

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090523\
 Data File : VL040664.D
 Acq On : 6 Sep 2023 2:30
 Operator : SY/MD
 Sample : QC083023 CAN 10258
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 06 06:08:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Aug 16 05:43:50 2023
 Response via : Initial Calibration

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

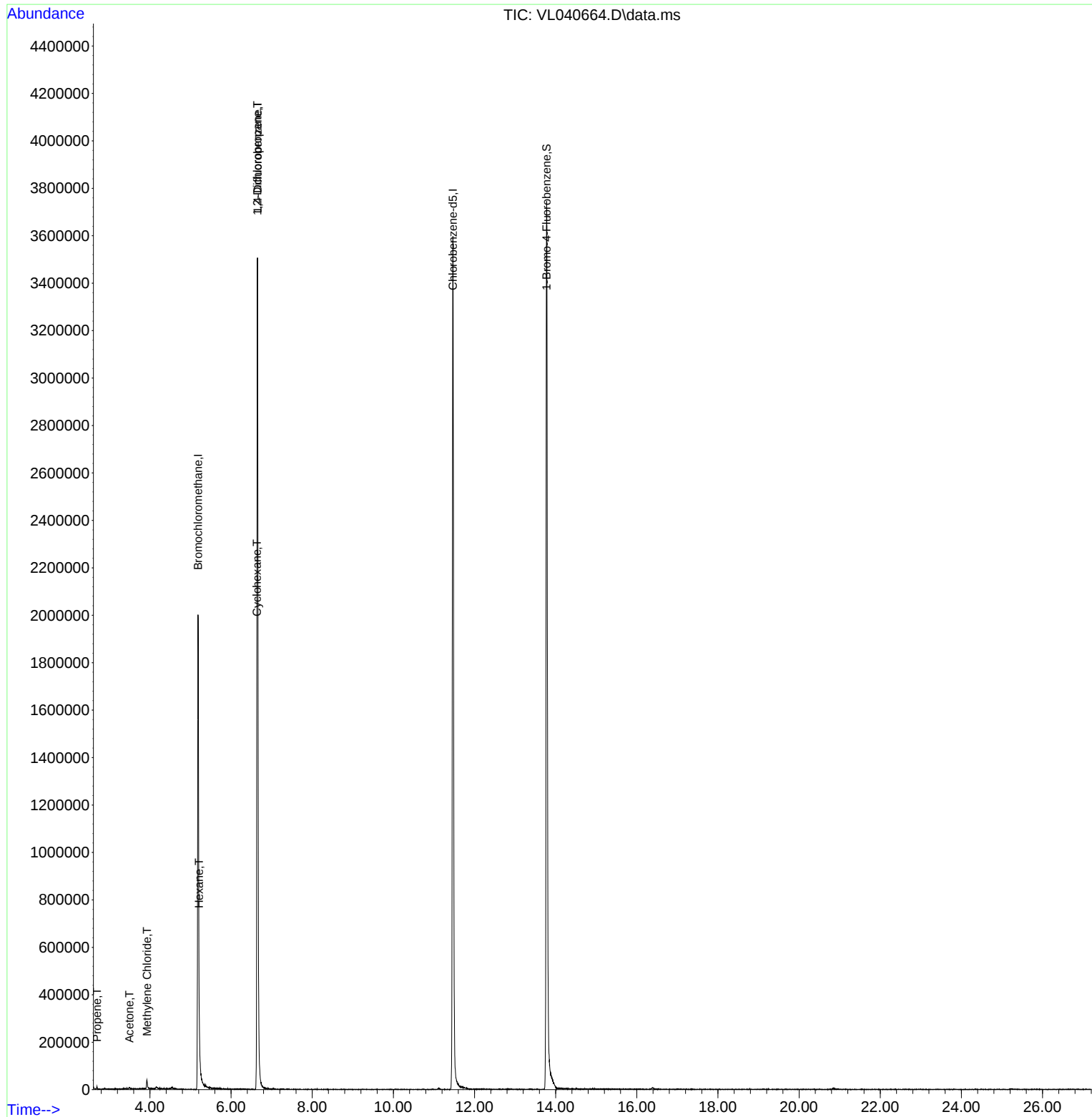
Internal Standards						
1) Bromochloromethane	5.185	49	912366	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.651	114	2494077	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2140095	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1763749	10.363	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.600%
Target Compounds						
					Qvalue	
9) Propene	2.693	41	1954	0.042	ppbv	92
15) Acetone	3.494	43	4516	0.040	ppbv #	60
20) Methylene Chloride	3.928	84	6322	0.116	ppbv	87
26) Hexane	5.208	57	3563	0.035	ppbv #	41
30) Cyclohexane	6.635	84	4843	0.062	ppbv #	2
39) 1,2-Dichloropropane	6.648	63	647551	8.578	ppbv #	26

