

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040044.D
 Acq On : 20 Dec 2022 1:23
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Dec 20 05:18:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Dec 20 04:50:21 2022
 Response via : Initial Calibration

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

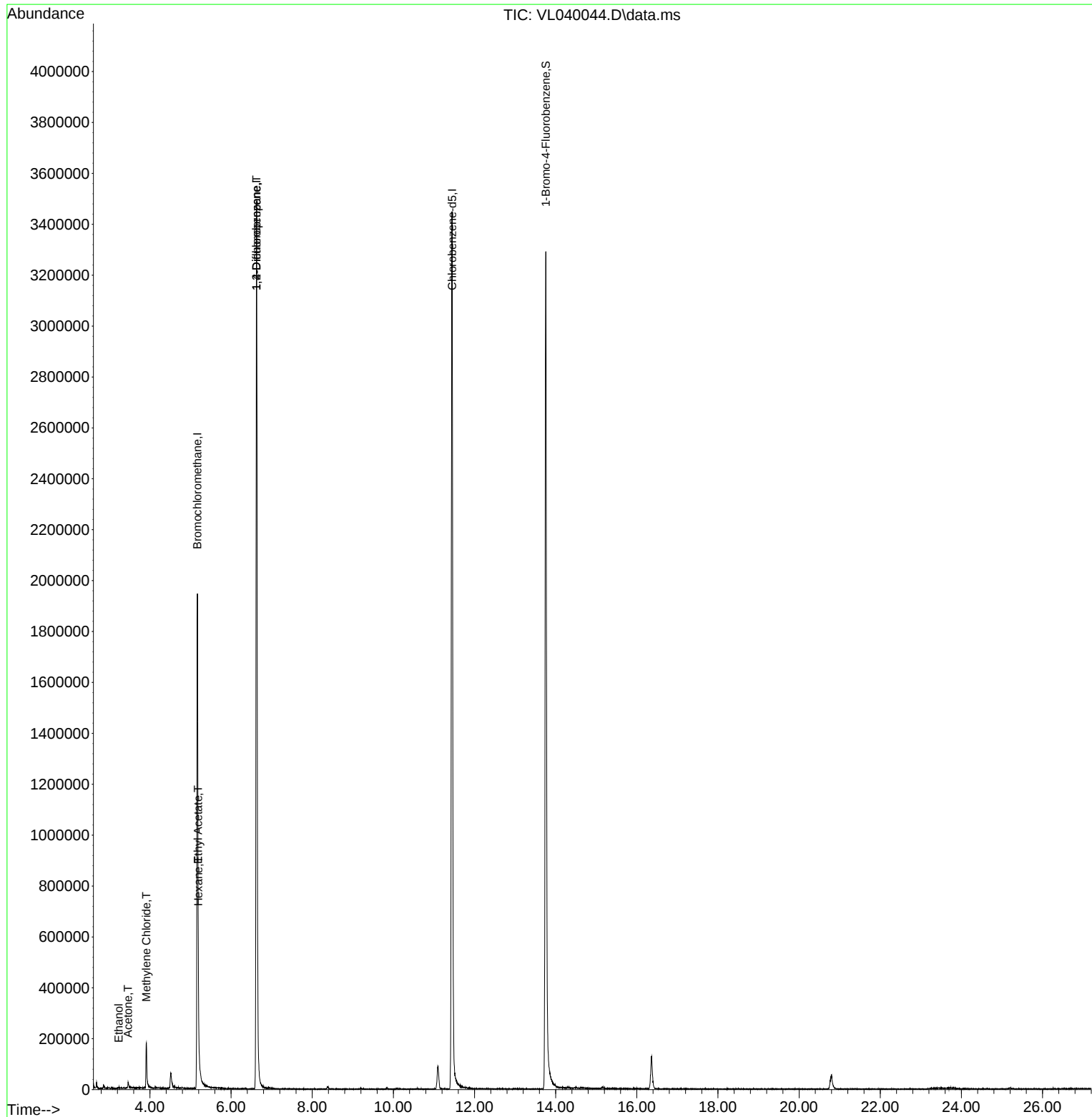
Internal Standards						
1) Bromochloromethane	5.169	49	988687	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	2758010	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.446	117	2349864	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1764460	9.830	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
13) Ethanol	3.231	45	1388	0.238	ppbv #	40
15) Acetone	3.462	43	22262	0.146	ppbv #	86
20) Methylene Chloride	3.915	84	57412	0.883	ppbv	98
25) Ethyl Acetate	5.189	43	20321	0.077	ppbv #	74
26) Hexane	5.192	57	30206	0.271	ppbv #	39
39) 1,2-Dichloropropane	6.629	63	642660	6.961	ppbv #	23

