

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121222\
 Data File : VL039999.D
 Acq On : 13 Dec 2022 6:08
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Dec 13 07:15:56 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 23:21:36 2022
 Response via : Initial Calibration

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

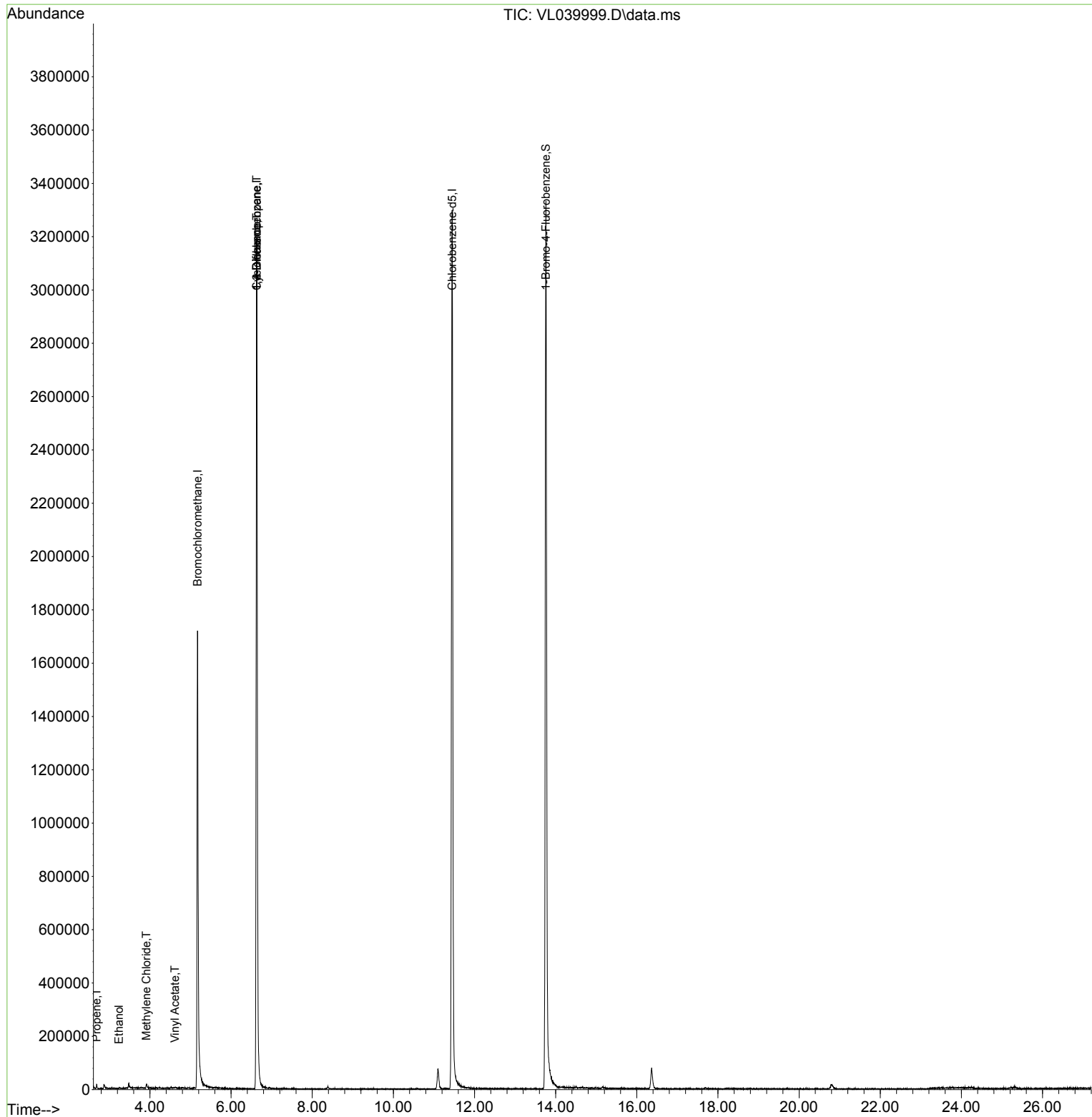
Internal Standards						
1) Bromochloromethane	5.172	49	886153	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.632	114	2556350	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.449	117	2324062	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.761	95	1783583	10.048	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%
Target Compounds						
					Qvalue	
9) Propene	2.681	41	1827	0.032	ppbv #	15
13) Ethanol	3.234	45	225	0.051	ppbv #	38
20) Methylene Chloride	3.909	84	1790	0.031	ppbv #	69
23) Vinyl Acetate	4.616	43	1943	0.040	ppbv #	31
30) Cyclohexane	6.632	84	2003	0.022	ppbv #	1
39) 1,2-Dichloropropane	6.632	63	628308	7.422	ppbv #	25