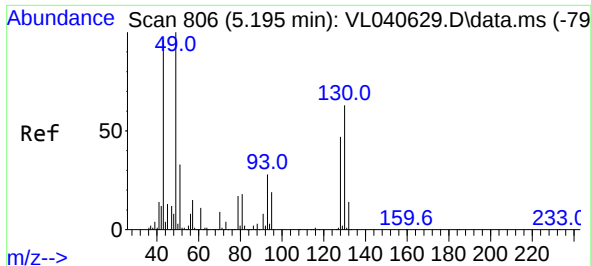
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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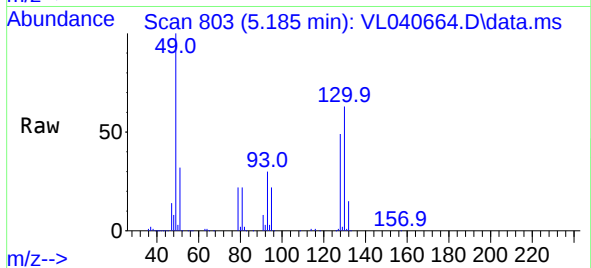
Quant Time: Sep 06 06:08:54 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081523AIR.M
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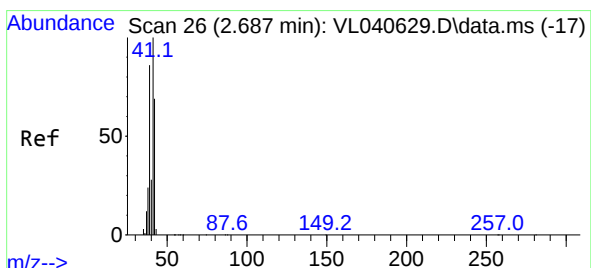
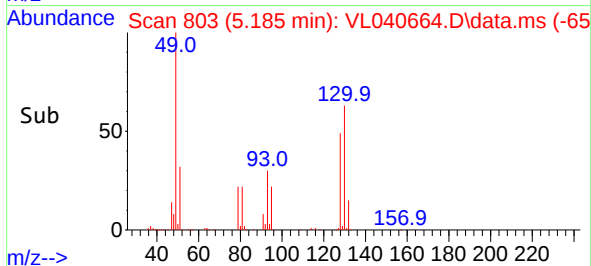
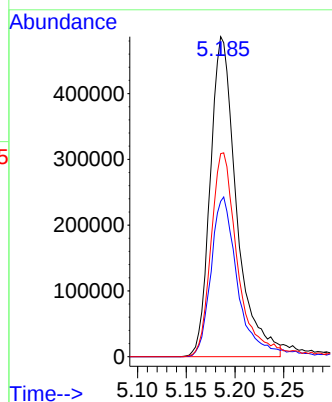


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.185 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040664.D
Acq: 6 Sep 2023 2:30

Instrument :
MSVOA_L
ClientSampleId :