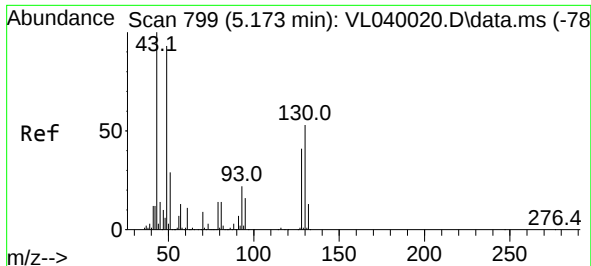
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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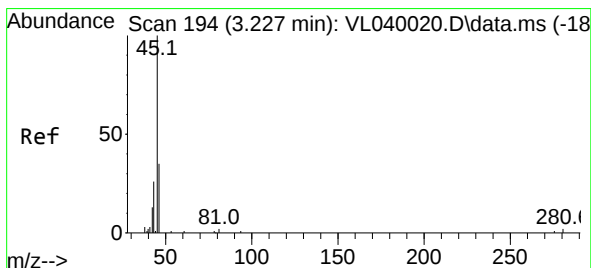
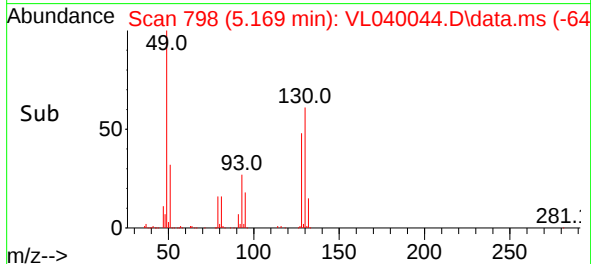
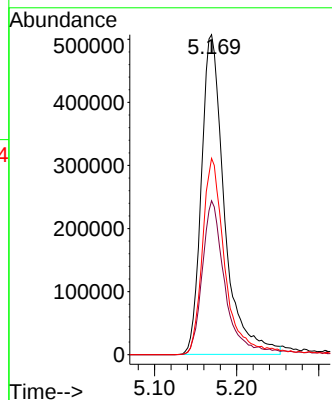
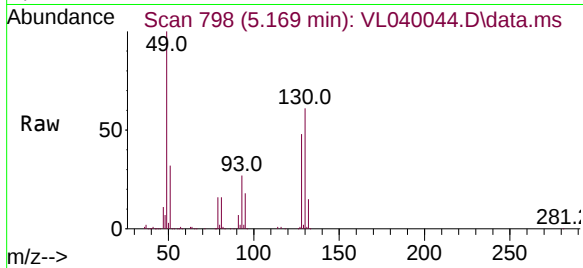




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 799
Delta R.T. -0.004 min
Lab File: VL040044.D
Acq: 20 Dec 2022 1:23