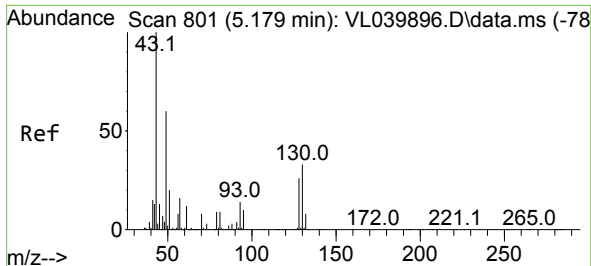
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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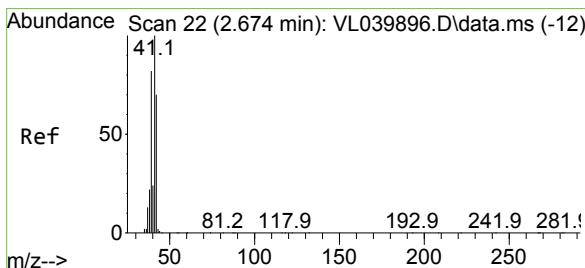
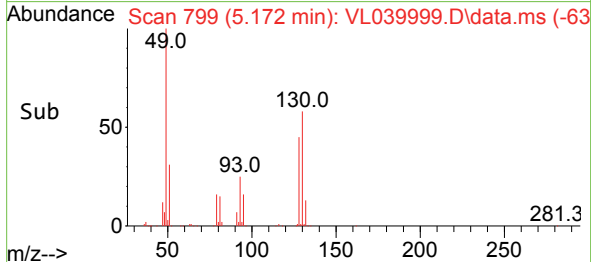
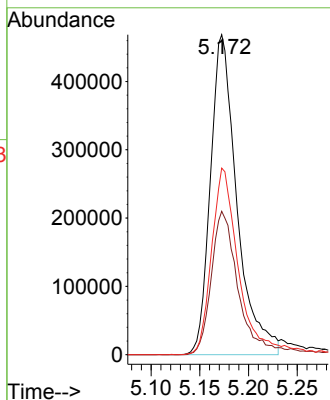
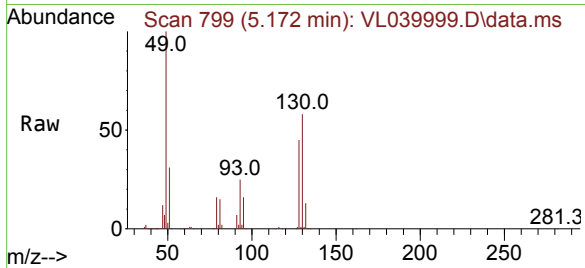




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.172 min Scan# 79
Delta R.T. 0.016 min
Lab File: VL039999.D
Acq: 13 Dec 2022 6:08

