

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110325\
 Data File : VL043140.D
 Acq On : 03 Nov 2025 10:21
 Operator : SY/MD
 Sample : CAN 10595
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10595

Quant Time: Nov 04 03:07:15 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

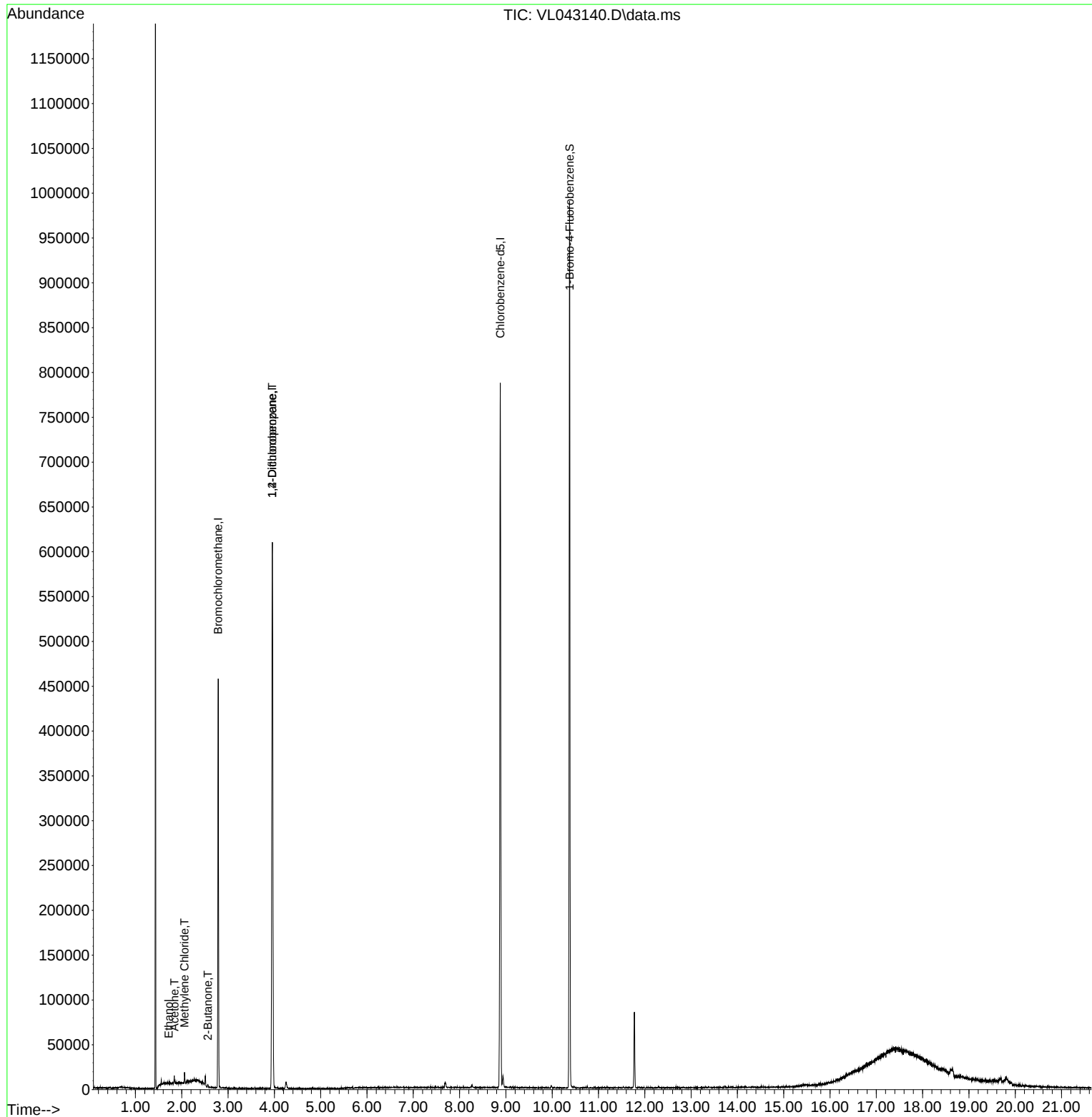
Internal Standards						
1) Bromochloromethane	2.787	49	120901	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	390173	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	338133	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	262010	9.969	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%
Target Compounds						
					Qvalue	
13) Ethanol	1.719	45	247	0.081	ppbv #	38
15) Acetone	1.839	43	3361	0.206	ppbv #	48
20) Methylene Chloride	2.059	84	1813	0.281	ppbv #	89
34) 2-Butanone	2.564	43	1859	0.071	ppbv	99
39) 1,2-Dichloropropane	3.956	63	92328	6.872	ppbv #	25

