

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010923\
 Data File : VL040078.D
 Acq On : 9 Jan 2023 16:33
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Jan 09 21:32:31 2023
 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)

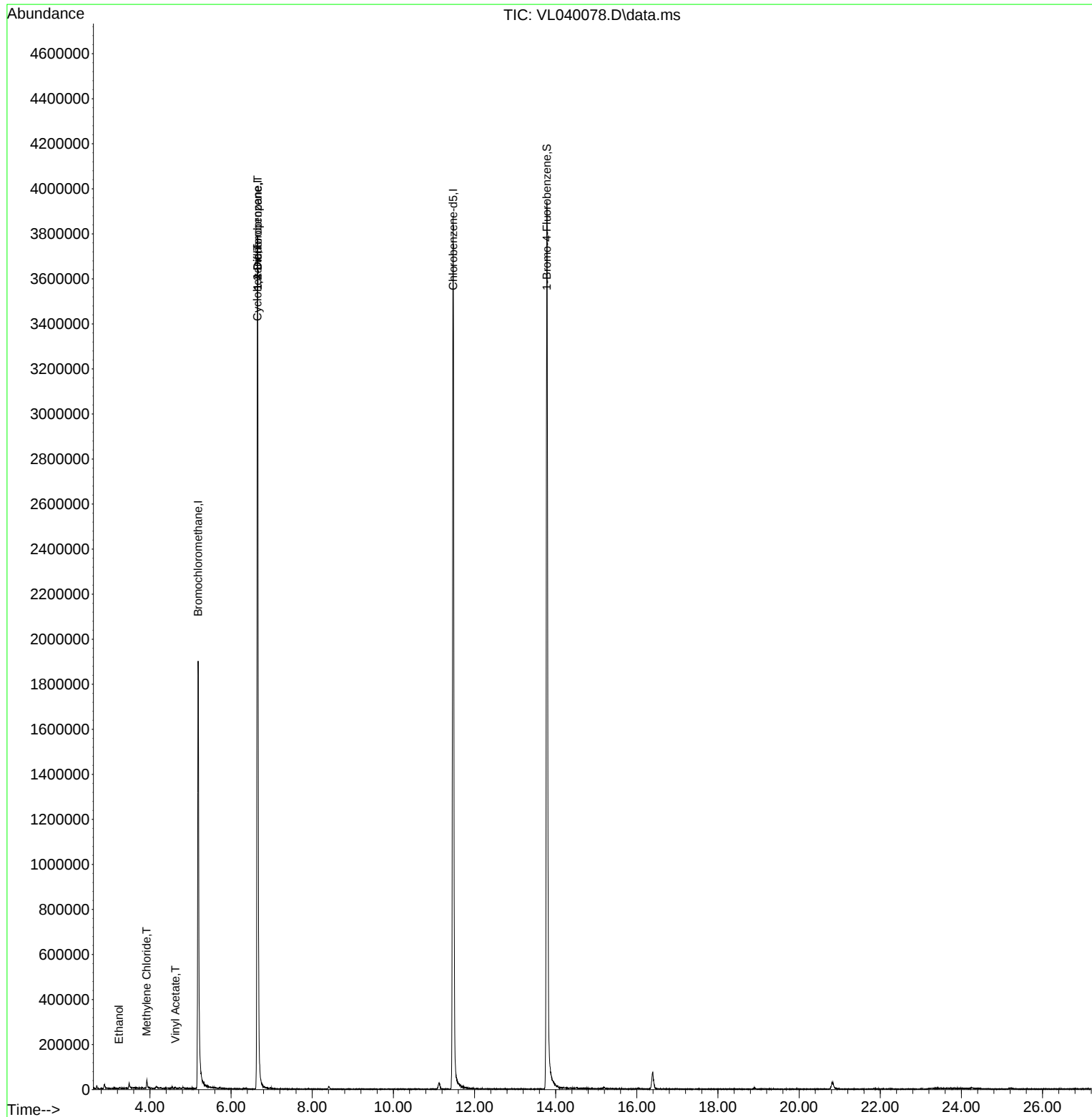
Internal Standards						
1) Bromochloromethane	5.188	49	994281	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	6.651	114	2866349	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.471	117	2529091	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.783	95	2039294	10.556	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.600%
Target Compounds						
					Qvalue	
13) Ethanol	3.234	45	205	0.035	ppbv #	40
20) Methylene Chloride	3.922	84	10823	0.166	ppbv #	83
23) Vinyl Acetate	4.626	43	2437	0.050	ppbv #	79
30) Cyclohexane	6.645	84	4403	0.044	ppbv #	1
39) 1,2-Dichloropropane	6.651	63	716730	7.470	ppbv #	24

