

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL052925\
 Data File : VL042597.D
 Acq On : 29 May 2025 21:44
 Operator : SY/MD
 Sample : QC052725 CAN 10609
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC052725 CAN 10609

Quant Time: May 30 02:15:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

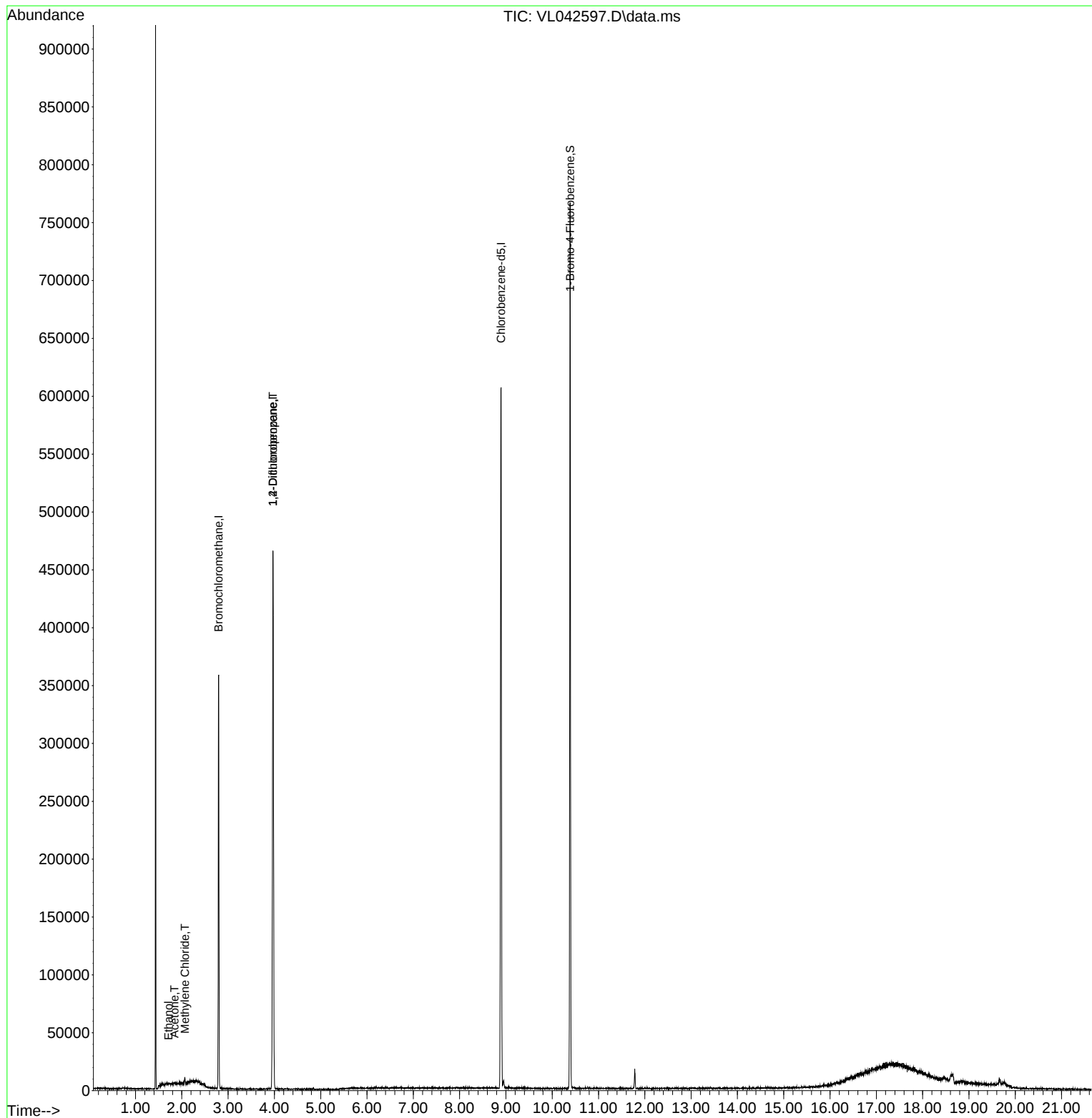
Internal Standards						
1) Bromochloromethane	2.793	49	103012	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	291229	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.894	117	260705	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.386	95	193381	9.895	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.000%
Target Compounds						
					Qvalue	
13) Ethanol	1.712	45	141	0.168	ppbv #	39
15) Acetone	1.842	43	818	0.066	ppbv #	78
20) Methylene Chloride	2.068	84	774	0.189	ppbv #	77
39) 1,2-Dichloropropane	3.968	63	70914	6.686	ppbv #	22

