

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL122223\
 Data File : VL040960.D
 Acq On : 22 Dec 2023 15:38
 Operator : SY/MD
 Sample : QC120523 CAN 10428
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC120523 CAN 10428

Quant Time: Dec 23 01:21:48 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL122023AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Dec 22 23:57:16 2023
 Response via : Initial Calibration

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

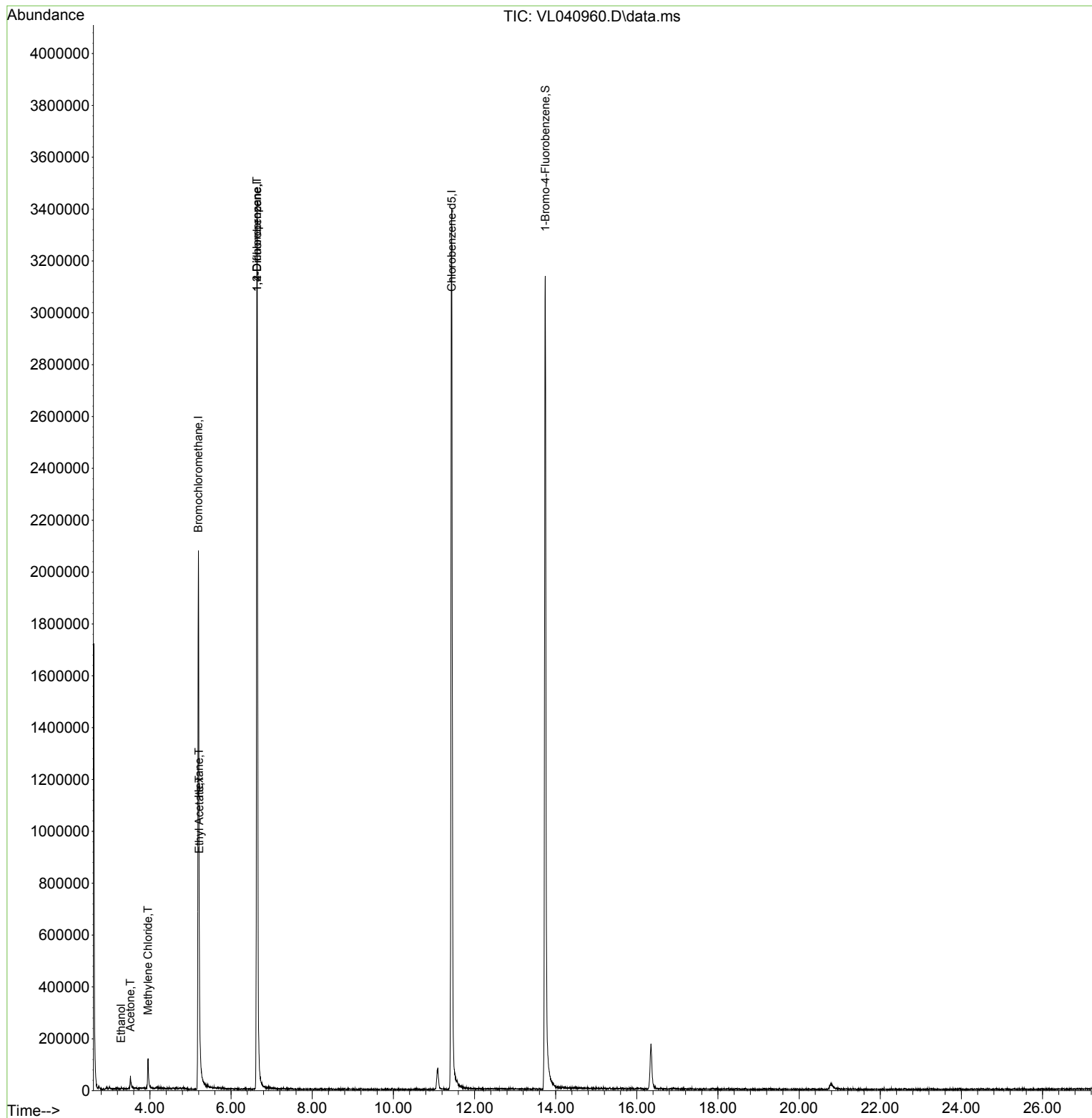
Internal Standards						
1) Bromochloromethane	5.192	49	1043835	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2531379	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.436	117	2163763	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.745	95	1589556	9.973	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%
Target Compounds						
					Qvalue	
13) Ethanol	3.292	45	1027	0.079	ppbv #	37
15) Acetone	3.520	43	38093	0.304	ppbv #	75
20) Methylene Chloride	3.951	84	37882	0.849	ppbv	93
25) Ethyl Acetate	5.214	43	16085	0.074	ppbv #	78
26) Hexane	5.211	57	13493	0.140	ppbv #	29
39) 1,2-Dichloropropane	6.639	63	665762	8.561	ppbv #	24