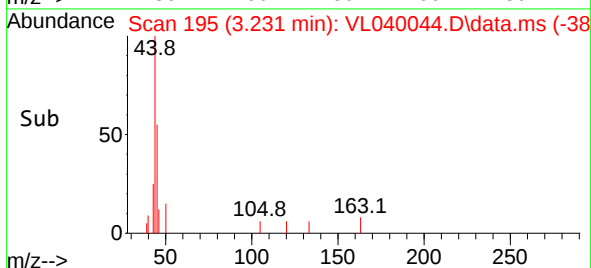
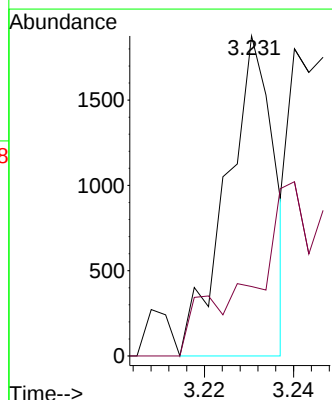
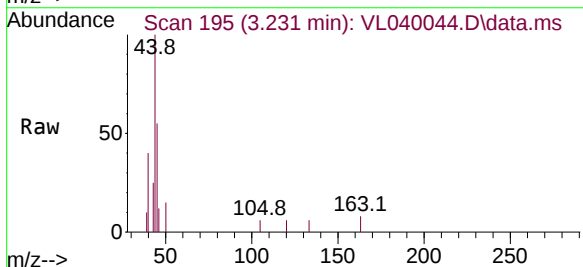
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

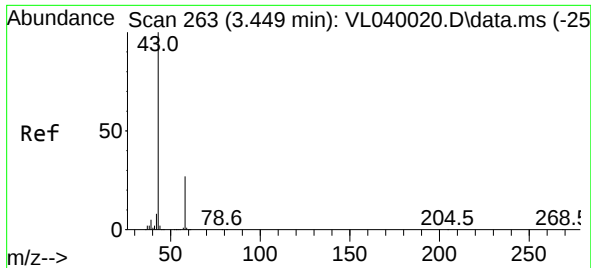
Tgt Ion: 49 Resp: 988687
Ion Ratio Lower Upper
49 100
128 48.6 22.4 67.3
130 61.2 28.9 86.8



#13
Ethanol
Concen: 0.238 ppbv
RT: 3.231 min Scan# 195
Delta R.T. 0.003 min
Lab File: VL040044.D
Acq: 20 Dec 2022 1:23

Tgt Ion: 45 Resp: 1388
Ion Ratio Lower Upper
45 100
46 0.0 13.7 54.7#





#15

Acetone

Concen: 0.146 ppbv

RT: 3.462 min Scan# 2

Delta R.T. 0.013 min

Lab File: VL040044.D

Acq: 20 Dec 2022 1:23

Instrument :

MSVOA_L

ClientSampleId :

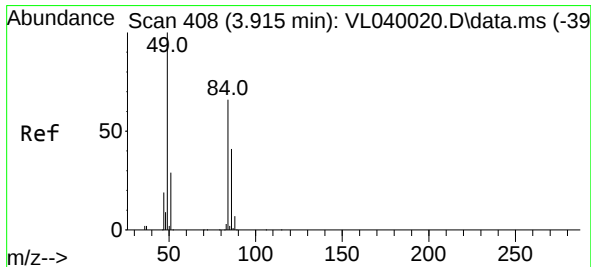
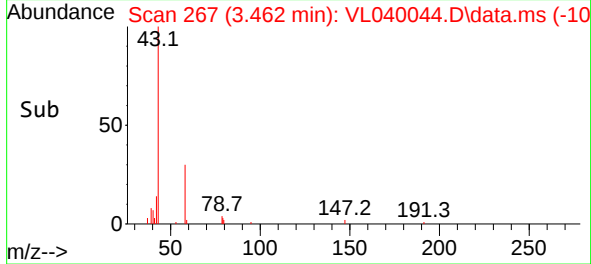
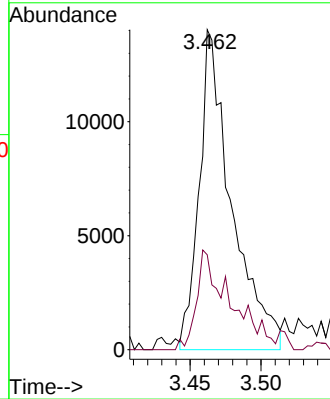
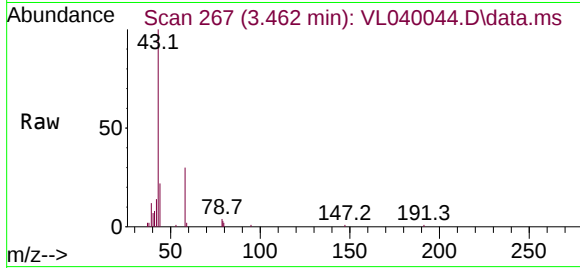
VIBLK