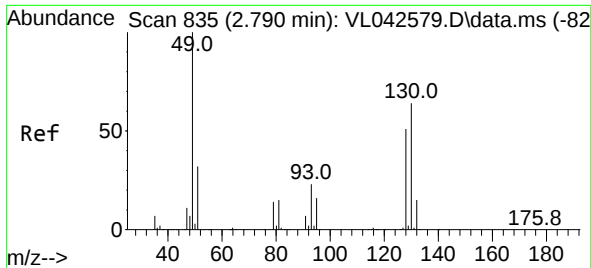
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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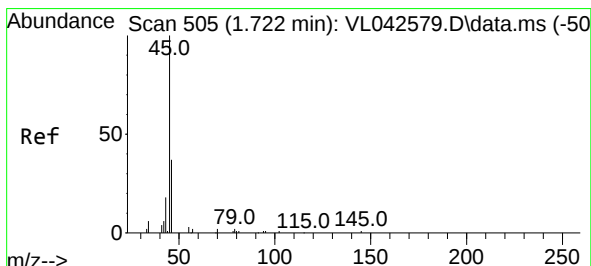
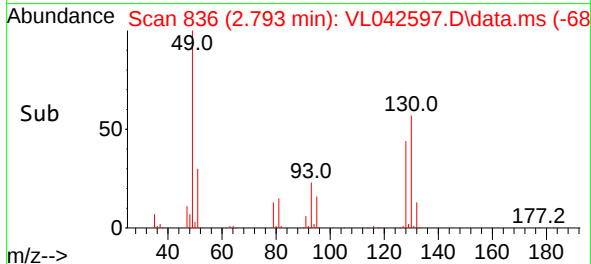
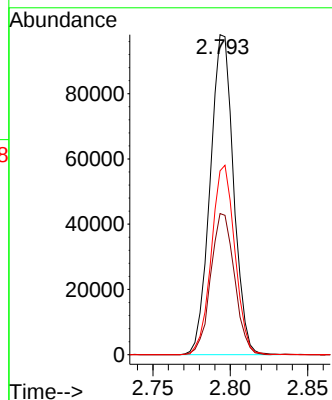
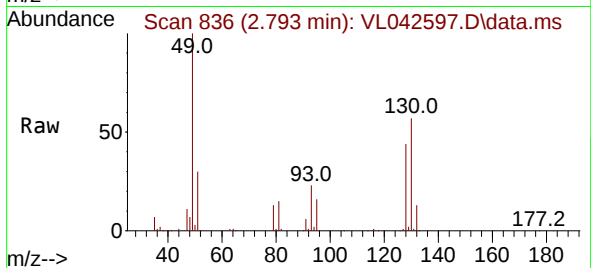




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL042597.D
Acq: 29 May 2025 21:44

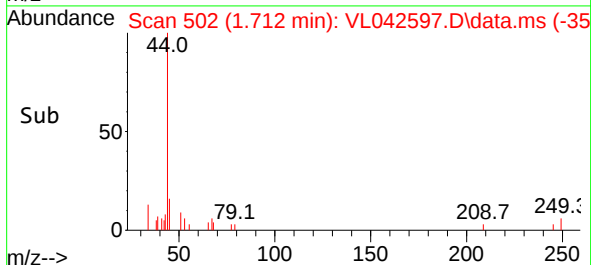
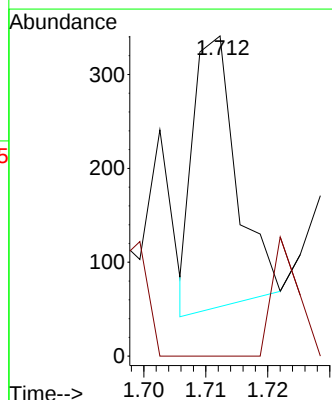
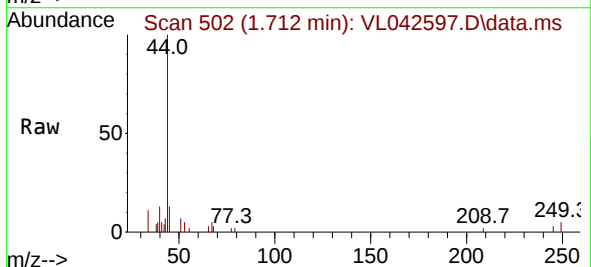
Instrument :
MSVOA_L
ClientSampleId :
QC052725 CAN 10609