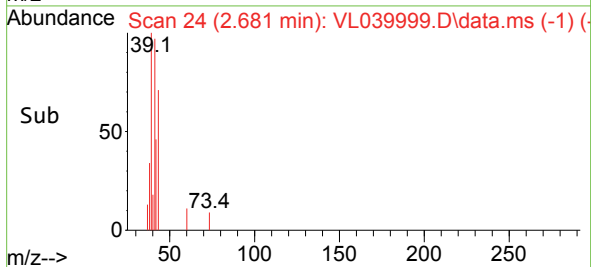
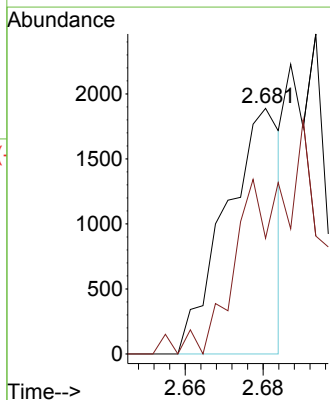
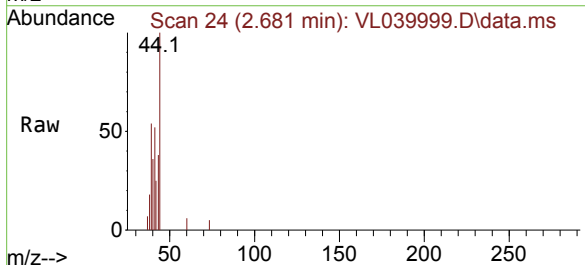
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

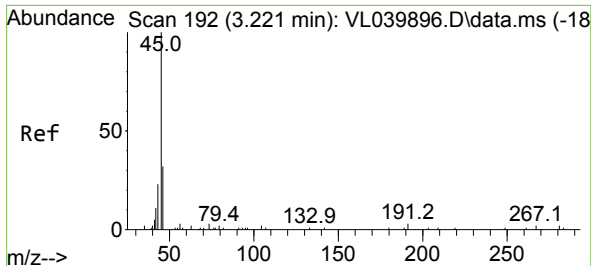
Tgt Ion: 49 Resp: 886153
Ion Ratio Lower Upper
49 100
128 48.0 22.1 66.3
130 61.6 27.7 83.1



#9
Propene
Concen: 0.032 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.019 min
Lab File: VL039999.D
Acq: 13 Dec 2022 6:08

Tgt Ion: 41 Resp: 1827
Ion Ratio Lower Upper
41 100
42 0.0 55.8 83.6#

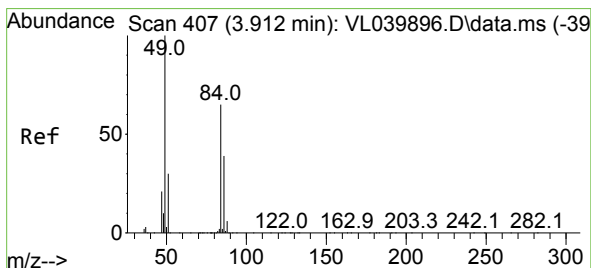
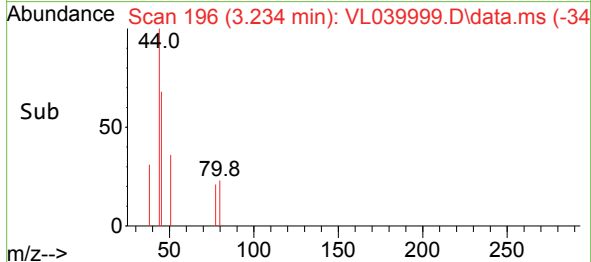
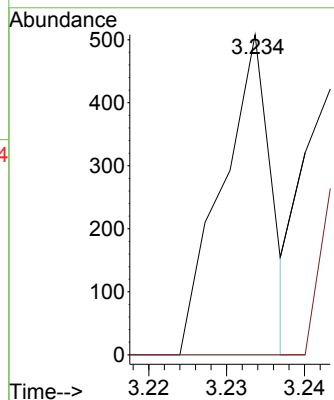
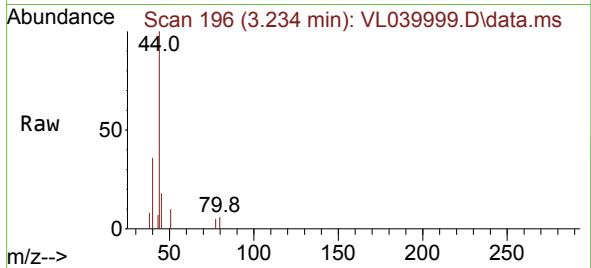




