

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110823\
 Data File : VL040818.D
 Acq On : 8 Nov 2023 19:51
 Operator : SY/MD
 Sample : QC110223 CAN 10054
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC110223 CAN 10054

Quant Time: Nov 09 00:32:56 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101123AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Nov 09 00:25:02 2023
 Response via : Initial Calibration

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

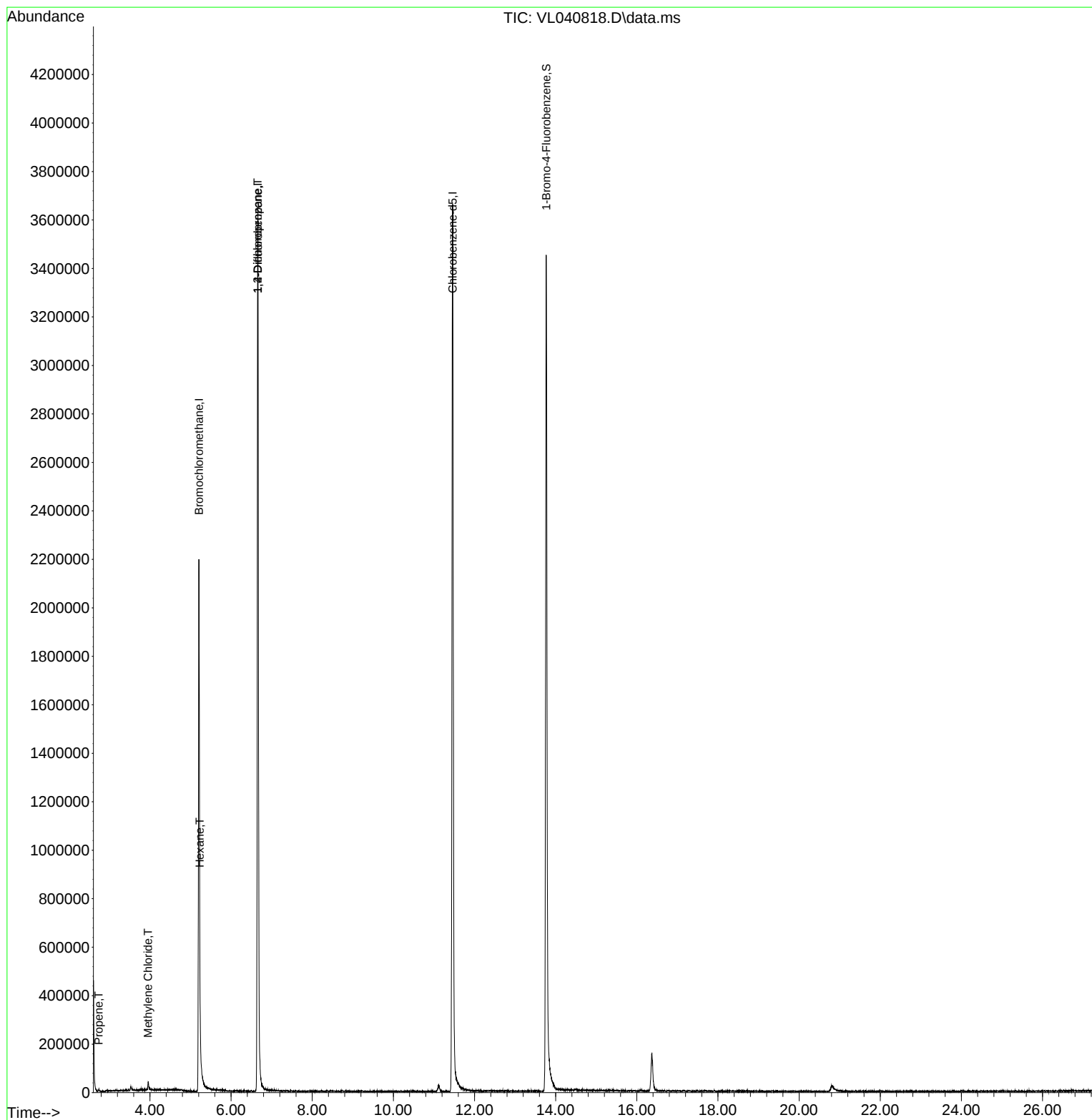
Internal Standards						
1) Bromochloromethane	5.208	49	1140006	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2800502	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2452638	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1815812	10.062	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.600%
Target Compounds						
					Qvalue	
9) Propene	2.738	41	2300	0.037	ppbv #	80
20) Methylene Chloride	3.954	84	10152	0.207	ppbv #	78
26) Hexane	5.227	57	5714	0.048	ppbv #	41
39) 1,2-Dichloropropane	6.658	63	705332	8.381	ppbv #	27