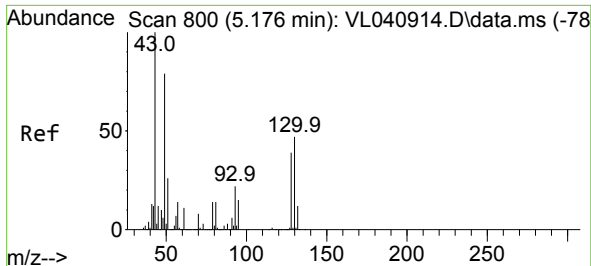
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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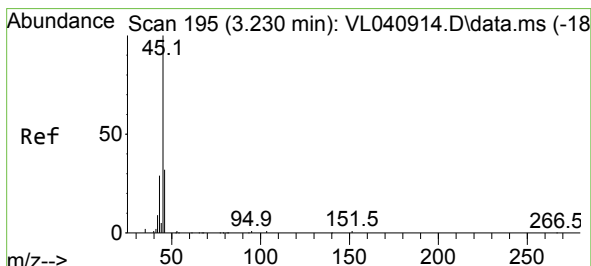
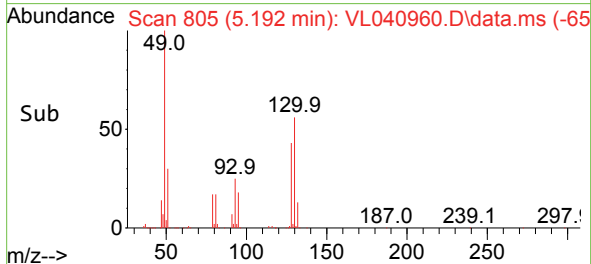
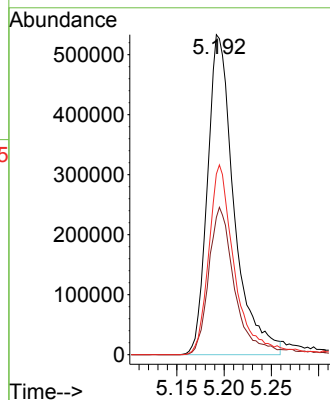
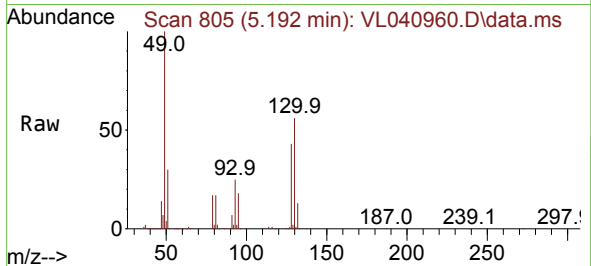




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040960.D
Acq: 22 Dec 2023 15:38

