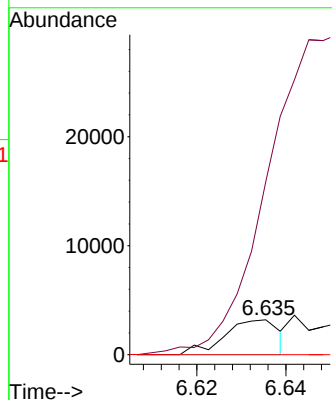
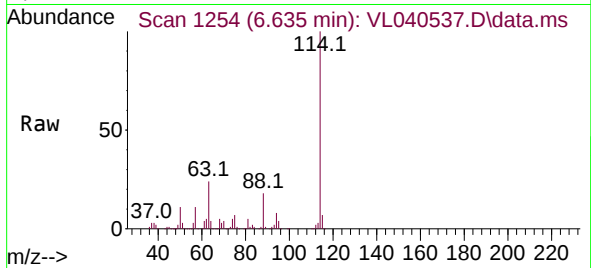




#30
Cyclohexane
Concen: 0.033 ppbv
RT: 6.635 min Scan# 11
Delta R.T. 0.026 min
Lab File: VL040537.D
Acq: 14 Jul 2023 21:56

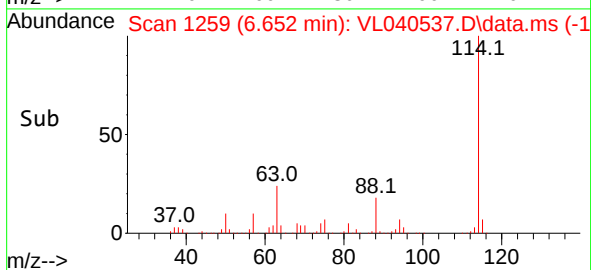
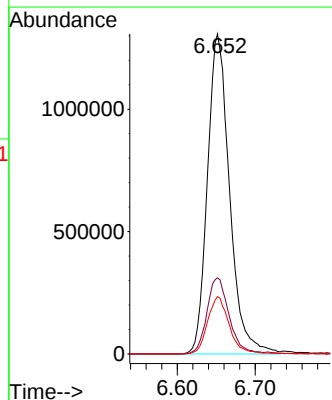
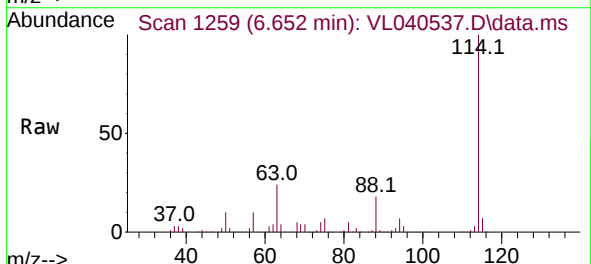
Instrument :
MSVOA_L
ClientSampleId :
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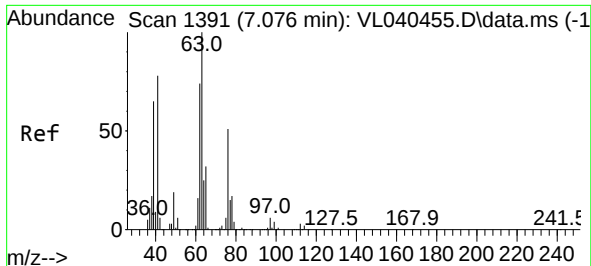
Tgt Ion: 84 Resp: 2730
Ion Ratio Lower Upper
84 100
56 0.0 108.7 163.1#
41 2.6 64.5 96.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.652 min Scan# 1259
Delta R.T. -0.013 min
Lab File: VL040537.D
Acq: 14 Jul 2023 21:56

Tgt Ion: 114 Resp: 2578178
Ion Ratio Lower Upper
114 100
63 24.2 19.6 29.4
88 17.7 14.2 21.2