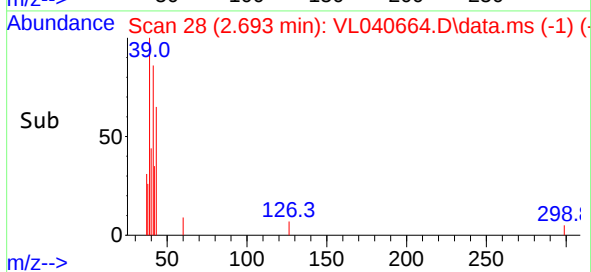
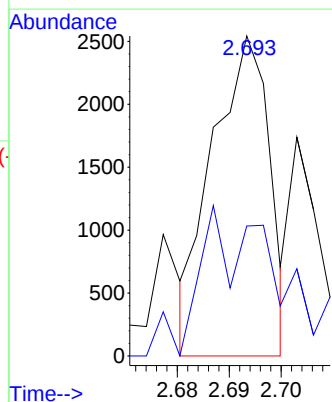
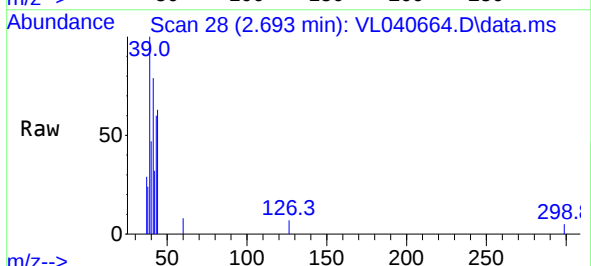


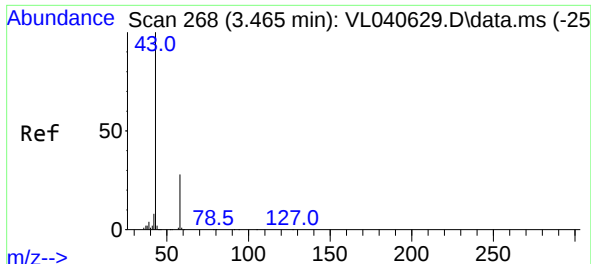
Tgt Ion: 49 Resp: 912366
Ion Ratio Lower Upper
49 100
128 52.2 24.9 74.7
130 67.3 32.2 96.6



#9
Propene
Concen: 0.042 ppbv
RT: 2.693 min Scan# 28
Delta R.T. 0.006 min
Lab File: VL040664.D
Acq: 6 Sep 2023 2:30

Tgt Ion: 41 Resp: 1954
Ion Ratio Lower Upper
41 100
42 63.9 56.5 84.7





#15

Acetone

Concen: 0.040 ppbv

RT: 3.494 min Scan# 21

Delta R.T. 0.029 min

Lab File: VL040664.D

Acq: 6 Sep 2023 2:30

Instrument :

MSVOA_L

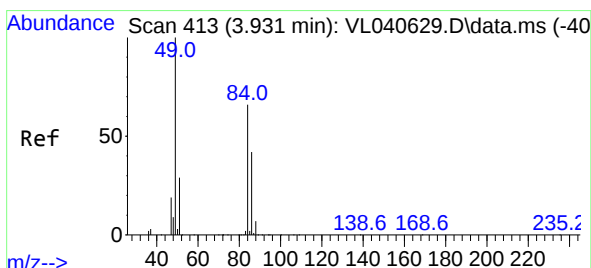
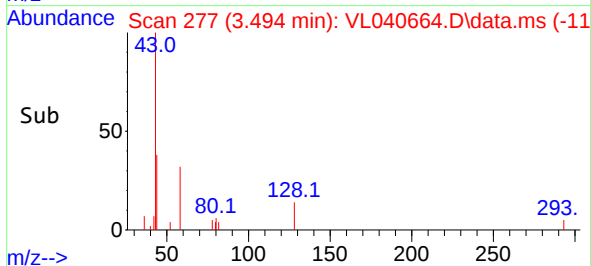
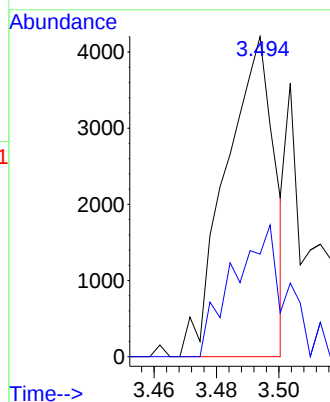
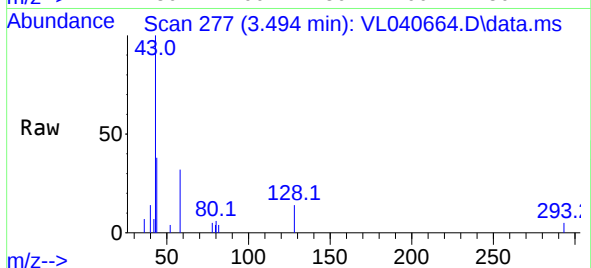
ClientSampleId :

