

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
 Data File : VL043135.D
 Acq On : 17 Oct 2025 11:03
 Operator : SY/MD
 Sample : QC101525 CAN 10332
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC101525 CAN 10332

Quant Time: Oct 18 04:34:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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)

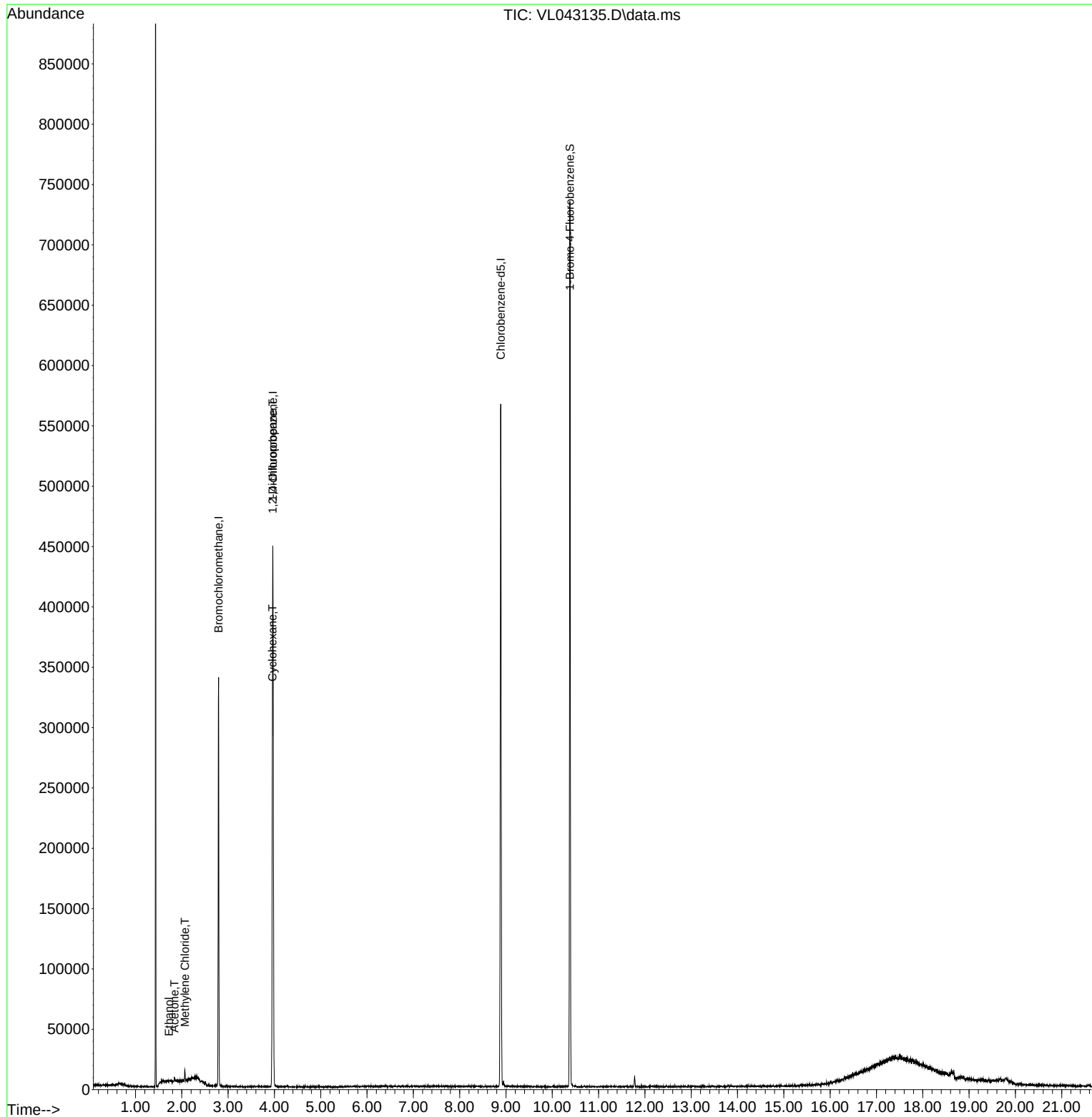
Internal Standards						
1) Bromochloromethane	2.793	49	86103	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	266279	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	226940	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	184716	10.472	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.700%
Target Compounds						
					Qvalue	
13) Ethanol	1.725	45	197	0.091	ppbv #	38
15) Acetone	1.839	43	1685	0.145	ppbv #	69
20) Methylene Chloride	2.068	84	1381	0.301	ppbv #	85
30) Cyclohexane	3.955	84	355	0.031	ppbv #	8
39) 1,2-Dichloropropane	3.962	63	70167	7.653	ppbv #	25