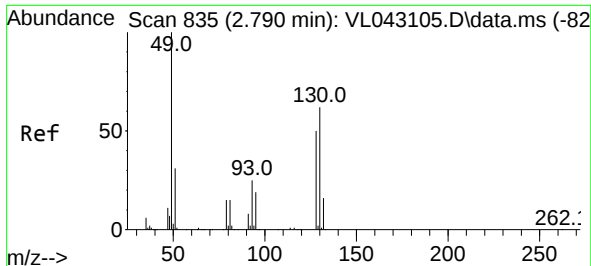
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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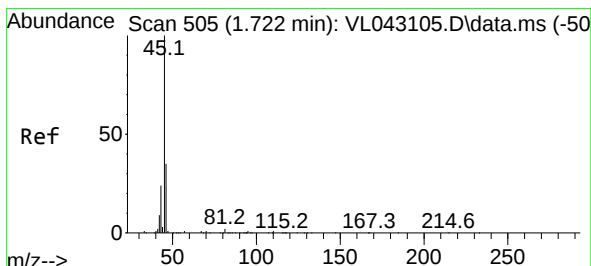
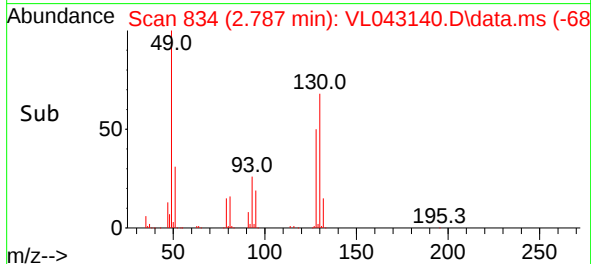
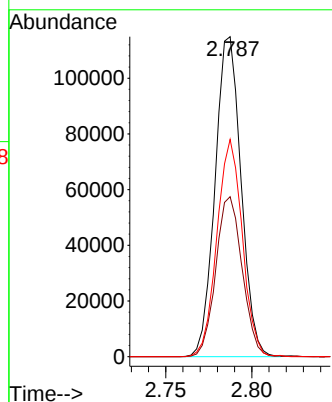
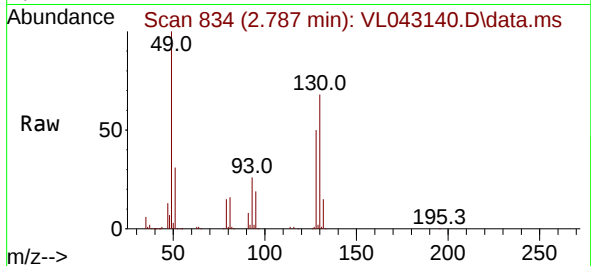




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

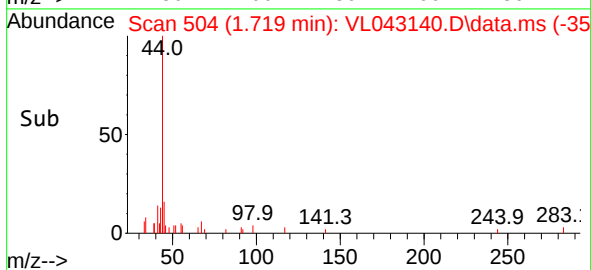
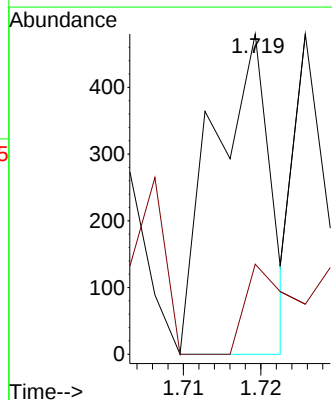
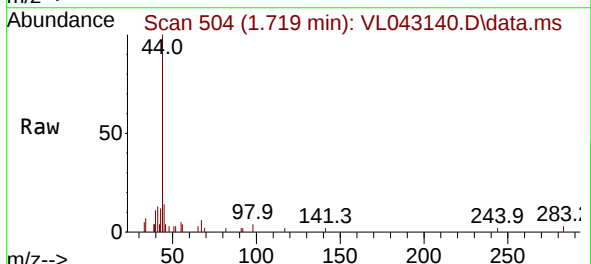
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