#39

1,2-Dichloropropane

Concen: 7.607 ppbv

RT: 6.652 min Scan# 1

Delta R.T. -0.431 min

Lab File: VL040537.D

Acq: 14 Jul 2023 21:56

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

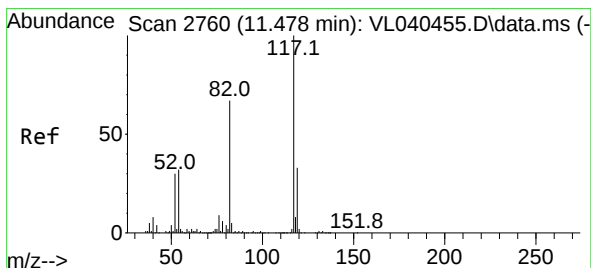
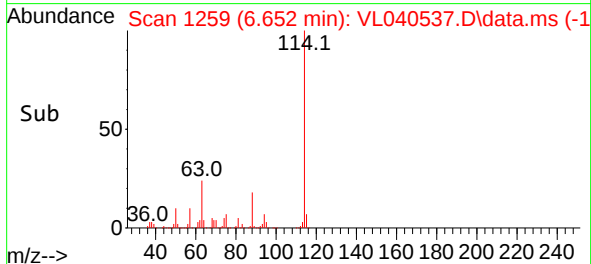
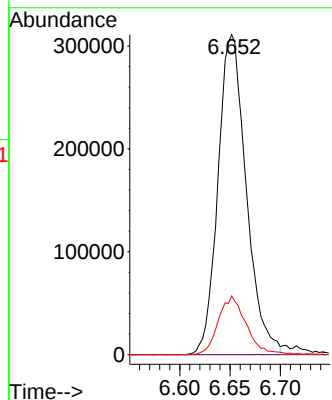
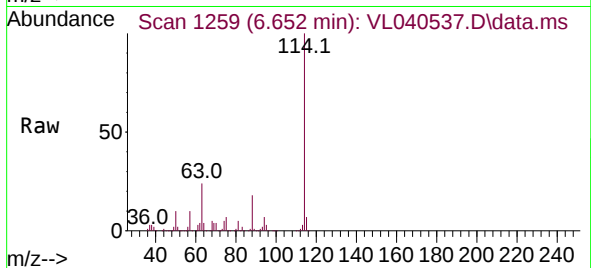
Tgt Ion: 63 Resp: 607473

Ion Ratio Lower Upper

63 100

41 0.0 54.3 81.5#

62 18.4 55.6 83.4#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 2757

Delta R.T. -0.010 min

Lab File: VL040537.D

Acq: 14 Jul 2023 21:56

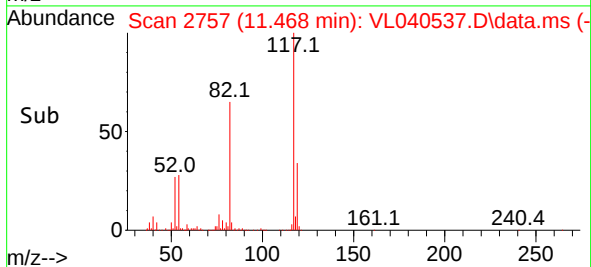
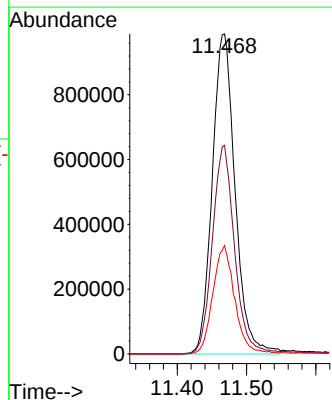
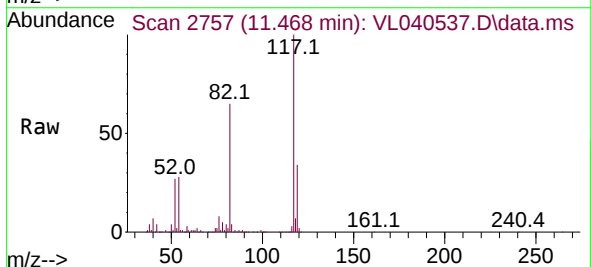
Tgt Ion: 117 Resp: 2258968

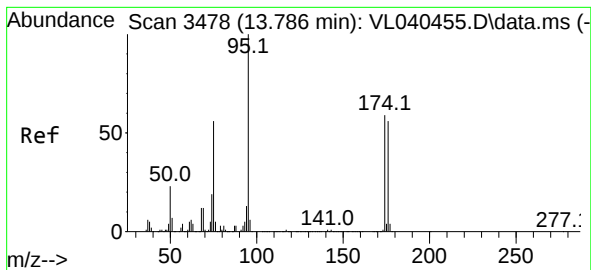
Ion Ratio Lower Upper

117 100

82 64.3 50.2 75.4

119 32.6 26.9 40.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.610 ppbv
 RT: 13.773 min Scan# 34
 Delta R.T. -0.010 min
 Lab File: VL040537.D
 Acq: 14 Jul 2023 21:56

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion: 95 Resp: 1718027

Ion	Ratio	Lower	Upper
95	100		
174	65.2	50.6	75.8
175	4.5	3.7	5.5