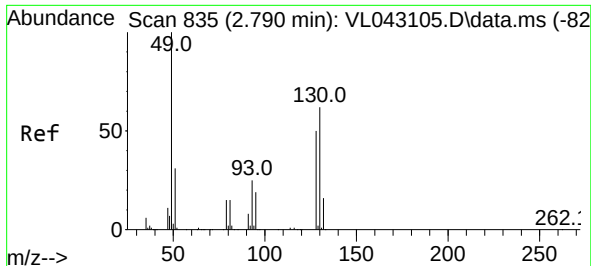
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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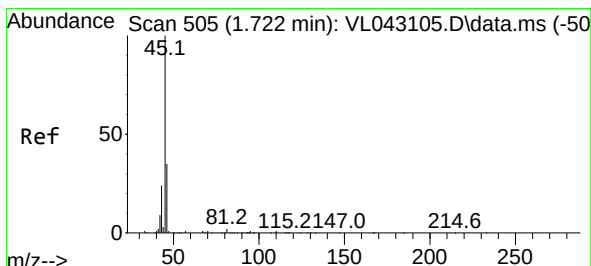
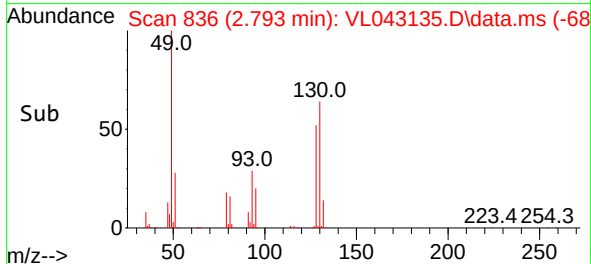
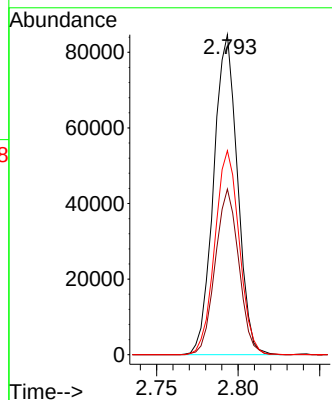
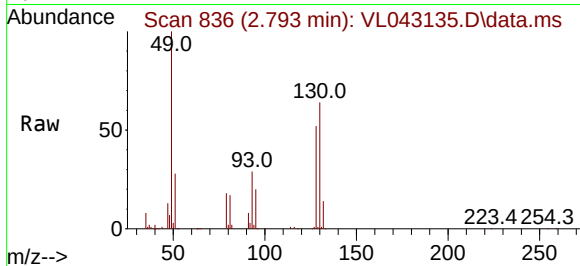




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043135.D
Acq: 17 Oct 2025 11:03

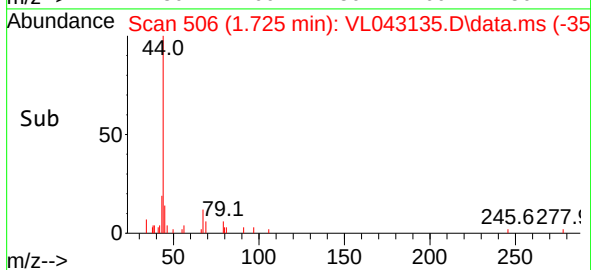
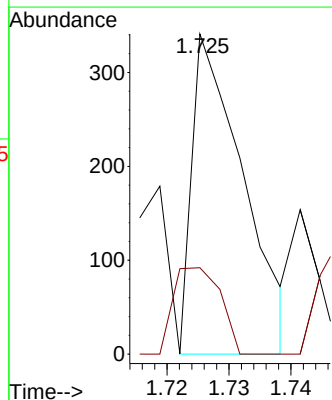
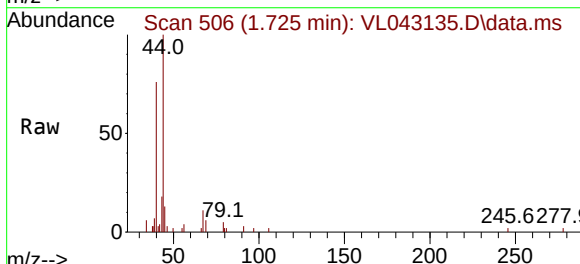
Instrument :
MSVOA_L
ClientSampleId :
QC101525 CAN 10332

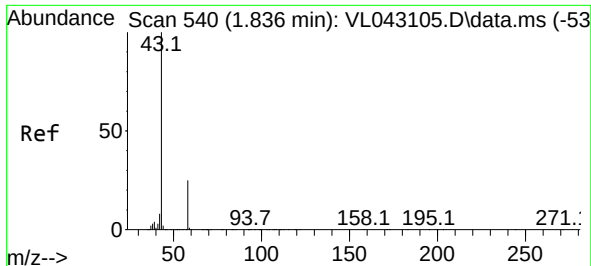
Tgt Ion: 49 Resp: 86103
Ion Ratio Lower Upper
49 100
128 51.2 24.4 73.4
130 65.3 31.0 93.0



#13
Ethanol
Concen: 0.091 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.003 min
Lab File: VL043135.D
Acq: 17 Oct 2025 11:03