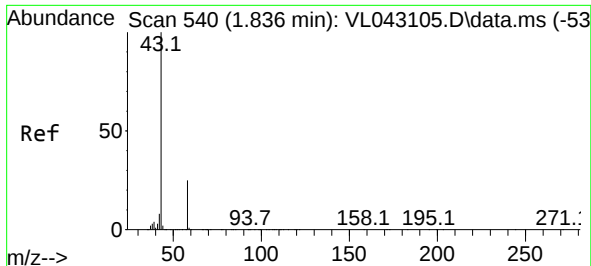
Tgt Ion: 49 Resp: 120901
Ion Ratio Lower Upper
49 100
128 50.7 24.4 73.4
130 66.2 31.0 93.0



#13
Ethanol
Concen: 0.081 ppbv
RT: 1.719 min Scan# 504
Delta R.T. -0.003 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion: 45 Resp: 247
Ion Ratio Lower Upper
45 100
46 0.0 14.7 58.9#

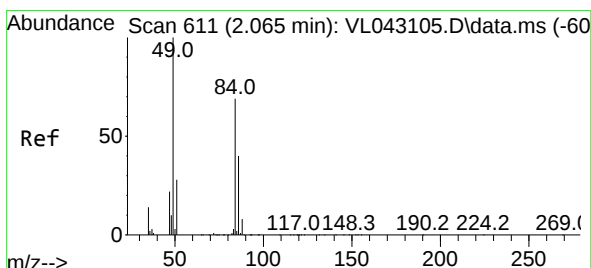
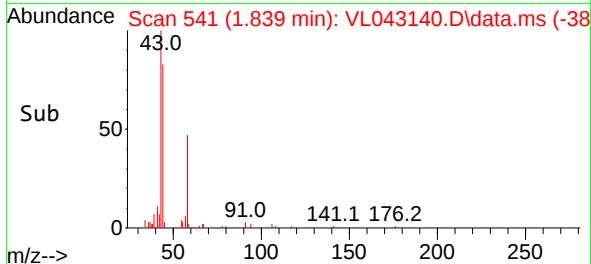
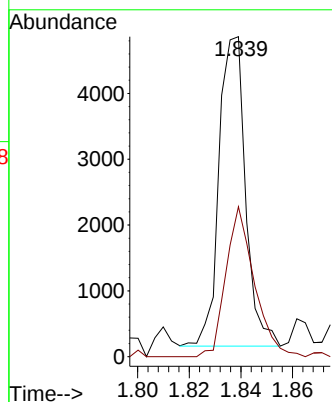
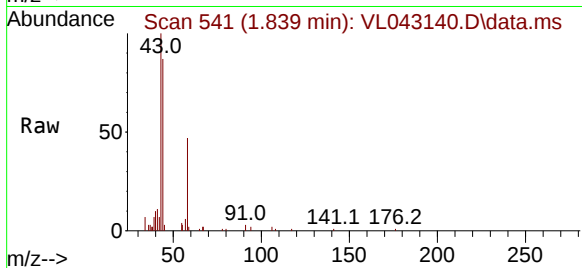