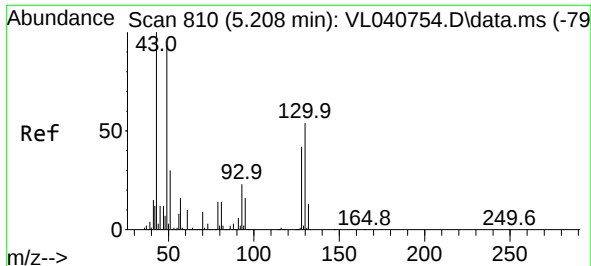
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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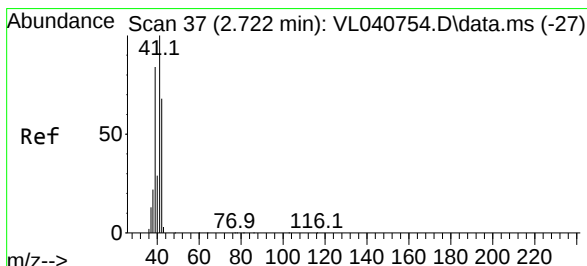
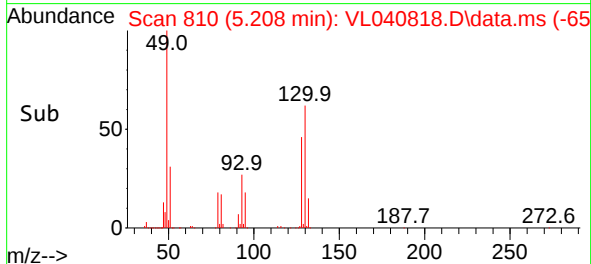
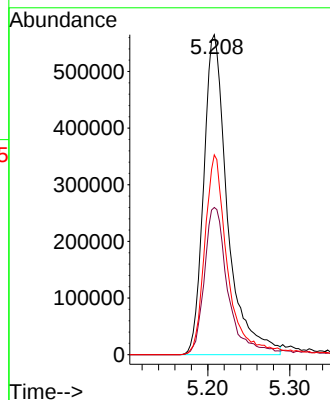
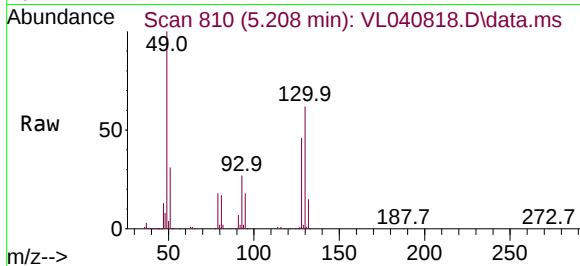




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.208 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VL040818.D
 Acq: 8 Nov 2023 19:51

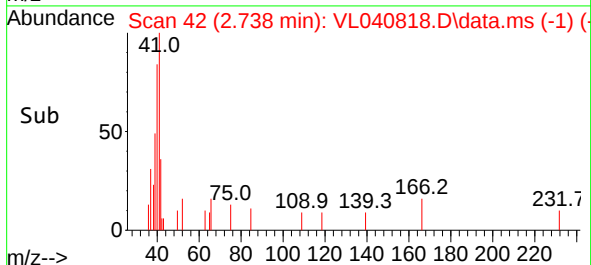
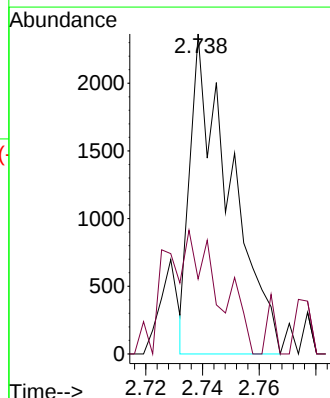
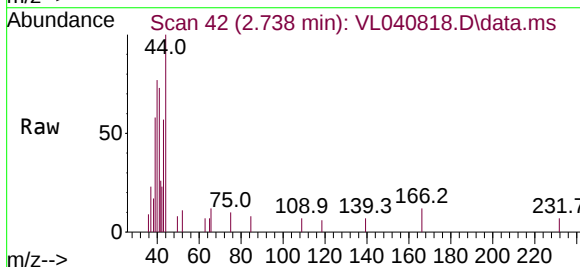
Instrument :
 MSVOA_L
 ClientSampleId :
 QC110223 CAN 10054