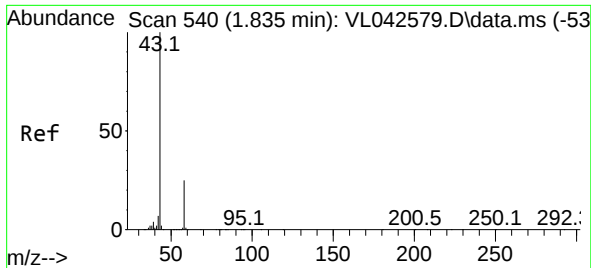
Tgt Ion: 49 Resp: 103012
Ion Ratio Lower Upper
49 100
128 44.8 24.2 72.6
130 59.4 30.4 91.2



#13
Ethanol
Concen: 0.168 ppbv
RT: 1.712 min Scan# 502
Delta R.T. -0.010 min
Lab File: VL042597.D
Acq: 29 May 2025 21:44

Tgt Ion: 45 Resp: 141
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1#





#15

Acetone

Concen: 0.066 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.006 min

Lab File: VL042597.D

Acq: 29 May 2025 21:44

Instrument :

MSVOA_L

ClientSampleId :

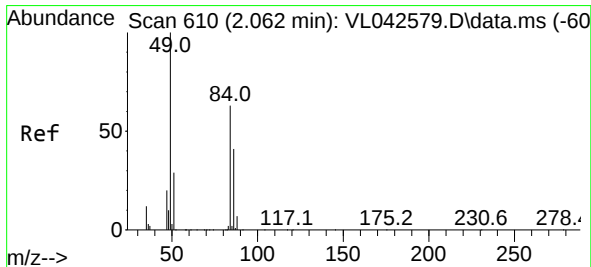
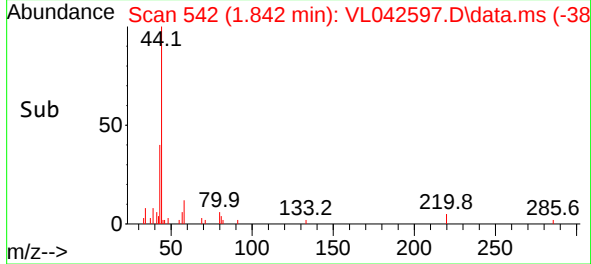
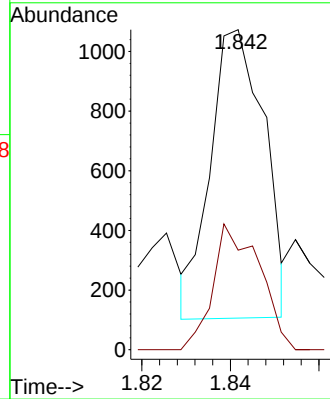
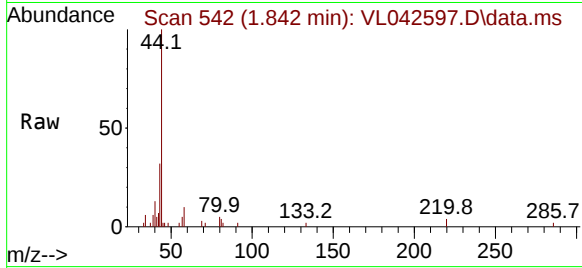
QC052725 CAN 10609

Tgt Ion: 43 Resp: 818

Ion Ratio Lower Upper

43 100

58 37.7 21.0 31.4#



#20

Methylene Chloride

Concen: 0.189 ppbv

RT: 2.068 min Scan# 612

Delta R.T. 0.006 min

Lab File: VL042597.D

Acq: 29 May 2025 21:44

Tgt Ion: 84 Resp: 774

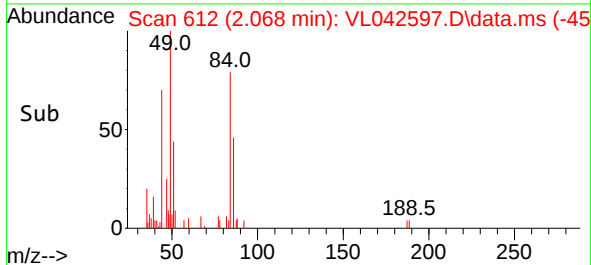
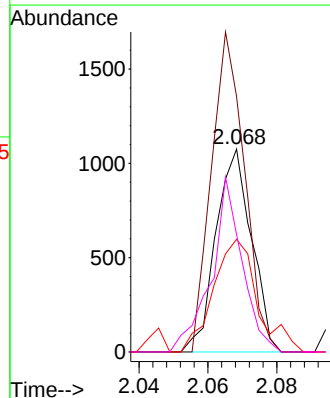
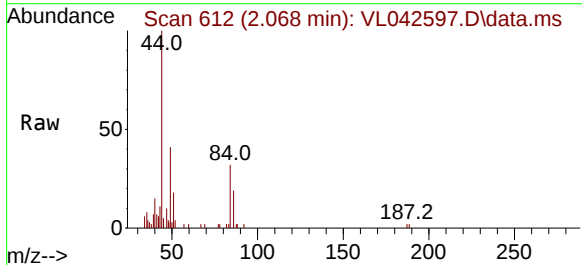
Ion Ratio Lower Upper