Tgt Ion: 43 Resp: 22262

Ion Ratio Lower Upper

43 100

58 34.7 21.8 32.8#



#20

Methylene Chloride

Concen: 0.883 ppbv

RT: 3.915 min Scan# 408

Delta R.T. 0.000 min

Lab File: VL040044.D

Acq: 20 Dec 2022 1:23

Tgt Ion: 84 Resp: 57412

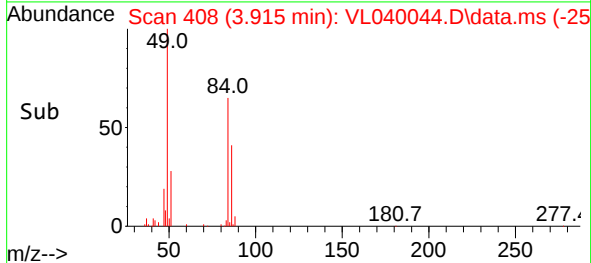
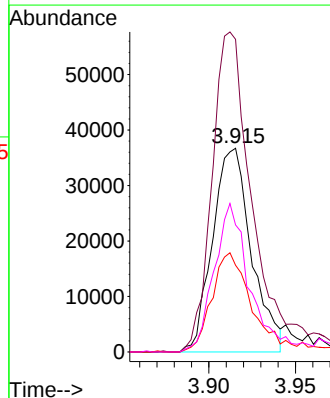
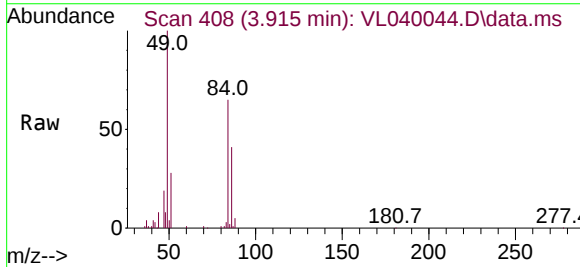
Ion Ratio Lower Upper