#13
 Ethanol
 Concen: 0.051 ppbv
 RT: 3.234 min Scan# 196
 Delta R.T. 0.019 min
 Lab File: VL039999.D
 Acq: 13 Dec 2022 6:08

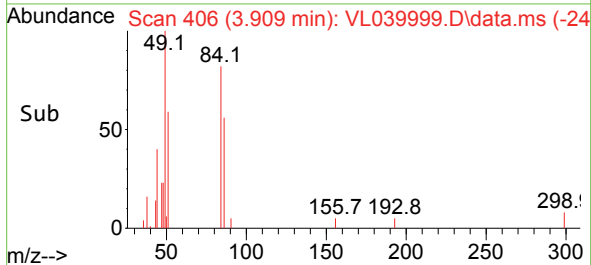
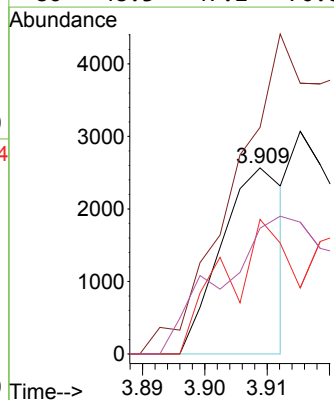
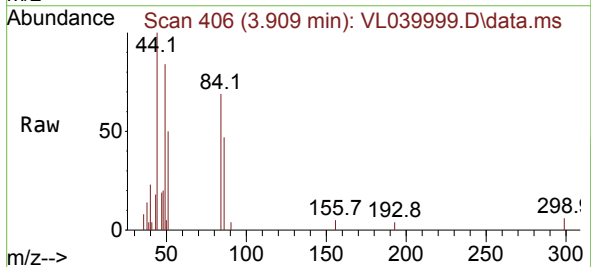
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

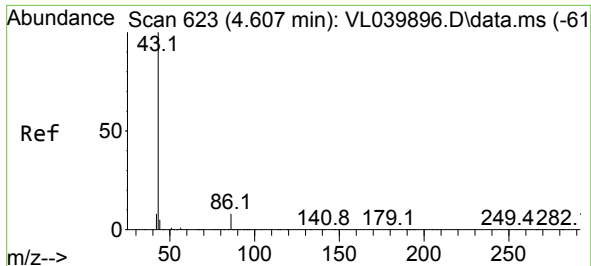
Tgt Ion: 45 Resp: 225
 Ion Ratio Lower Upper
 45 100
 46 0.0 14.6 58.2#



#20
 Methylene Chloride
 Concen: 0.031 ppbv
 RT: 3.909 min Scan# 406
 Delta R.T. 0.013 min
 Lab File: VL039999.D
 Acq: 13 Dec 2022 6:08

Tgt Ion: 84 Resp: 1790
 Ion Ratio Lower Upper
 84 100
 49 108.9 122.2 183.4#
 51 72.3 36.3 54.5#
 86 48.3 47.2 70.8