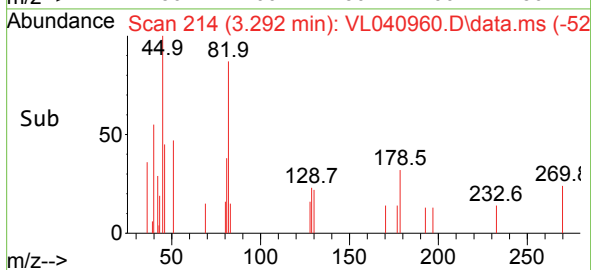
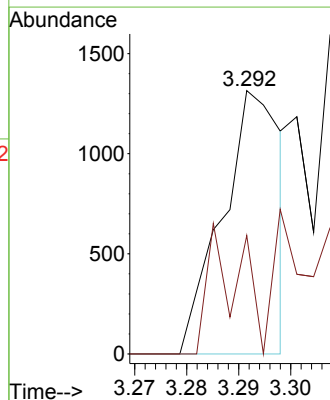
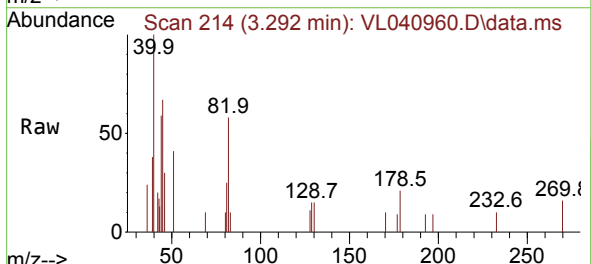
Instrument :
MSVOA_L
ClientSampleId :
QC120523 CAN 10428

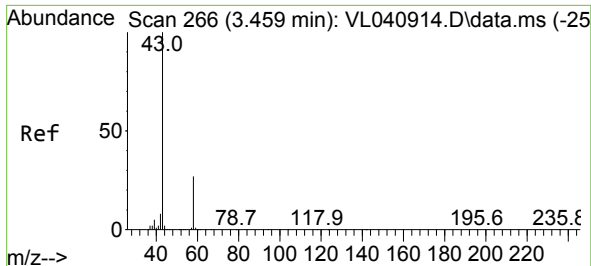
Tgt Ion: 49 Resp: 1043835
Ion Ratio Lower Upper
49 100
128 46.2 23.8 71.2
130 59.9 30.1 90.5



#13
Ethanol
Concen: 0.079 ppbv
RT: 3.292 min Scan# 214
Delta R.T. 0.022 min
Lab File: VL040960.D
Acq: 22 Dec 2023 15:38

Tgt Ion: 45 Resp: 1027
Ion Ratio Lower Upper
45 100
46 0.0 15.0 60.0#

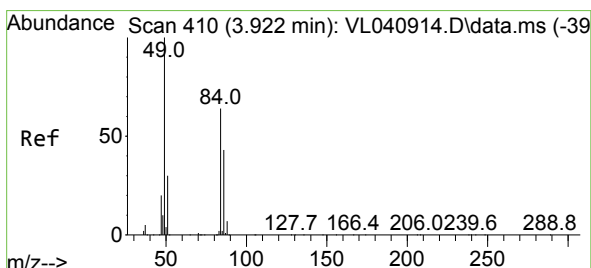
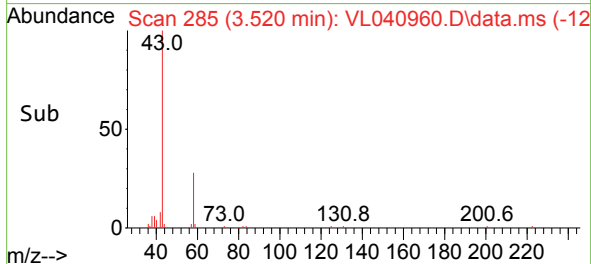
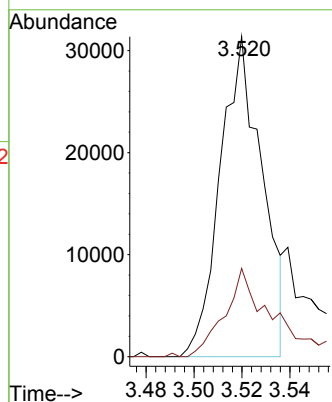
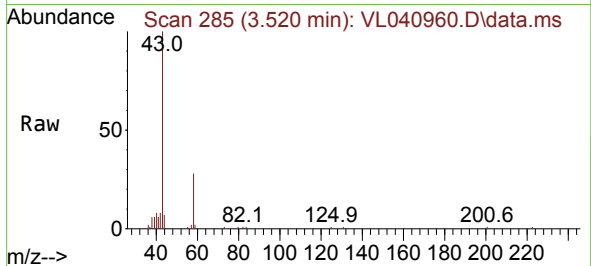