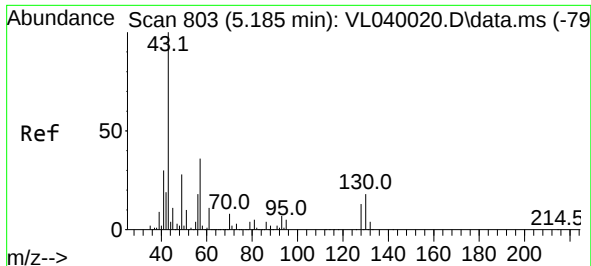
84 100

49 153.5 120.5 180.7

51 42.6 35.2 52.8

86 62.4 49.8 74.6

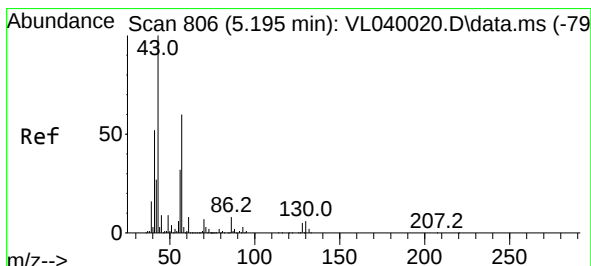
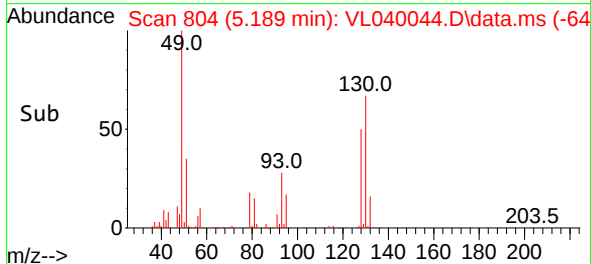
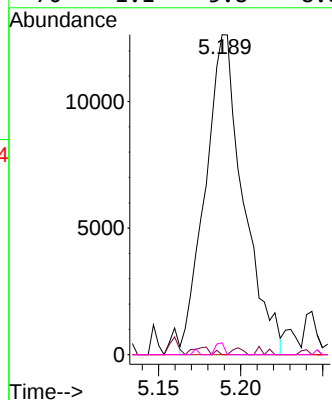
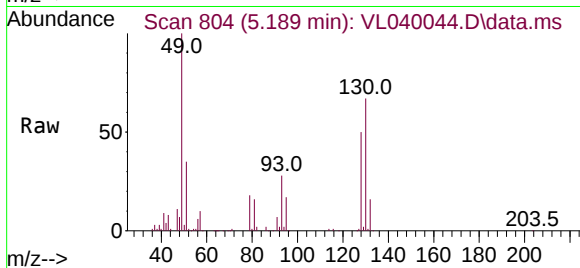




#25
Ethyl Acetate
Concen: 0.077 ppbv
RT: 5.189 min Scan# 803
Delta R.T. 0.003 min
Lab File: VL040044.D
Acq: 20 Dec 2022 1:23

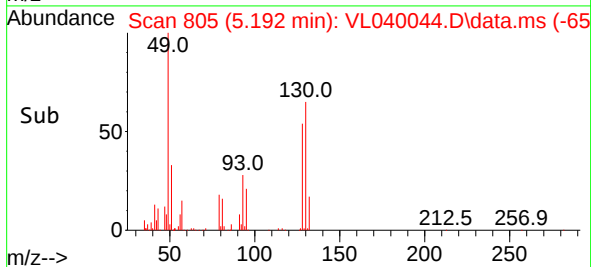
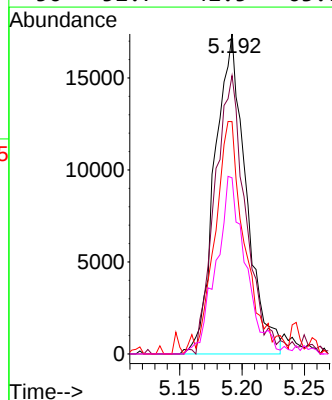
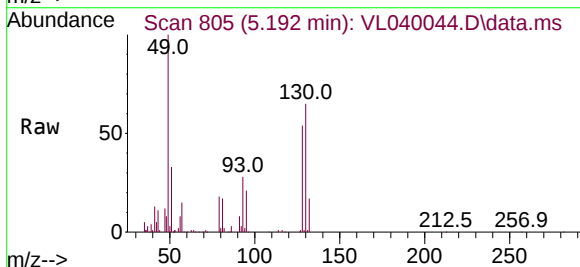
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

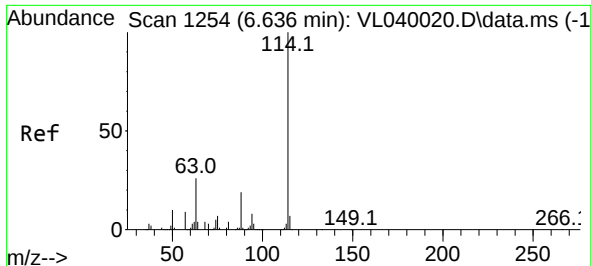
Tgt Ion: 43 Resp: 20321
Ion Ratio Lower Upper
43 100
45 0.0 8.6 12.8#
61 0.0 8.5 12.7#
70 1.1 5.8 8.8#