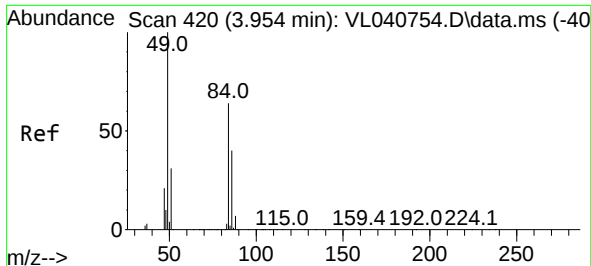
Tgt Ion: 49 Resp: 1140006
 Ion Ratio Lower Upper
 49 100
 128 46.9 23.9 71.7
 130 61.6 30.7 92.1



#9
 Propene
 Concen: 0.037 ppbv
 RT: 2.738 min Scan# 42
 Delta R.T. 0.003 min
 Lab File: VL040818.D
 Acq: 8 Nov 2023 19:51

Tgt Ion: 41 Resp: 2300
 Ion Ratio Lower Upper
 41 100
 42 55.0 57.1 85.7#

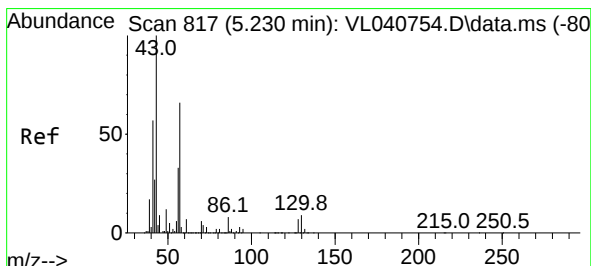
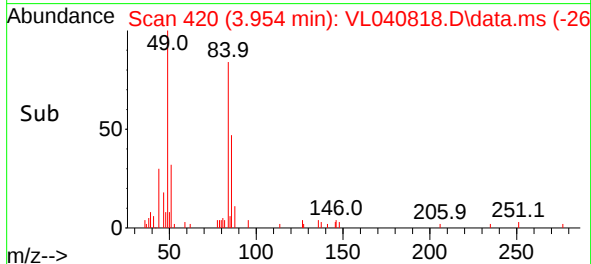
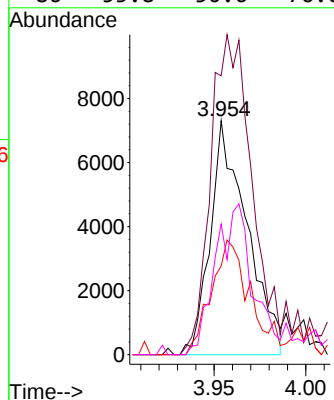
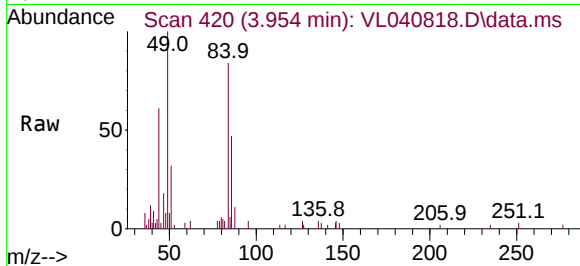




#20
Methylene Chloride
Concen: 0.207 ppbv
RT: 3.954 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL040818.D
Acq: 8 Nov 2023 19:51

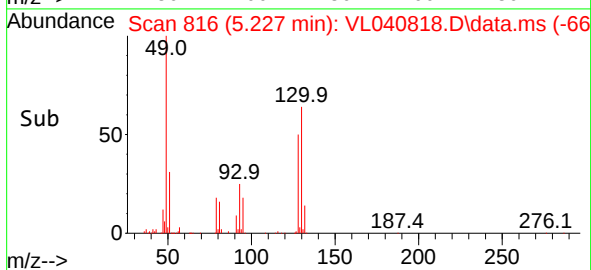
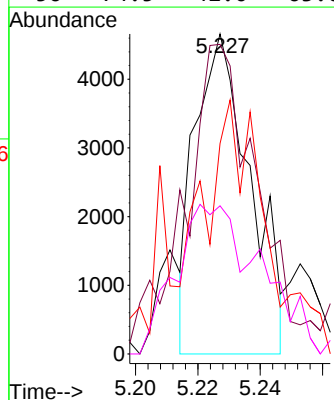
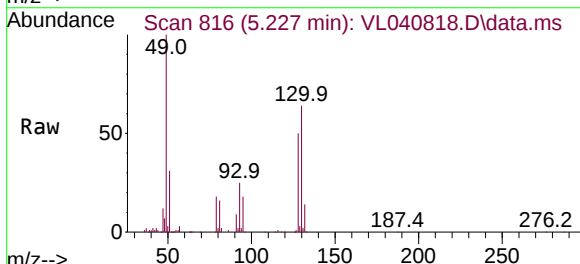
Instrument :
MSVOA_L
ClientSampleId :
QC110223 CAN 10054