#15
Acetone
Concen: 0.304 ppbv
RT: 3.520 min Scan# 21
Delta R.T. 0.026 min
Lab File: VL040960.D
Acq: 22 Dec 2023 15:38

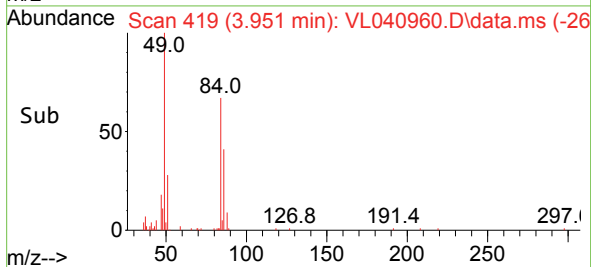
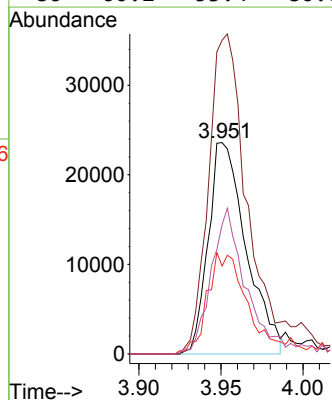
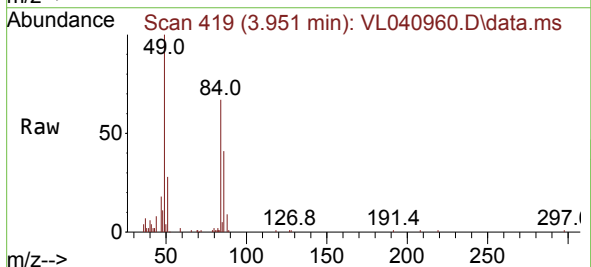
Instrument :
MSVOA_L
ClientSampleId :
QC120523 CAN 10428

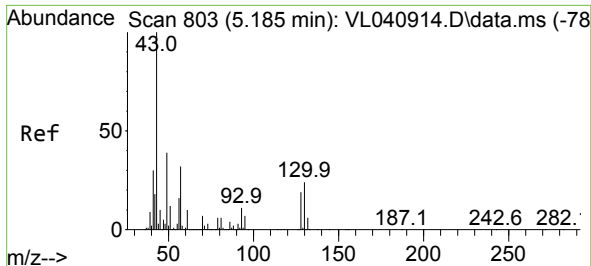
Tgt Ion: 43 Resp: 38093
Ion Ratio Lower Upper
43 100
58 38.2 20.6 30.8#



#20
Methylene Chloride
Concen: 0.849 ppbv
RT: 3.951 min Scan# 419
Delta R.T. -0.000 min
Lab File: VL040960.D
Acq: 22 Dec 2023 15:38

Tgt Ion: 84 Resp: 37882
Ion Ratio Lower Upper
84 100
49 147.4 124.6 187.0
51 40.0 37.2 55.8
86 60.2 53.4 80.0