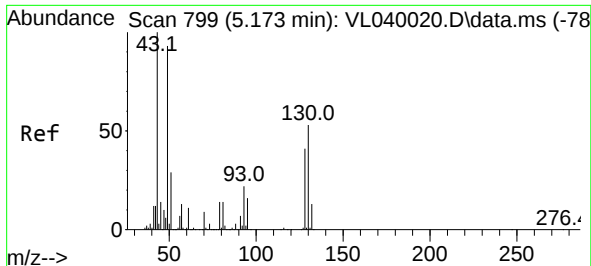
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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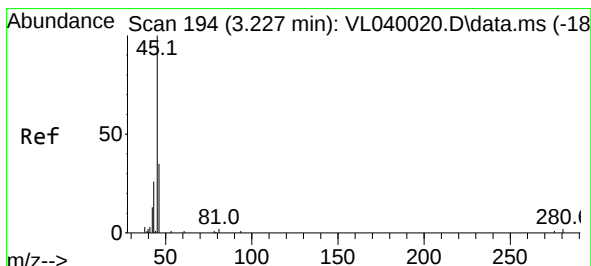
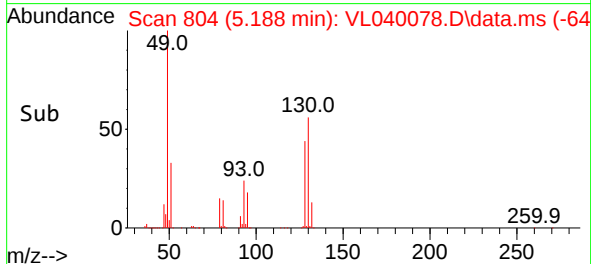
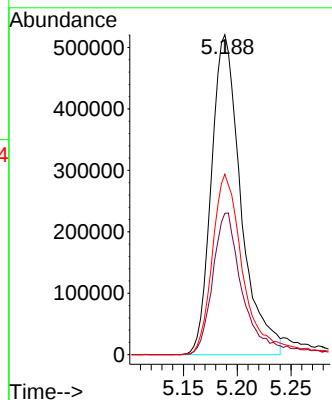
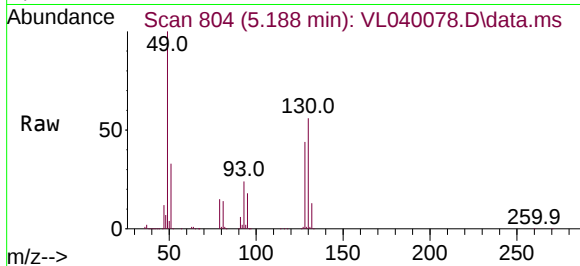




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.188 min Scan# 804
Delta R.T. 0.015 min
Lab File: VL040078.D
Acq: 9 Jan 2023 16:33

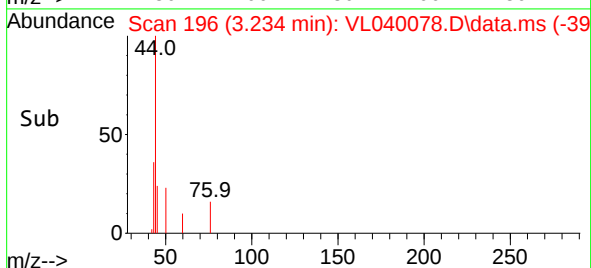
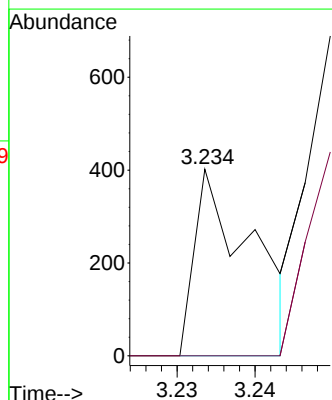
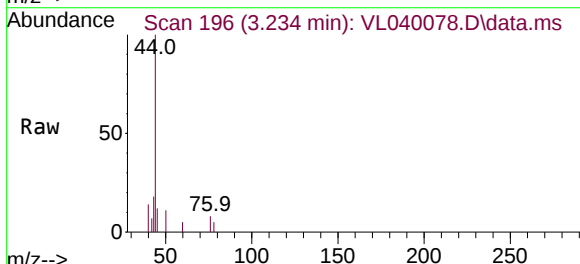
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