Tgt Ion: 43 Resp: 4516

Ion Ratio Lower Upper

43 100

58 49.2 22.4 33.6#



#20

Methylene Chloride

Concen: 0.116 ppbv

RT: 3.928 min Scan# 412

Delta R.T. -0.003 min

Lab File: VL040664.D

Acq: 6 Sep 2023 2:30

Tgt Ion: 84 Resp: 6322

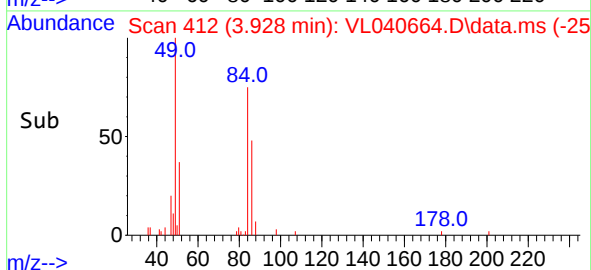
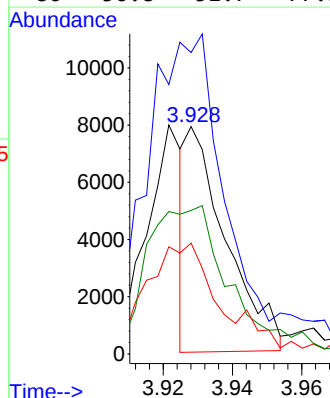
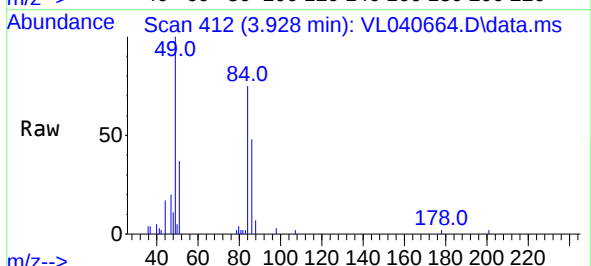
Ion Ratio Lower Upper