#15
Acetone
Concen: 0.206 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

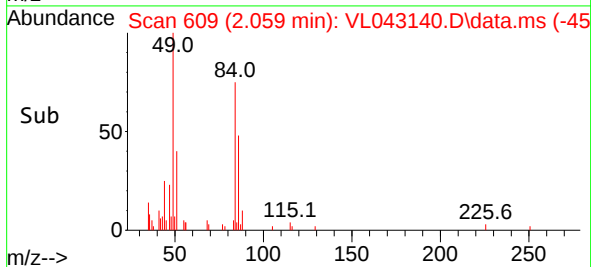
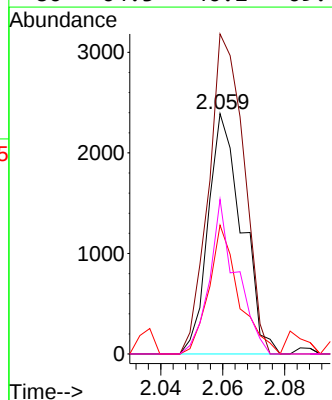
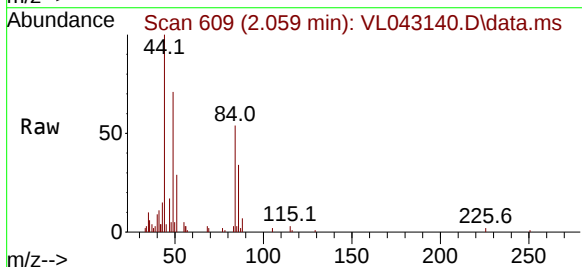
Instrument :
MSVOA_L
ClientSampleId :
CAN 10595

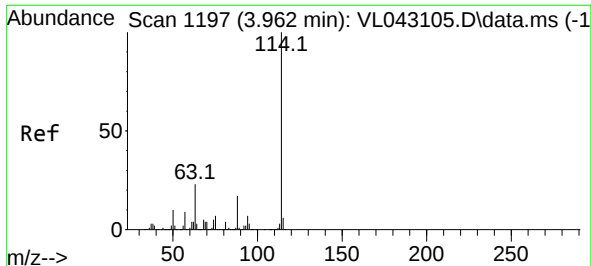
Tgt Ion: 43 Resp: 3361
Ion Ratio Lower Upper
43 100
58 52.5 20.8 31.2#



#20
Methylene Chloride
Concen: 0.281 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.006 min
Lab File: VL043140.D
Acq: 03 Nov 2025 10:21

Tgt Ion: 84 Resp: 1813
Ion Ratio Lower Upper
84 100
49 133.1 116.6 175.0
51 53.6 34.8 52.2#
86 64.3 46.2 69.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.006 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

CAN 10595

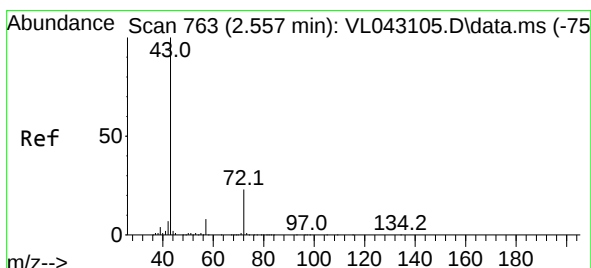
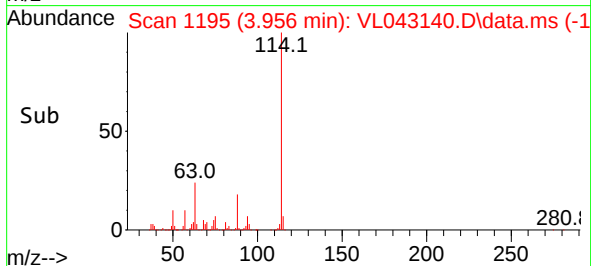
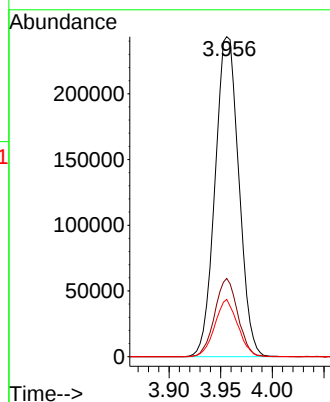
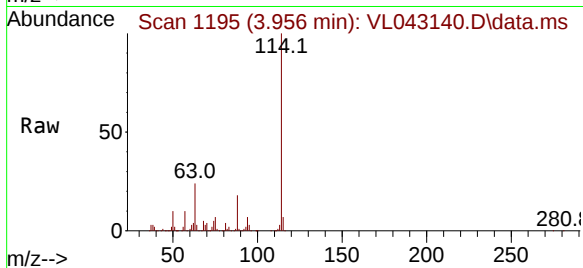
Tgt Ion:114 Resp: 390173