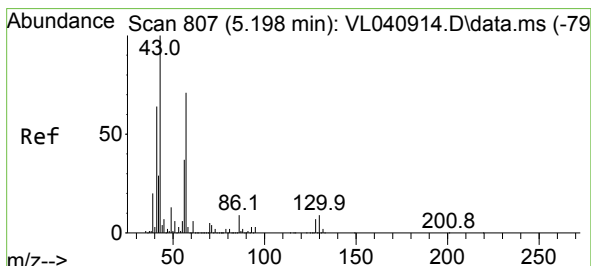
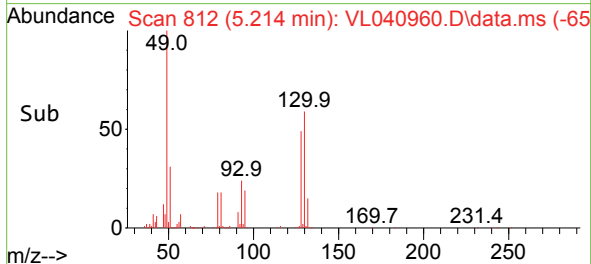
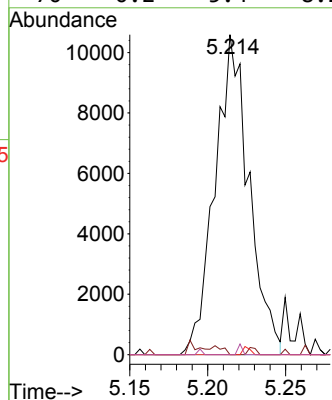
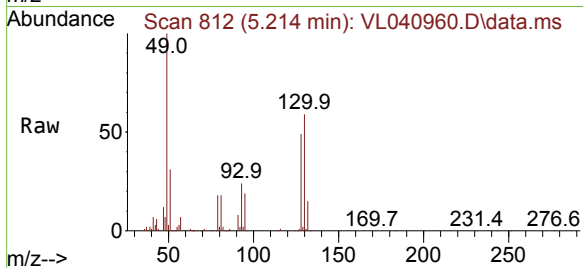




#25
Ethyl Acetate
Concen: 0.074 ppbv
RT: 5.214 min Scan# 812
Delta R.T. 0.010 min
Lab File: VL040960.D
Acq: 22 Dec 2023 15:38

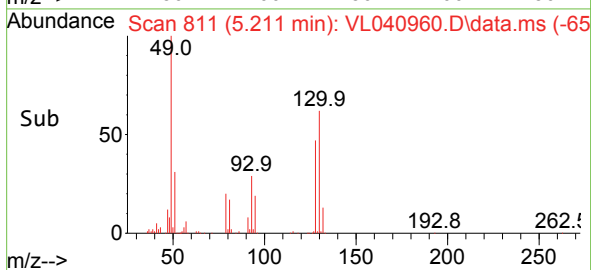
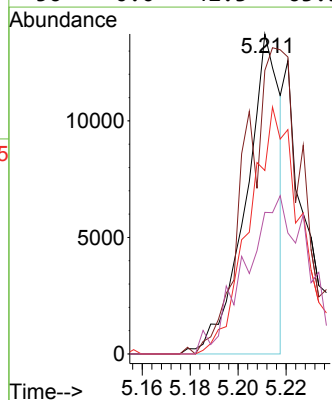
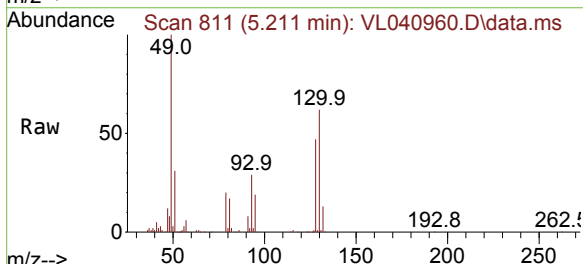
Instrument :
MSVOA_L
ClientSampleId :
QC120523 CAN 10428

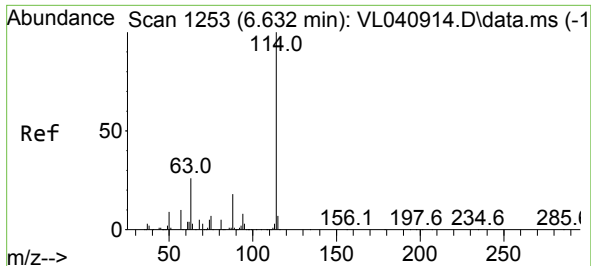
Tgt Ion: 43	Resp: 16085
Ion Ratio	Lower Upper
43 100	
45 2.3	8.2 12.2#
61 0.5	7.6 11.4#
70 0.2	5.4 8.2#



#26
Hexane
Concen: 0.140 ppbv
RT: 5.211 min Scan# 811
Delta R.T. -0.003 min
Lab File: VL040960.D
Acq: 22 Dec 2023 15:38