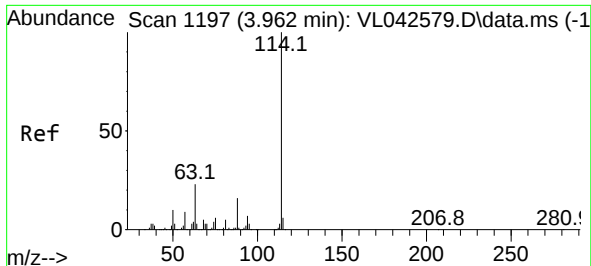
84 100

49 125.9 128.8 193.2#

51 66.9 38.6 57.8#

86 57.9 52.5 78.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.006 min

Lab File: VL042597.D

Acq: 29 May 2025 21:44

Instrument :

MSVOA_1

ClientSampleId :

QC052725 CAN 10609

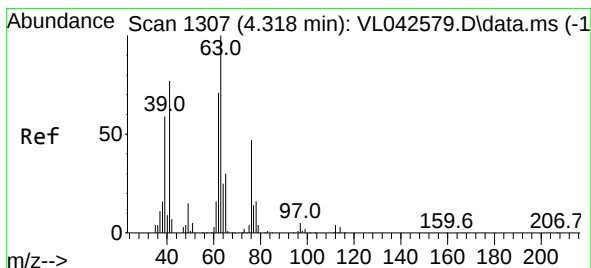
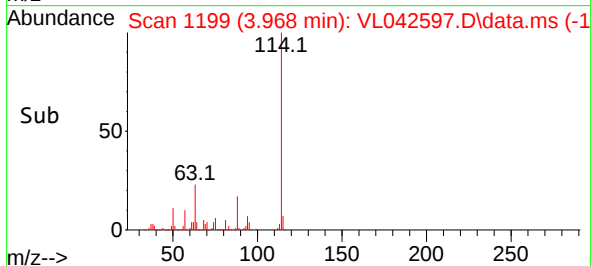
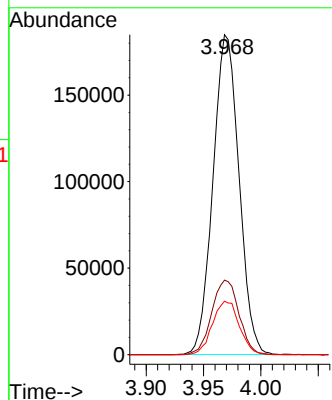
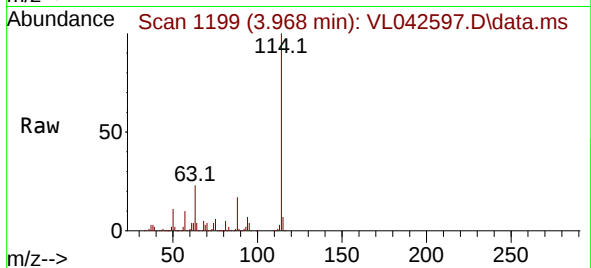
Tgt Ion:114 Resp: 291229