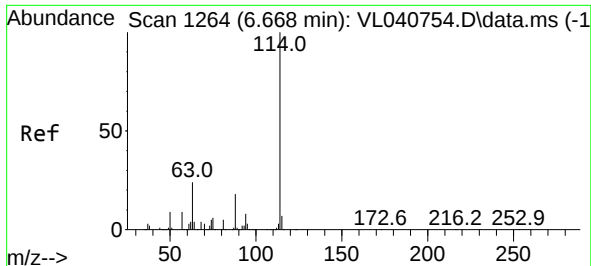
Tgt Ion:	84	Resp:	10152
Ion	Ratio	Lower	Upper
84	100		
49	119.2	125.6	188.4#
51	37.9	38.9	58.3#
86	55.8	50.6	76.0



#26
Hexane
Concen: 0.048 ppbv
RT: 5.227 min Scan# 816
Delta R.T. 0.000 min
Lab File: VL040818.D
Acq: 8 Nov 2023 19:51

Tgt Ion:	57	Resp:	5714
Ion	Ratio	Lower	Upper
57	100		
41	145.0	71.4	107.2#
43	120.3	182.3	273.5#
56	74.5	42.0	63.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 11

Delta R.T. -0.003 min

Lab File: VL040818.D

Acq: 8 Nov 2023 19:51

Instrument :

MSVOA_L

ClientSampleId :

QC110223 CAN 10054

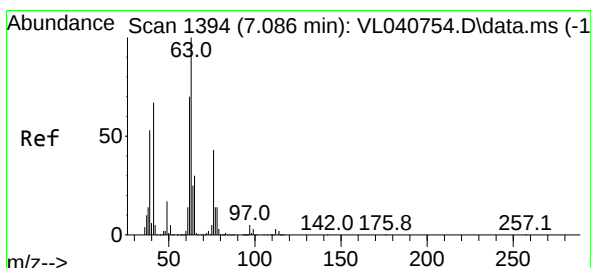
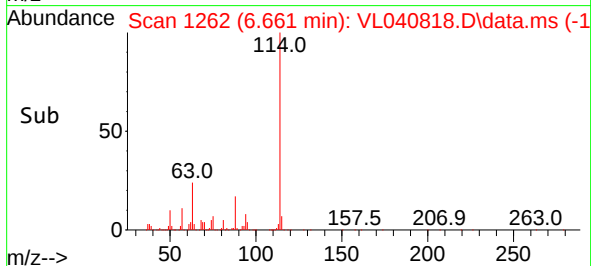
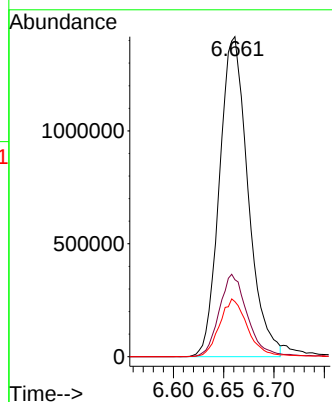
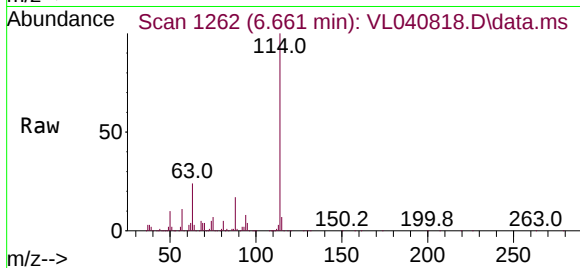
Tgt Ion:114 Resp: 2800502