#26
Hexane
Concen: 0.271 ppbv
RT: 5.192 min Scan# 805
Delta R.T. -0.003 min
Lab File: VL040044.D
Acq: 20 Dec 2022 1:23

Tgt Ion: 57 Resp: 30206
Ion Ratio Lower Upper
57 100
41 90.0 72.1 108.1
43 75.5 192.1 288.1#
56 52.7 42.5 63.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.629 min Scan# 11

Delta R.T. -0.006 min

Lab File: VL040044.D

Acq: 20 Dec 2022 1:23

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

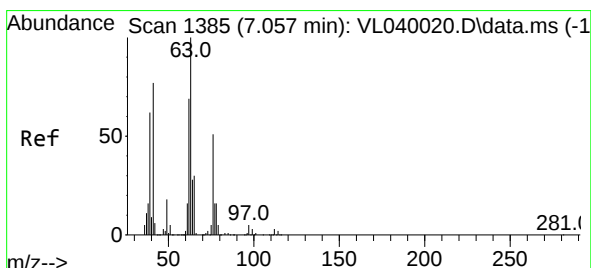
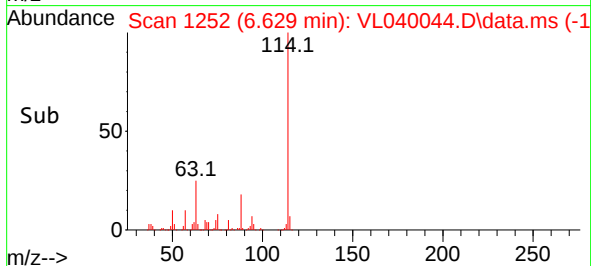
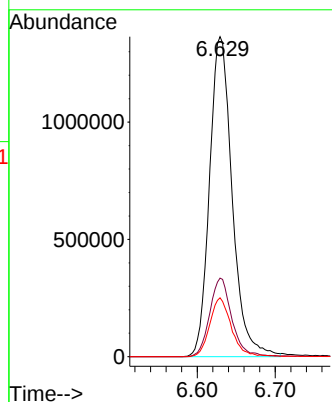
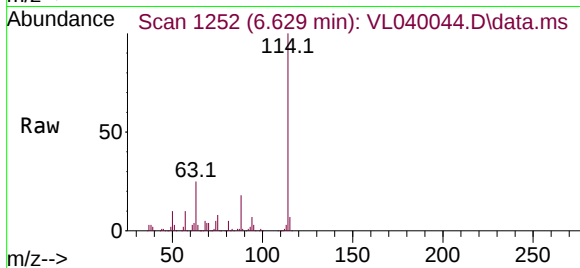
Tgt Ion:114 Resp: 2758010

Ion Ratio Lower Upper

114 100

63 24.2 20.2 30.2

88 17.6 14.6 21.8



#39

1,2-Dichloropropane

Concen: 6.961 ppbv

RT: 6.629 min Scan# 1252

Delta R.T. -0.428 min

Lab File: VL040044.D

Acq: 20 Dec 2022 1:23

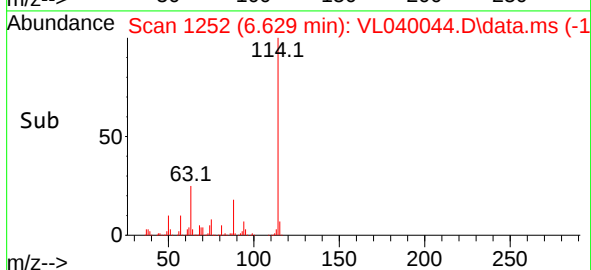
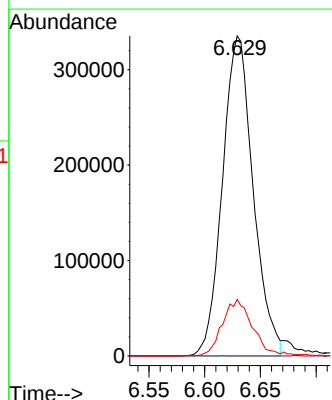
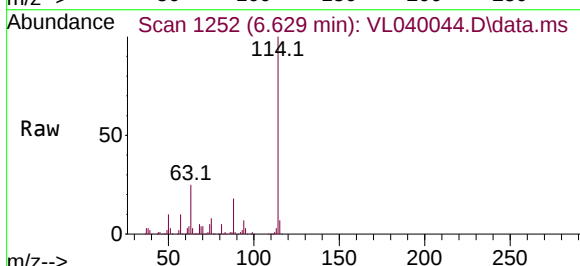
Tgt Ion: 63 Resp: 642660