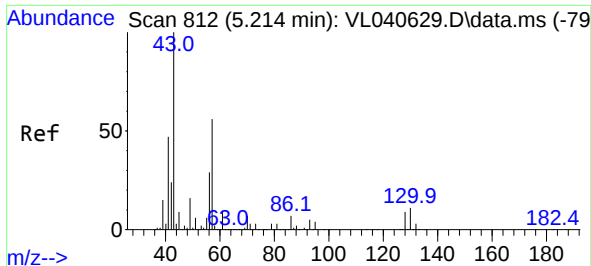
84 100

49 132.2 122.1 183.1

51 50.2 35.4 53.2

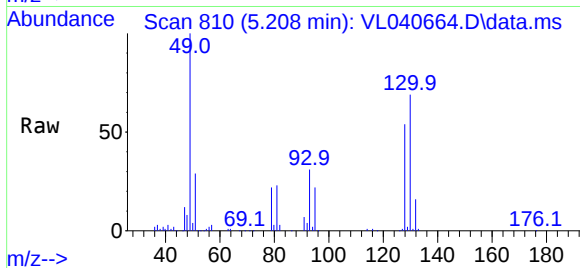
86 56.8 51.7 77.5



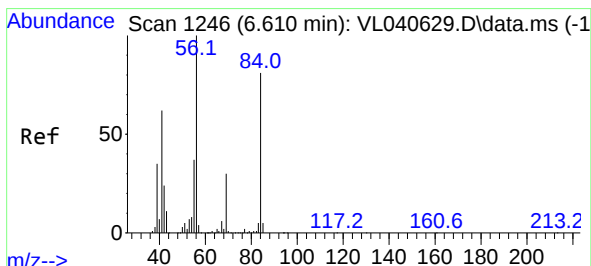
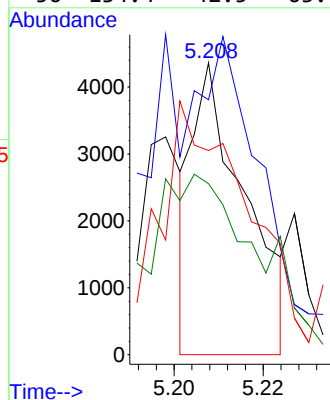
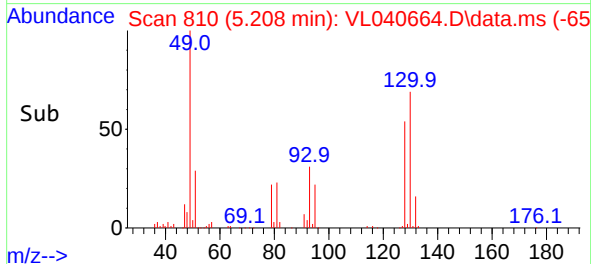


#26
Hexane
Concen: 0.035 ppbv
RT: 5.208 min Scan# 812
Delta R.T. -0.007 min
Lab File: VL040664.D
Acq: 6 Sep 2023 2:30

Instrument :
MSVOA_L
ClientSampleId :

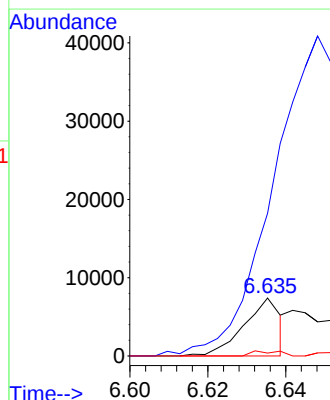
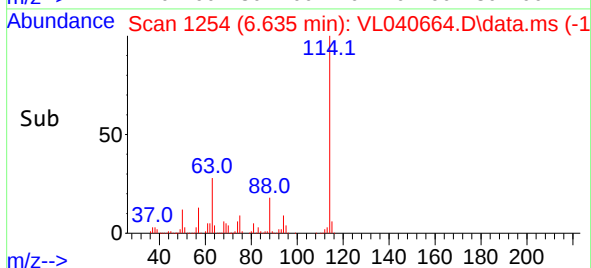
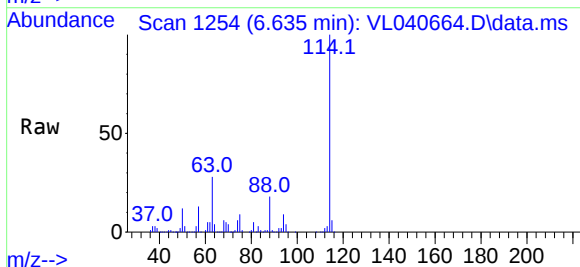


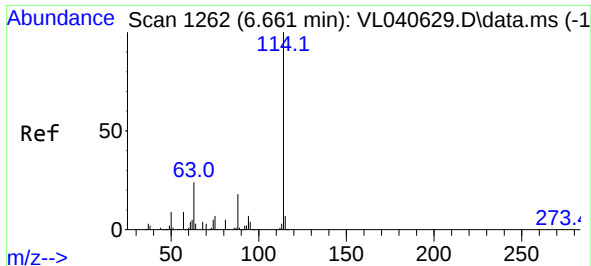
Tgt Ion: 57 Resp: 3563
Ion Ratio Lower Upper
57 100
41 0.0 69.3 103.9#
43 169.4 177.9 266.9#
56 134.4 42.5 63.7#