Ion Ratio Lower Upper

114 100

63 23.7 19.3 28.9

88 17.3 13.9 20.9



#34

2-Butanone

Concen: 0.071 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.007 min

Lab File: VL043140.D

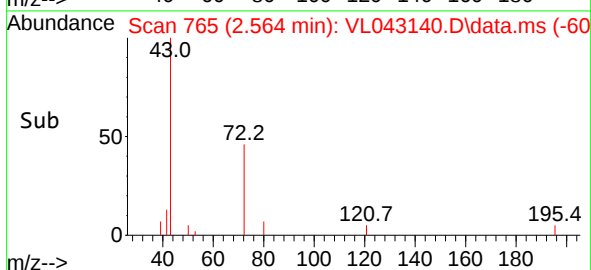
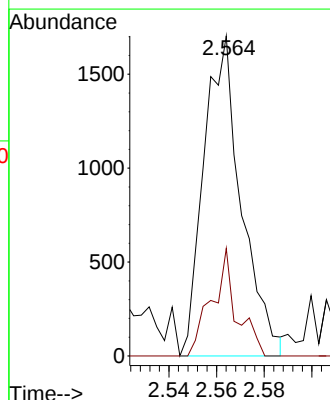
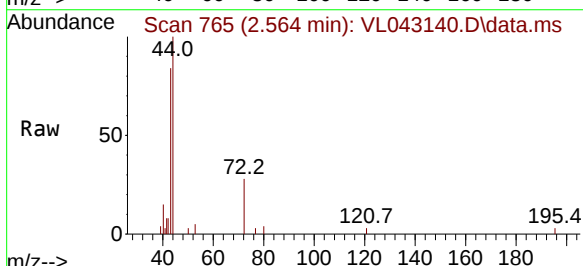
Acq: 03 Nov 2025 10:21

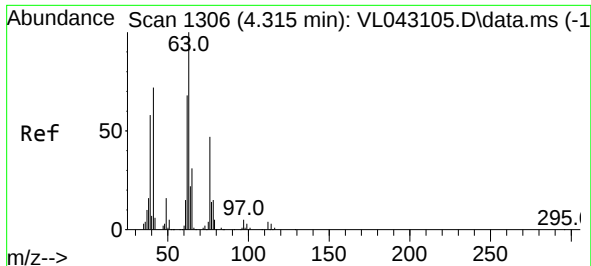
Tgt Ion: 43 Resp: 1859

Ion Ratio Lower Upper

43 100

72 22.4 18.4 27.6





#39

1,2-Dichloropropane

Concen: 6.872 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.359 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