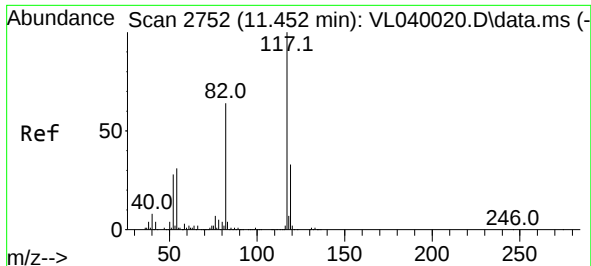
Ion Ratio Lower Upper

63 100

41 0.0 61.4 92.0#

62 17.7 55.4 83.2#

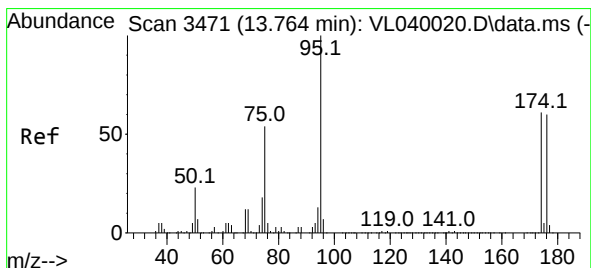
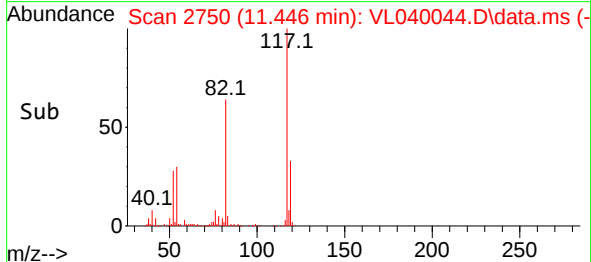
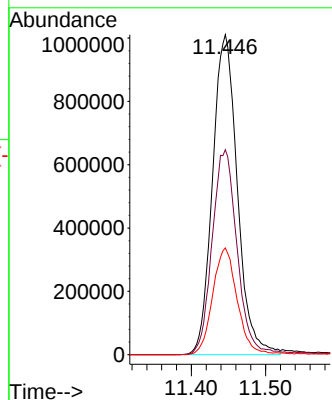
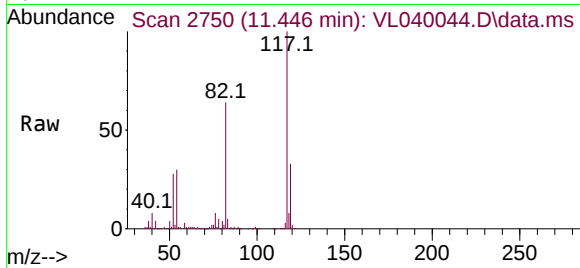




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.446 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040044.D
Acq: 20 Dec 2022 1:23

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 2349864
Ion Ratio Lower Upper
117 100
82 65.6 51.2 76.8
119 33.2 23.2 34.8



#68
1-Bromo-4-Fluorobenzene
Concen: 9.830 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.006 min
Lab File: VL040044.D
Acq: 20 Dec 2022 1:23

Tgt Ion: 95 Resp: 1764460
Ion Ratio Lower Upper
95 100
174 63.0 48.6 73.0
175 4.6 3.4 5.2