#30
Cyclohexane
Concen: 0.062 ppbv
RT: 6.635 min Scan# 1254
Delta R.T. 0.026 min
Lab File: VL040664.D
Acq: 6 Sep 2023 2:30

Tgt Ion: 84 Resp: 4843
Ion Ratio Lower Upper
84 100
56 0.0 105.4 158.2#
41 15.3 64.2 96.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.651 min Scan# 11

Delta R.T. -0.010 min

Lab File: VL040664.D

Acq: 6 Sep 2023 2:30

Instrument :

MSVOA_L

ClientSampleId :

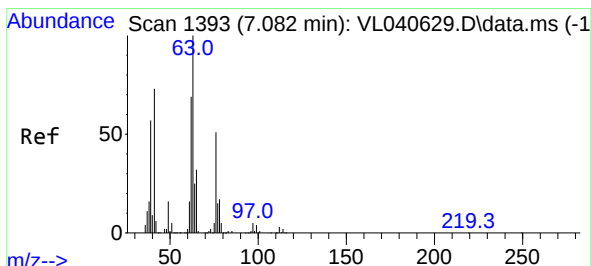
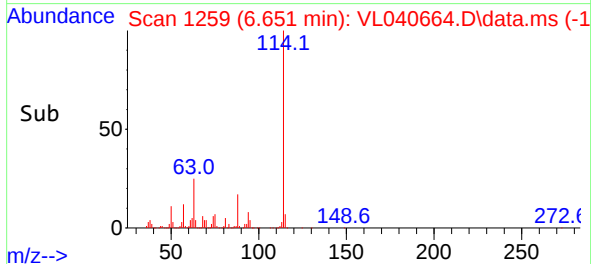
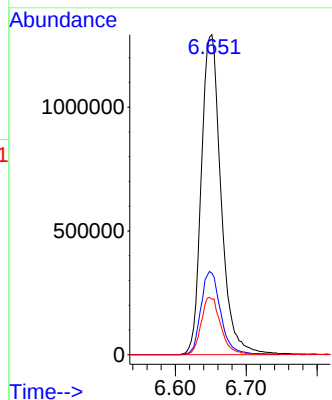
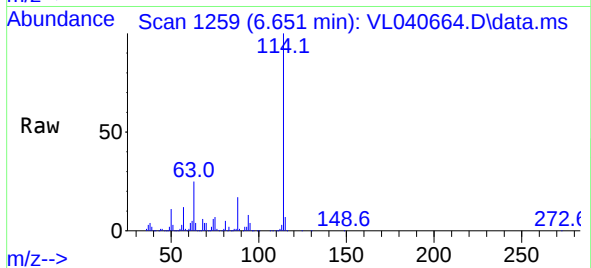
Tgt Ion:114 Resp: 2494077

Ion Ratio Lower Upper

114 100

63 26.4 20.2 30.2

88 18.0 14.1 21.1



#39

1,2-Dichloropropane

Concen: 8.578 ppbv

RT: 6.648 min Scan# 1258

Delta R.T. -0.434 min

Lab File: VL040664.D

Acq: 6 Sep 2023 2:30

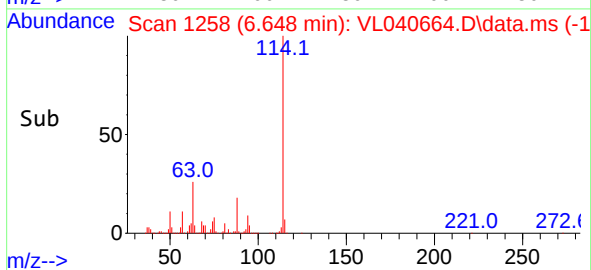
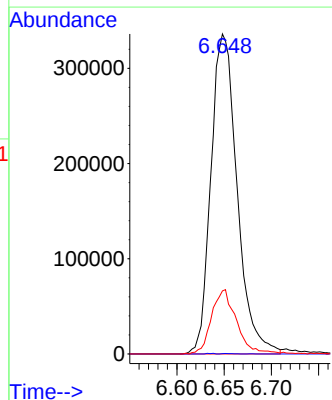
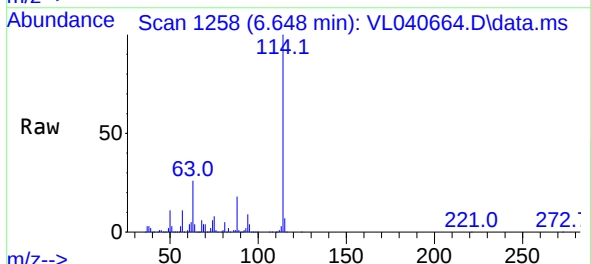
Tgt Ion: 63 Resp: 647551