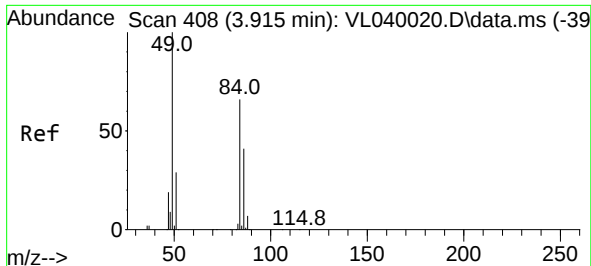
Tgt Ion: 49 Resp: 994281
Ion Ratio Lower Upper
49 100
128 47.0 22.4 67.3
130 61.6 28.9 86.8



#13
Ethanol
Concen: 0.035 ppbv
RT: 3.234 min Scan# 196
Delta R.T. 0.006 min
Lab File: VL040078.D
Acq: 9 Jan 2023 16:33

Tgt Ion: 45 Resp: 205
Ion Ratio Lower Upper
45 100
46 0.0 13.7 54.7#

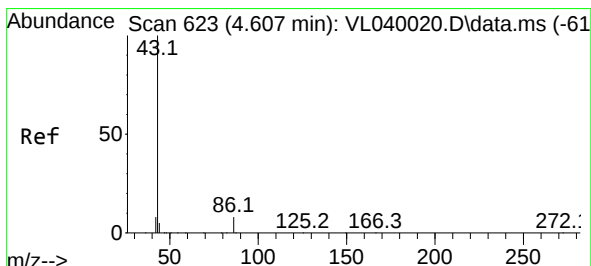
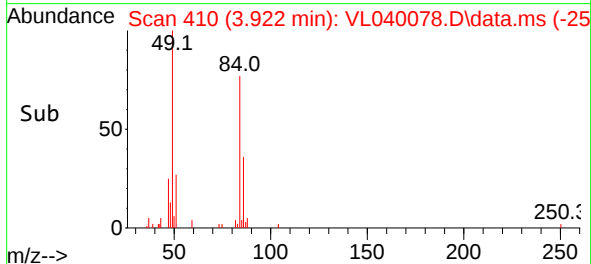
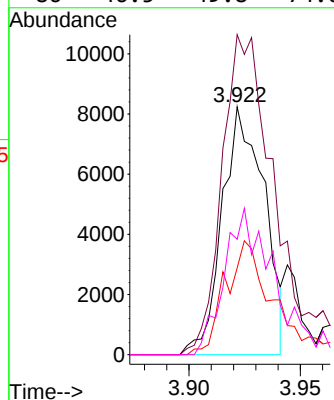
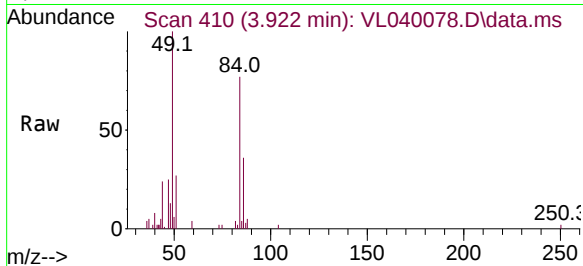




#20
Methylene Chloride
Concen: 0.166 ppbv
RT: 3.922 min Scan# 410
Delta R.T. 0.006 min
Lab File: VL040078.D
Acq: 9 Jan 2023 16:33