CAN 10595

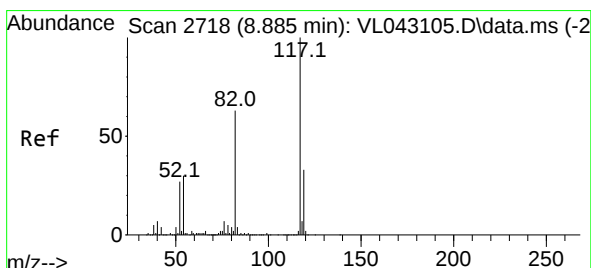
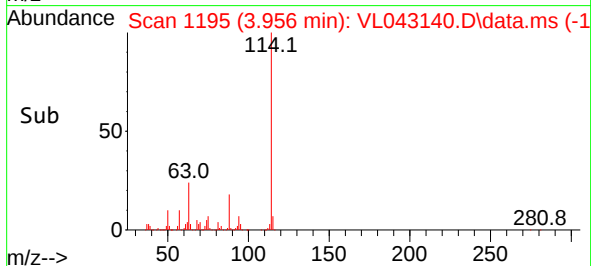
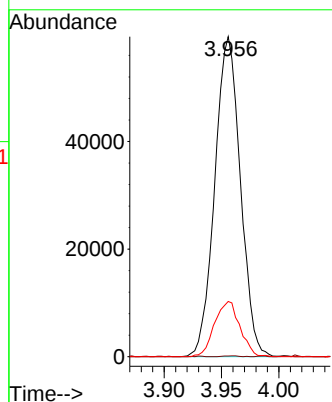
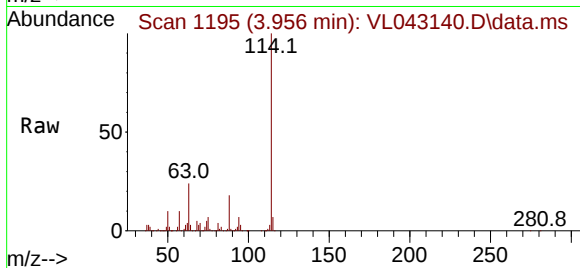
Tgt Ion: 63 Resp: 92328

Ion Ratio Lower Upper

63 100

41 0.2 58.0 87.0#

62 17.3 54.7 82.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.879 min Scan# 2716

Delta R.T. -0.006 min

Lab File: VL043140.D

Acq: 03 Nov 2025 10:21

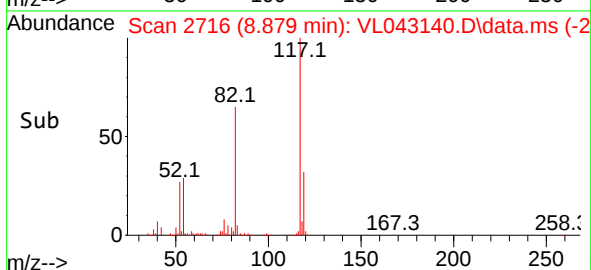
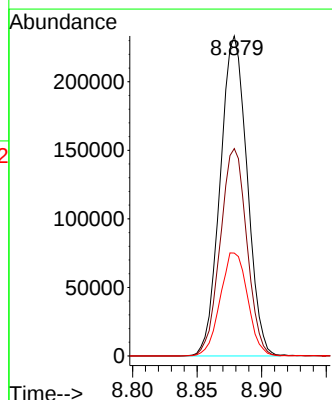
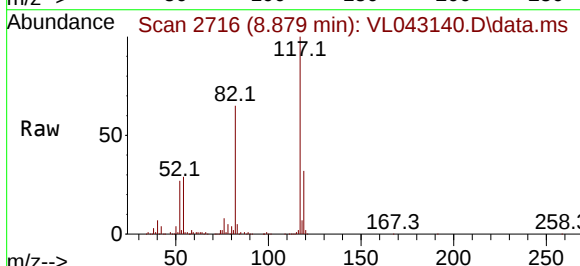
Tgt Ion: 117 Resp: 338133

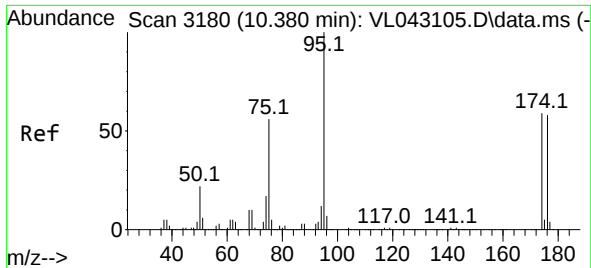
Ion Ratio Lower Upper

117 100

82 64.1 53.8 80.8

119 32.9 25.4 38.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.969 ppbv
 RT: 10.374 min Scan# 31
 Delta R.T. -0.006 min
 Lab File: VL043140.D
 Acq: 03 Nov 2025 10:21

Instrument :
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 ClientSampleId :
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Tgt Ion: 95 Resp: 262010
 Ion Ratio Lower Upper
 95 100
 174 64.4 48.3 72.5
 175 4.7 3.8 5.8