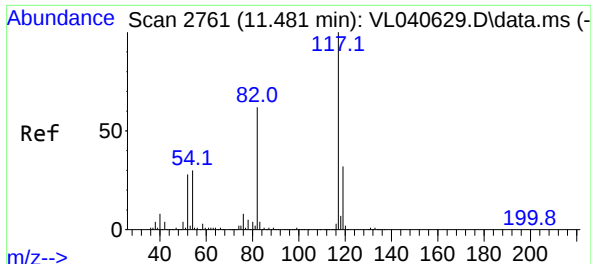
Ion Ratio Lower Upper

63 100

41 0.1 58.2 87.2#

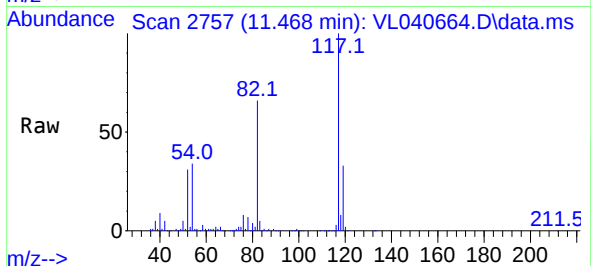
62 19.7 55.0 82.4#



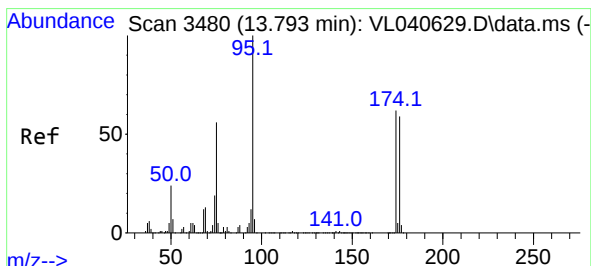
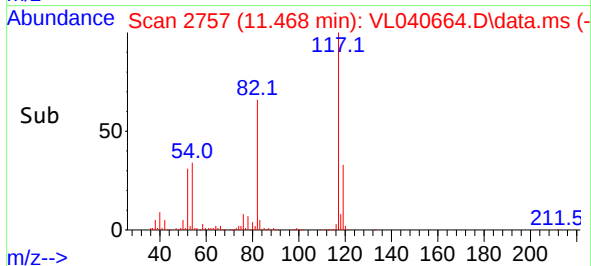
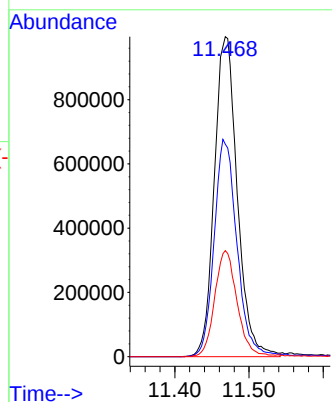


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL040664.D
Acq: 6 Sep 2023 2:30

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion:117 Resp: 2140095
Ion Ratio Lower Upper
117 100
82 67.7 49.5 74.3
119 33.0 24.5 36.7



#68
1-Bromo-4-Fluorobenzene
Concen: 10.363 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. -0.016 min
Lab File: VL040664.D
Acq: 6 Sep 2023 2:30

Tgt Ion: 95 Resp: 1763749
Ion Ratio Lower Upper
95 100
174 62.9 49.1 73.7
175 4.4 3.7 5.5