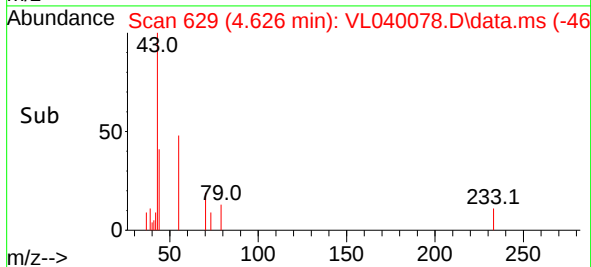
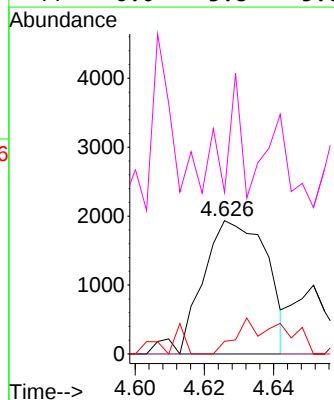
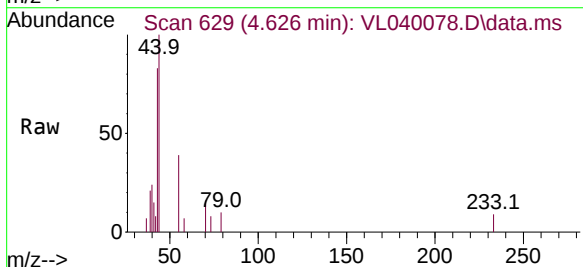
Instrument :
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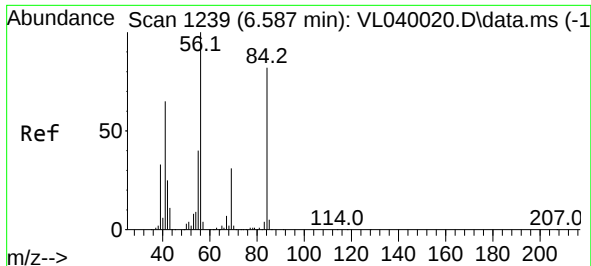
Tgt Ion: 84 Resp: 10823
Ion Ratio Lower Upper
84 100
49 129.1 120.5 180.7
51 35.0 35.2 52.8#
86 46.5 49.8 74.6#



#23
Vinyl Acetate
Concen: 0.050 ppbv
RT: 4.626 min Scan# 629
Delta R.T. 0.019 min
Lab File: VL040078.D
Acq: 9 Jan 2023 16:33

Tgt Ion: 43 Resp: 2437
Ion Ratio Lower Upper
43 100
86 0.0 5.3 7.9#
42 0.0 7.4 11.0#
44 0.0 3.8 5.6#

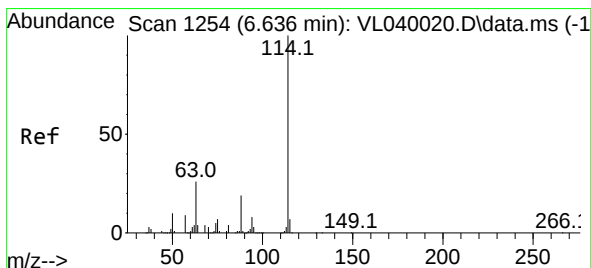
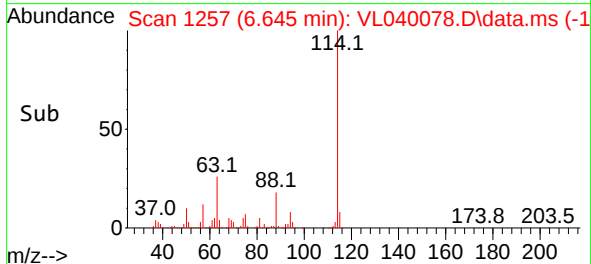
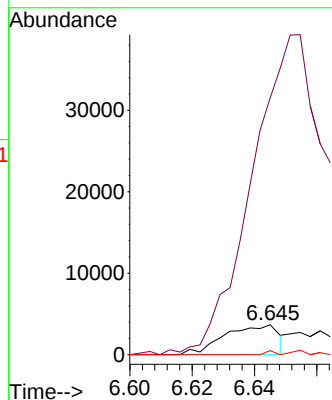
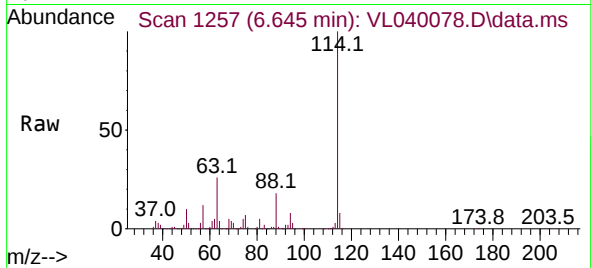