Ion Ratio Lower Upper

114 100

63 24.4 19.0 28.6

88 17.3 13.6 20.4



#39

1,2-Dichloropropane

Concen: 6.686 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.350 min

Lab File: VL042597.D

Acq: 29 May 2025 21:44

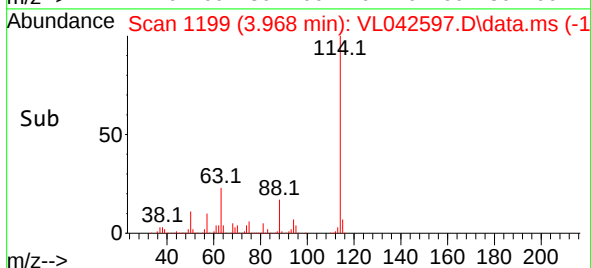
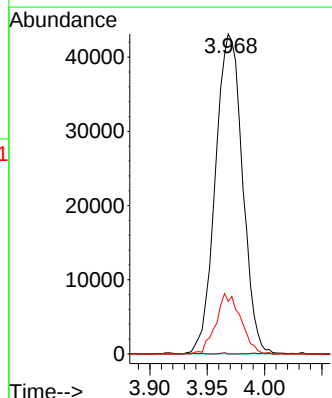
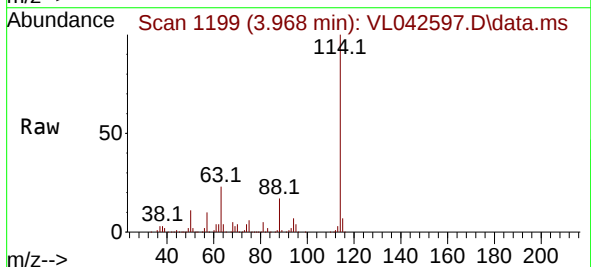
Tgt Ion: 63 Resp: 70914

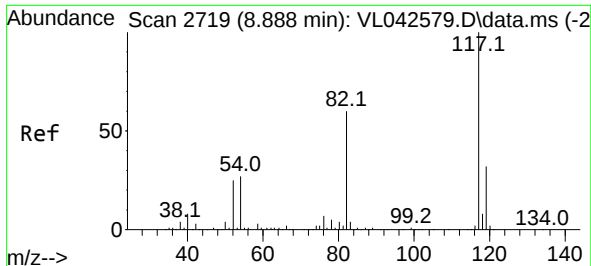
Ion Ratio Lower Upper

63 100

41 0.3 61.8 92.6#

62 16.5 56.6 85.0#

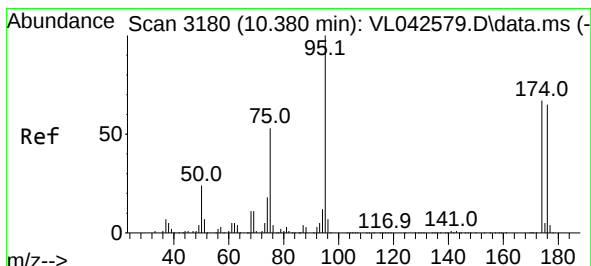
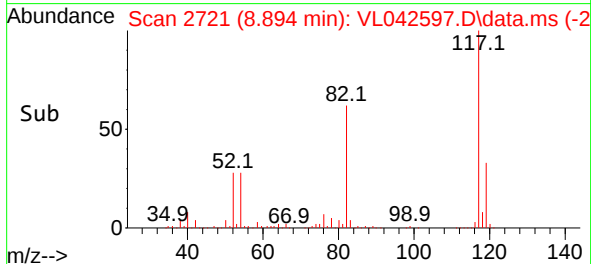
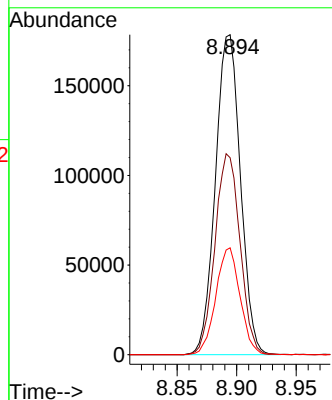
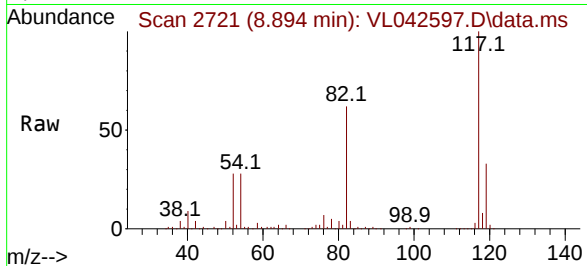




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.894 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VL042597.D
 Acq: 29 May 2025 21:44

Instrument :
 MSVOA_L
 ClientSampleId :
 QC052725 CAN 10609

Tgt Ion:	117	Resp:	260705
Ion	Ratio	Lower	Upper
117	100		
82	62.8	51.2	76.8
119	32.4	26.3	39.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.895 ppbv
 RT: 10.386 min Scan# 3182
 Delta R.T. 0.006 min
 Lab File: VL042597.D
 Acq: 29 May 2025 21:44

Tgt Ion:	95	Resp:	193381
Ion	Ratio	Lower	Upper
95	100		
174	64.5	53.1	79.7
175	5.1	4.2	6.2