Ion Ratio Lower Upper

114 100

63 25.9 19.8 29.6

88 18.0 14.2 21.2



#39

1,2-Dichloropropane

Concen: 8.381 ppbv

RT: 6.658 min Scan# 1261

Delta R.T. -0.424 min

Lab File: VL040818.D

Acq: 8 Nov 2023 19:51

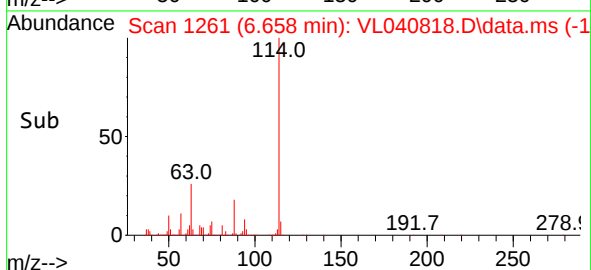
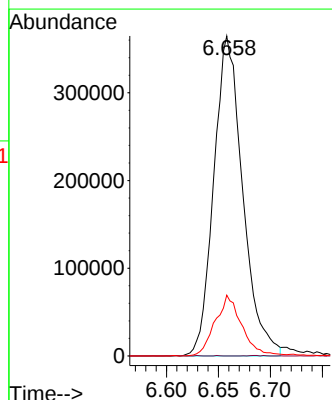
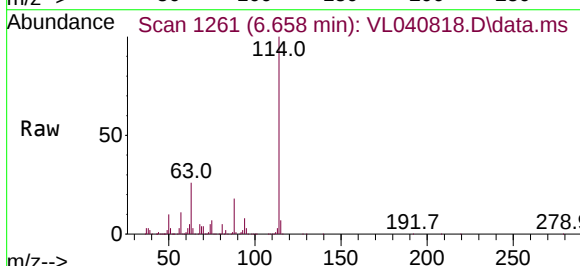
Tgt Ion: 63 Resp: 705332

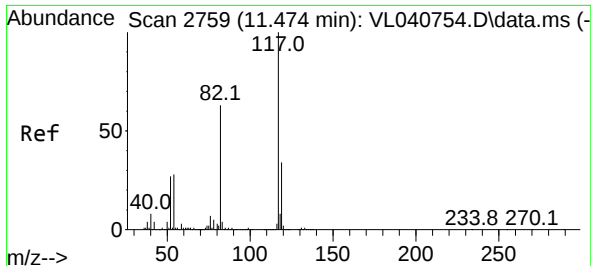
Ion Ratio Lower Upper

63 100

41 0.0 53.7 80.5#

62 19.0 55.7 83.5#

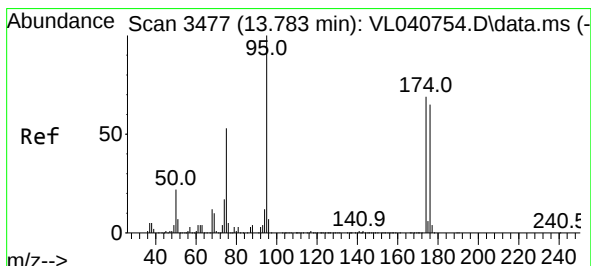
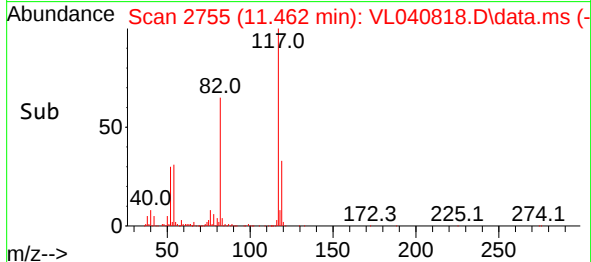
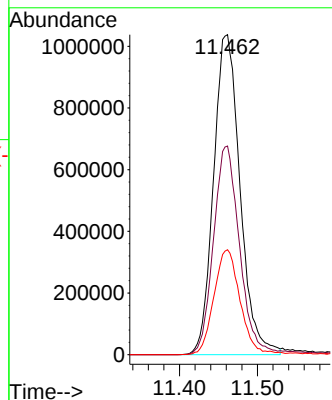
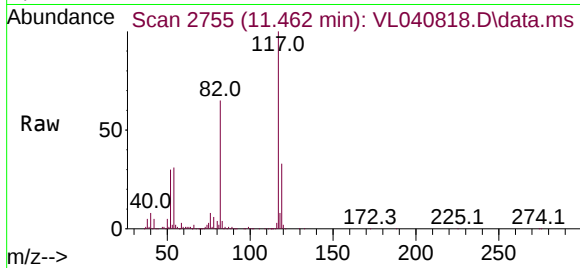




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040818.D
Acq: 8 Nov 2023 19:51

Instrument :
MSVOA_1
ClientSampleId :
QC110223 CAN 10054

Tgt Ion:117 Resp: 2452638
Ion Ratio Lower Upper
117 100
82 65.7 46.6 70.0
119 32.9 26.0 39.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.062 ppbv
RT: 13.767 min Scan# 3472
Delta R.T. -0.003 min
Lab File: VL040818.D
Acq: 8 Nov 2023 19:51

Tgt Ion: 95 Resp: 1815812
Ion Ratio Lower Upper
95 100
174 60.8 54.7 82.1
175 4.8 4.2 6.4