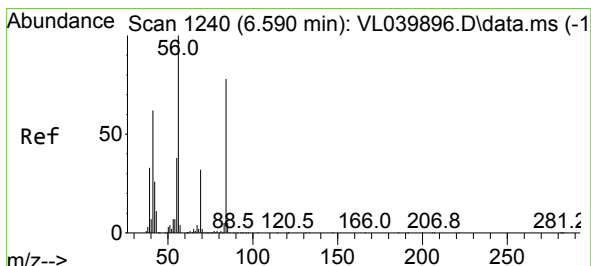
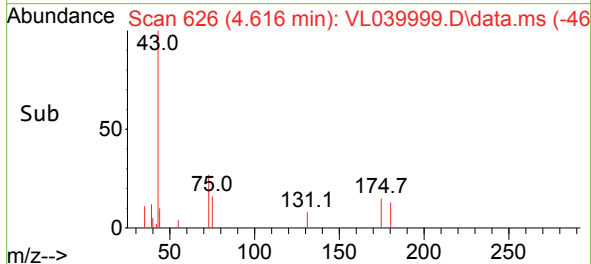
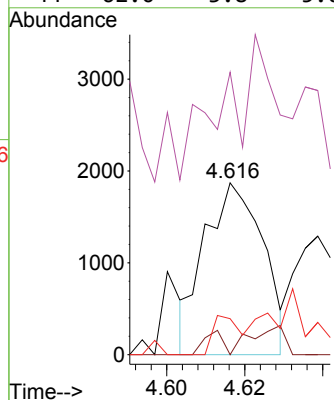
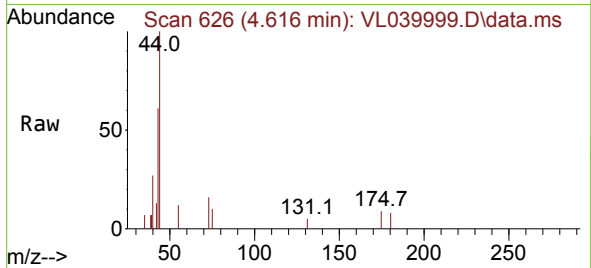


#23
 Vinyl Acetate
 Concen: 0.040 ppbv
 RT: 4.616 min Scan# 61
 Delta R.T. 0.023 min
 Lab File: VL039999.D
 Acq: 13 Dec 2022 6:08

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion: 43 Resp: 1943

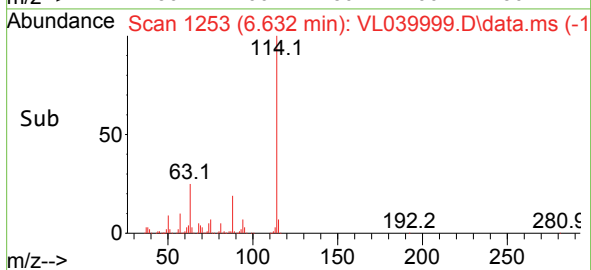
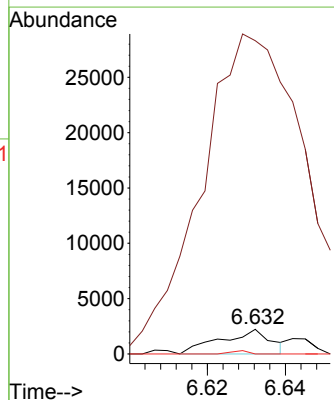
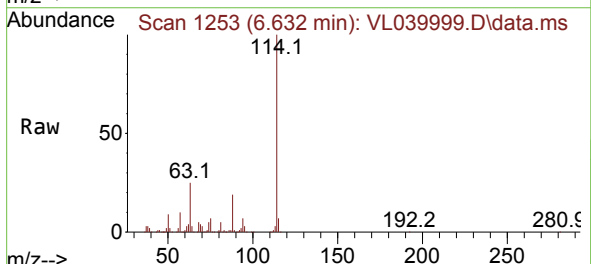
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#
42	28.2	7.6	11.4#
44	62.0	3.8	5.6#

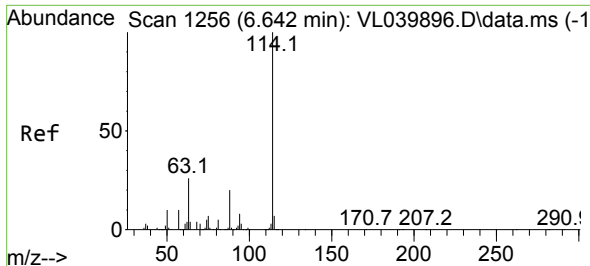


#30
 Cyclohexane
 Concen: 0.022 ppbv
 RT: 6.632 min Scan# 1253
 Delta R.T. 0.068 min
 Lab File: VL039999.D
 Acq: 13 Dec 2022 6:08