Tgt Ion: 57	Resp: 13493
Ion Ratio	Lower Upper
57 100	
41 178.2	75.2 112.8#
43 128.0	188.0 282.0#
56 0.0	42.3 63.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.642 min Scan# 11

Delta R.T. -0.000 min

Lab File: VL040960.D

Acq: 22 Dec 2023 15:38

Instrument :

MSVOA_L

ClientSampleId :

QC120523 CAN 10428

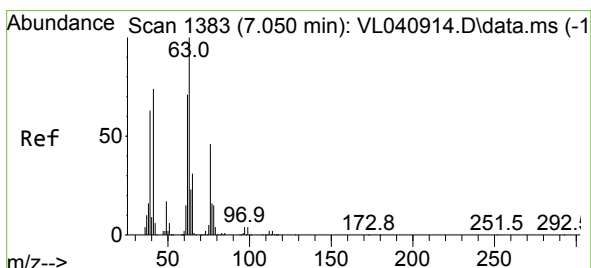
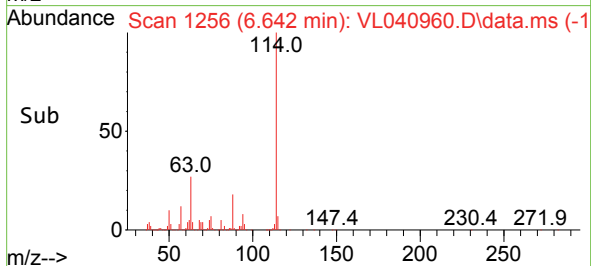
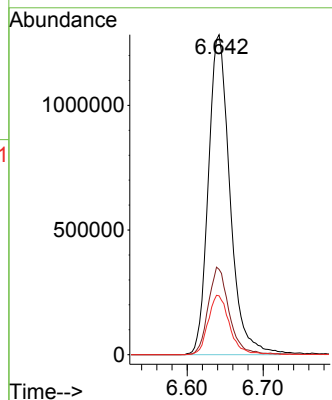
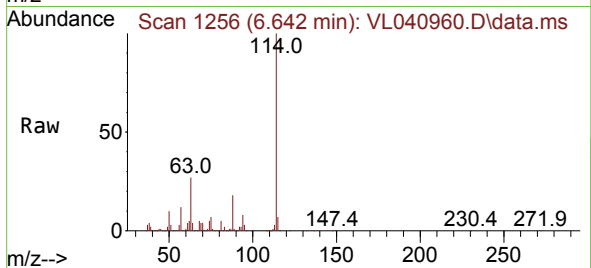
Tgt Ion:114 Resp: 2531379

Ion Ratio Lower Upper

114 100

63 26.8 21.0 31.6

88 18.6 14.3 21.5



#39

1,2-Dichloropropane

Concen: 8.561 ppbv

RT: 6.639 min Scan# 1255

Delta R.T. -0.421 min

Lab File: VL040960.D

Acq: 22 Dec 2023 15:38

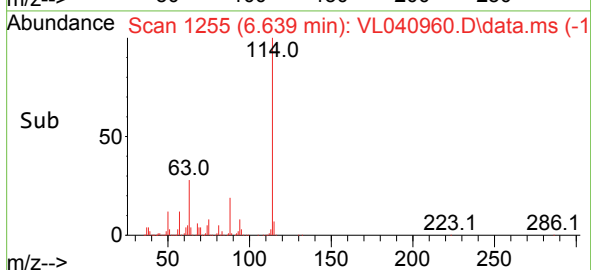
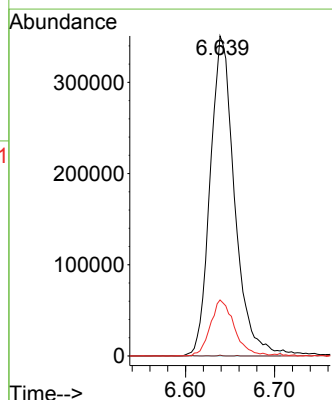
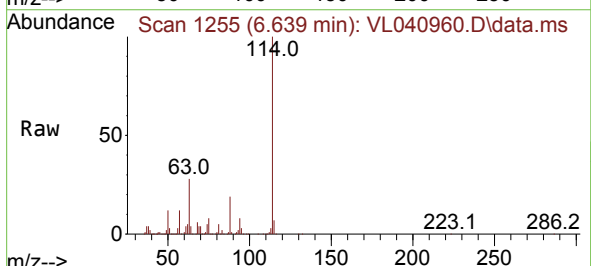
Tgt Ion: 63 Resp: 665762