#30
Cyclohexane
Concen: 0.044 ppbv
RT: 6.645 min Scan# 1257
Delta R.T. 0.058 min
Lab File: VL040078.D
Acq: 9 Jan 2023 16:33

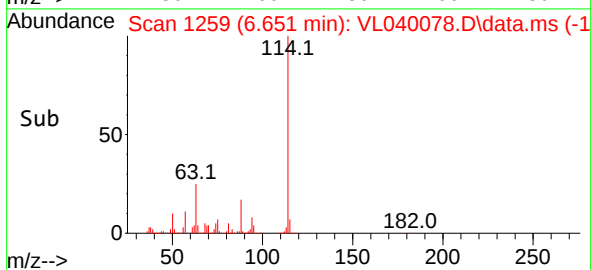
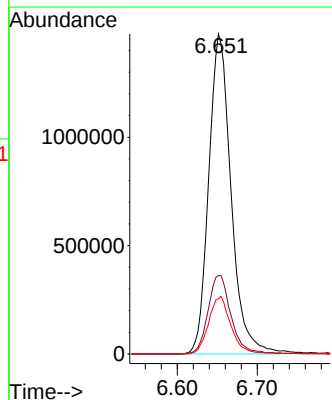
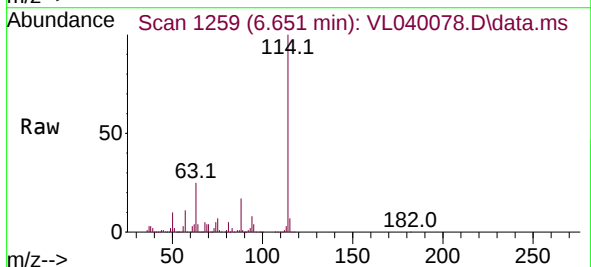
Instrument :
MSVOA_L
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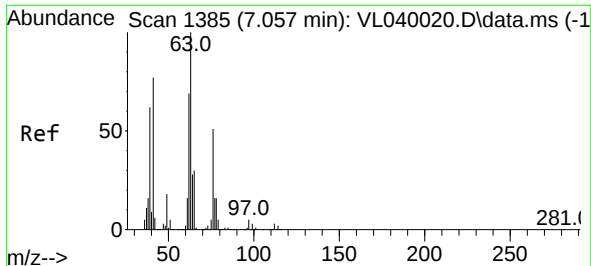
Tgt Ion: 84 Resp: 4403
Ion Ratio Lower Upper
84 100
56 0.0 110.2 165.4#
41 0.0 67.8 101.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.651 min Scan# 1259
Delta R.T. 0.016 min
Lab File: VL040078.D
Acq: 9 Jan 2023 16:33

Tgt Ion: 114 Resp: 2866349
Ion Ratio Lower Upper
114 100
63 25.5 20.2 30.2
88 18.1 14.6 21.8