Tgt Ion: 84 Resp: 2003

Ion	Ratio	Lower	Upper
84	100		
56	2969.1	112.5	168.7#
41	0.0	67.8	101.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. 0.013 min

Lab File: VL039999.D

Acq: 13 Dec 2022 6:08

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

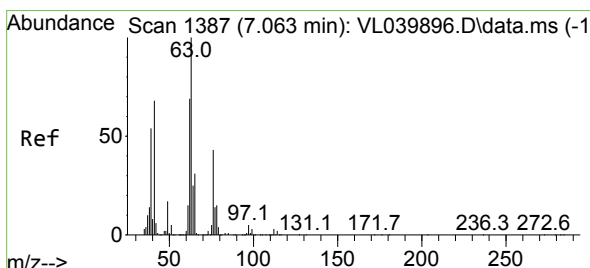
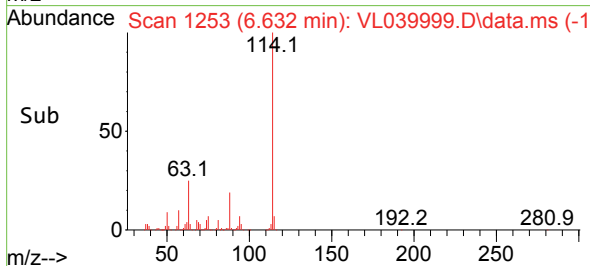
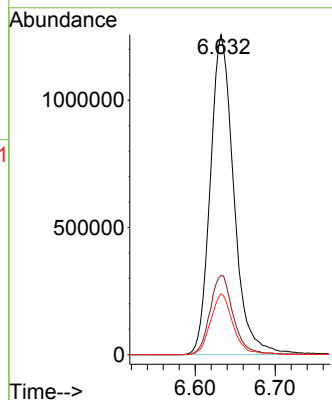
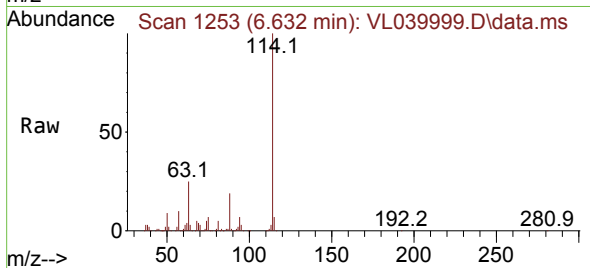
Tgt Ion:114 Resp: 2556350

Ion Ratio Lower Upper

114 100

63 25.1 21.4 32.0

88 18.5 15.3 22.9



#39

1,2-Dichloropropane

Concen: 7.422 ppbv

RT: 6.632 min Scan# 1253

Delta R.T. -0.402 min

Lab File: VL039999.D

Acq: 13 Dec 2022 6:08

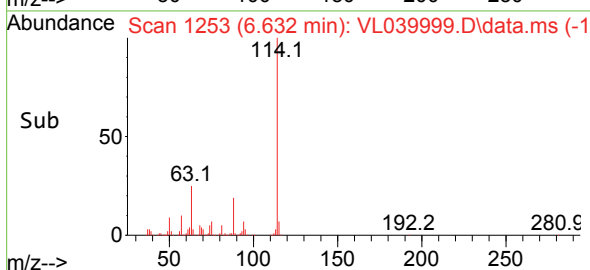
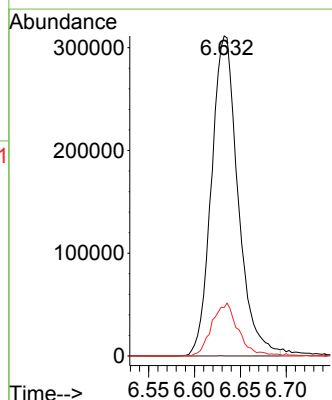
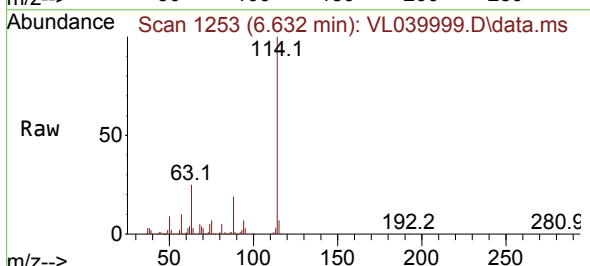
Tgt Ion: 63 Resp: 628308