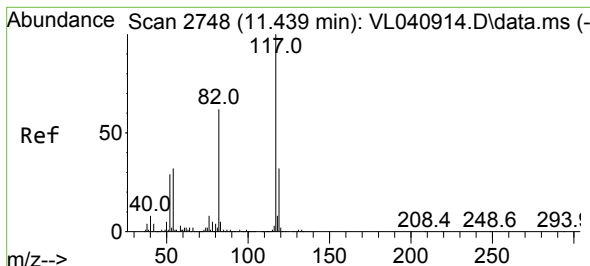
Ion Ratio Lower Upper

63 100

41 0.2 59.0 88.6#

62 17.5 56.6 85.0#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.436 min Scan# 21

Delta R.T. -0.000 min

Lab File: VL040960.D

Acq: 22 Dec 2023 15:38

Instrument :

MSVOA_L

ClientSampleId :

QC120523 CAN 10428

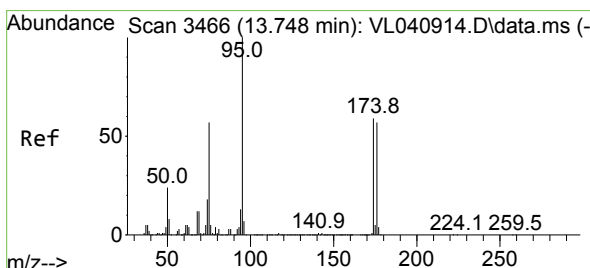
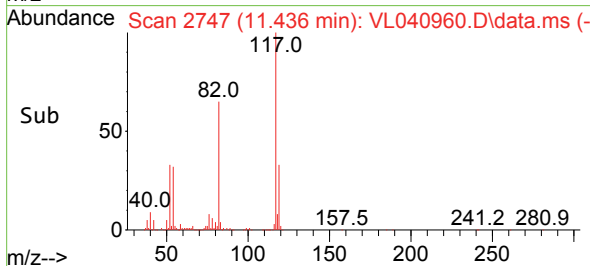
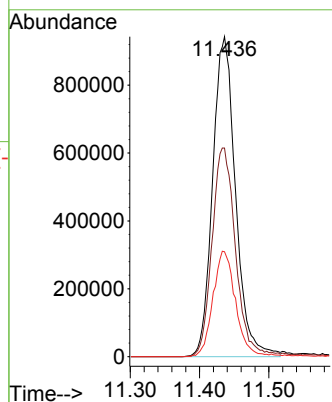
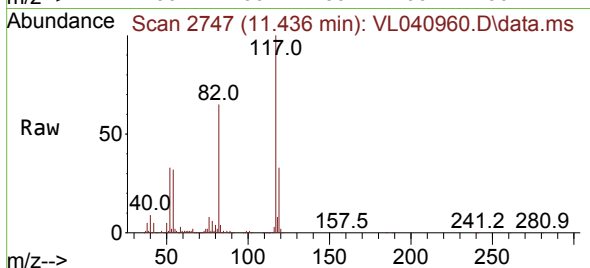
Tgt Ion:117 Resp: 2163763

Ion Ratio Lower Upper

117 100

82 68.5 49.6 74.4

119 33.2 23.4 35.0



#68

1-Bromo-4-Fluorobenzene

Concen: 9.973 ppbv

RT: 13.745 min Scan# 3465

Delta R.T. 0.006 min

Lab File: VL040960.D

Acq: 22 Dec 2023 15:38

Tgt Ion: 95 Resp: 1589556

Ion Ratio Lower Upper

95 100

174 59.7 48.0 72.0

175 4.5 3.7 5.5