#39

1,2-Dichloropropane

Concen: 7.470 ppbv

RT: 6.651 min Scan# 11

Delta R.T. -0.405 min

Lab File: VL040078.D

Acq: 9 Jan 2023 16:33

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

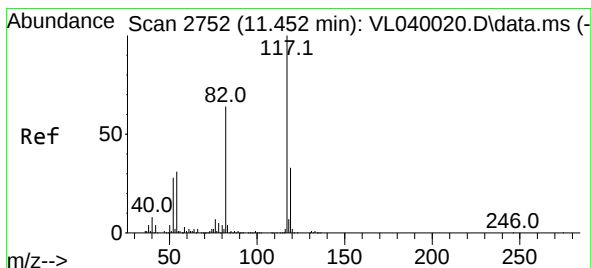
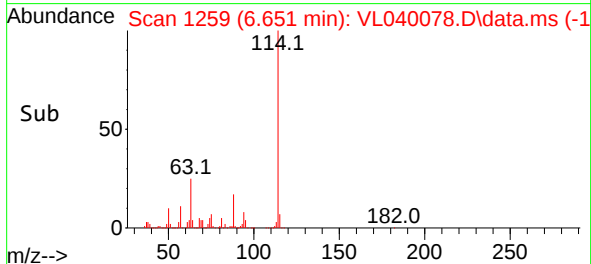
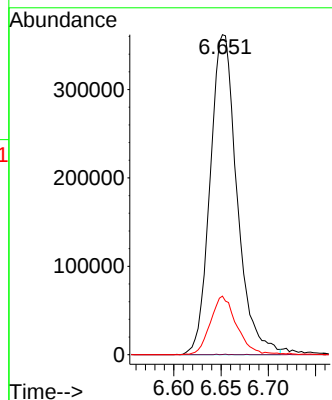
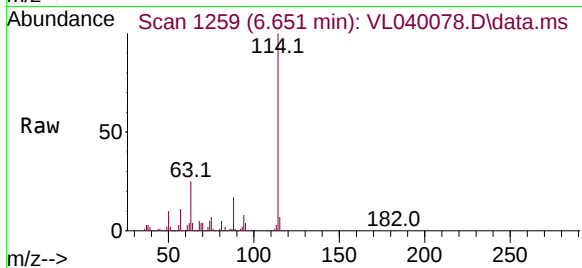
Tgt Ion: 63 Resp: 716730

Ion Ratio Lower Upper

63 100

41 0.1 61.4 92.0#

62 18.3 55.4 83.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.471 min Scan# 2758

Delta R.T. 0.019 min

Lab File: VL040078.D

Acq: 9 Jan 2023 16:33

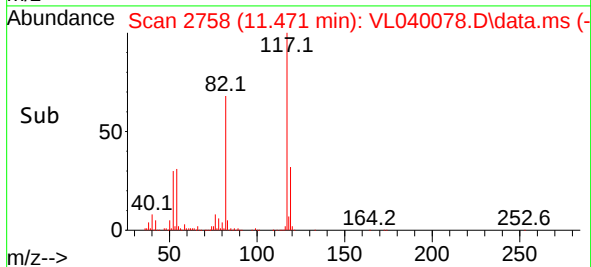
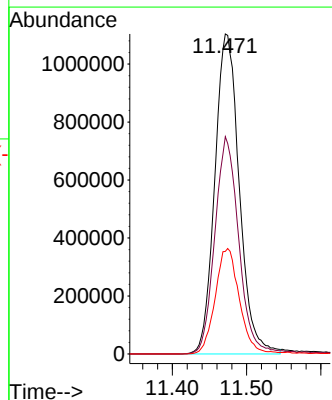
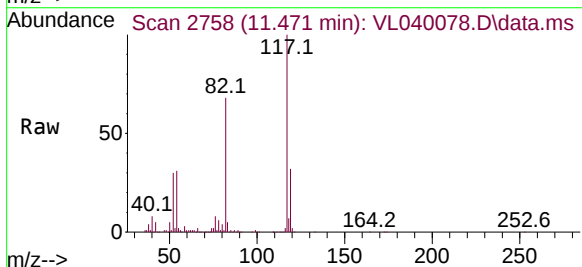
Tgt Ion: 117 Resp: 2529091

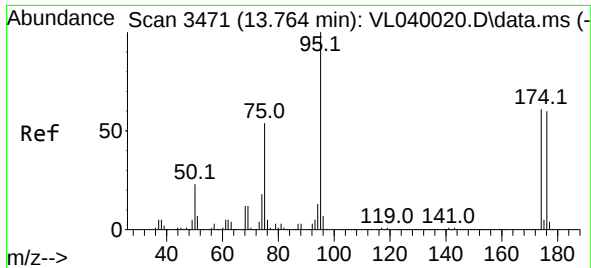
Ion Ratio Lower Upper

117 100

82 67.6 51.2 76.8

119 33.1 23.2 34.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.556 ppbv
 RT: 13.783 min Scan# 3477
 Delta R.T. 0.019 min
 Lab File: VL040078.D
 Acq: 9 Jan 2023 16:33

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tgt Ion: 95 Resp: 2039294

Ion	Ratio	Lower	Upper
95	100		
174	61.6	48.6	73.0
175	4.3	3.4	5.2