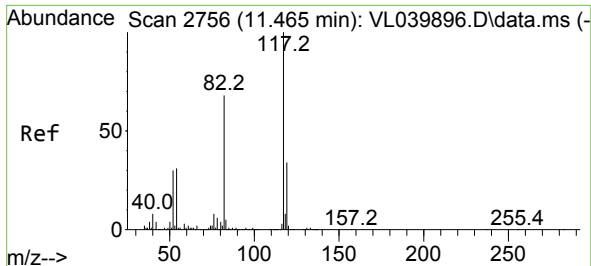
Ion Ratio Lower Upper

63 100

41 0.0 54.7 82.1#

62 15.2 55.0 82.6#

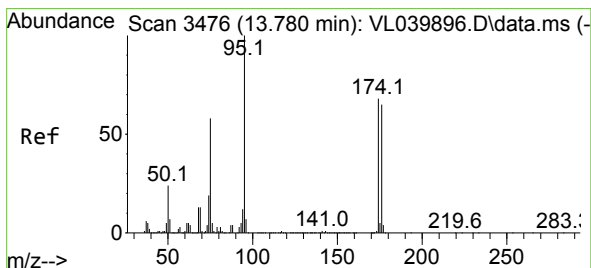
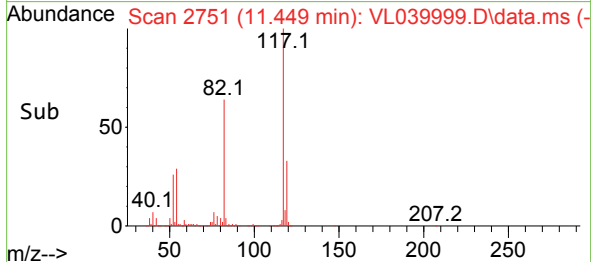
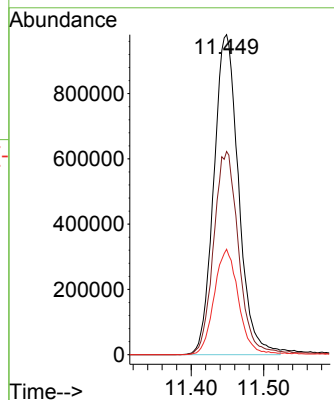
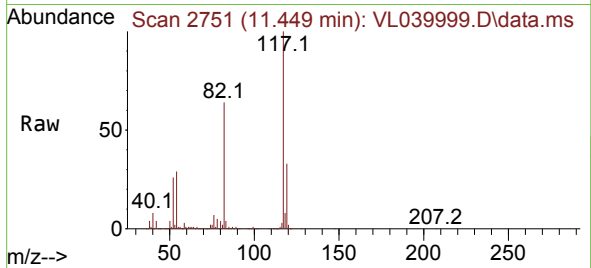




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL039999.D
Acq: 13 Dec 2022 6:08

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tgt Ion:117 Resp: 2324062
Ion Ratio Lower Upper
117 100
82 64.8 52.3 78.5
119 33.2 25.7 38.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.048 ppbv
RT: 13.761 min Scan# 3470
Delta R.T. 0.019 min
Lab File: VL039999.D
Acq: 13 Dec 2022 6:08

Tgt Ion: 95 Resp: 1783583
Ion Ratio Lower Upper
95 100
174 67.7 53.7 80.5
175 4.8 4.0 6.0