Tgt Ion: 45 Resp: 197
Ion Ratio Lower Upper
45 100
46 0.0 14.7 58.9#

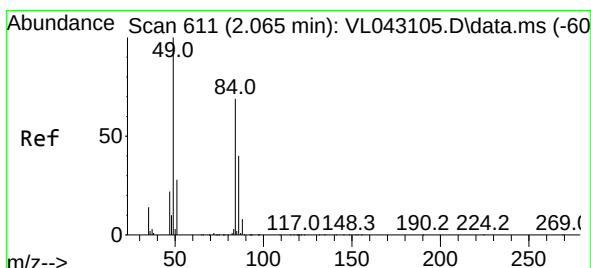
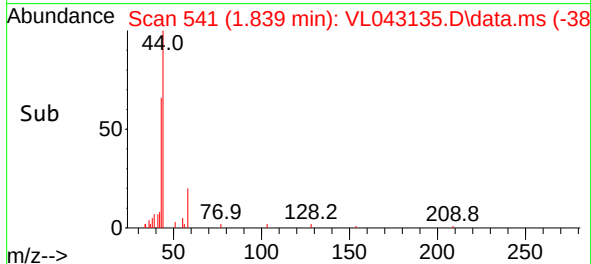
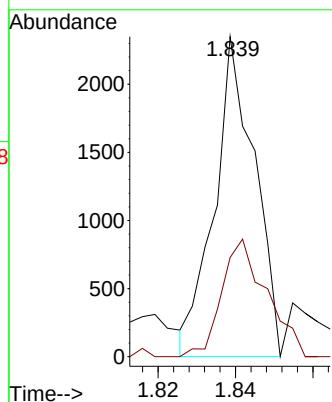
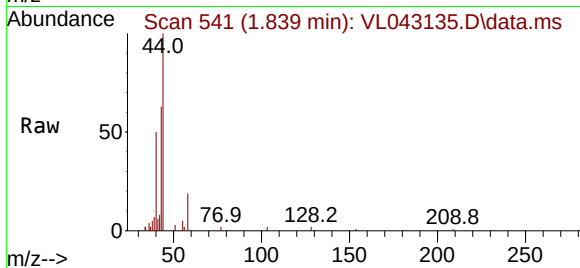




#15
Acetone
Concen: 0.145 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL043135.D
Acq: 17 Oct 2025 11:03

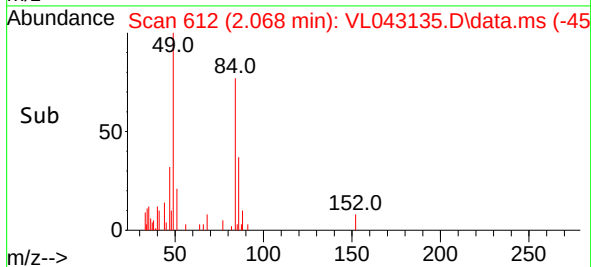
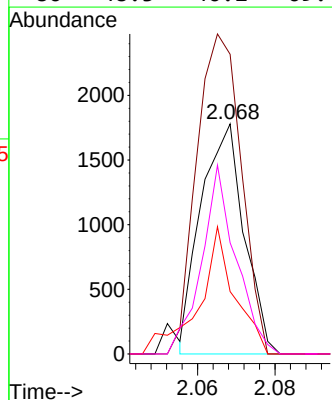
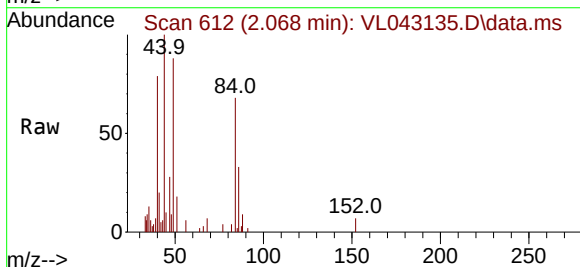
Instrument :
MSVOA_L
ClientSampleId :
QC101525 CAN 10332

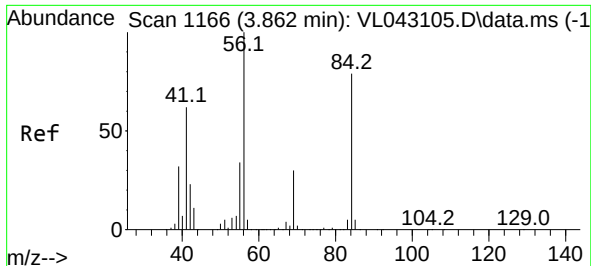
Tgt Ion: 43 Resp: 1685
Ion Ratio Lower Upper
43 100
58 41.9 20.8 31.2#



#20
Methylene Chloride
Concen: 0.301 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.003 min
Lab File: VL043135.D
Acq: 17 Oct 2025 11:03

Tgt Ion: 84 Resp: 1381
Ion Ratio Lower Upper
84 100
49 130.2 116.6 175.0
51 27.1 34.8 52.2#
86 48.3 46.2 69.4





#30

Cyclohexane

Concen: 0.031 ppbv

RT: 3.955 min Scan# 1195

Delta R.T. 0.094 min

Lab File: VL043135.D

Acq: 17 Oct 2025 11:03

Instrument :

MSVOA_L

ClientSampleId :

QC101525 CAN 10332

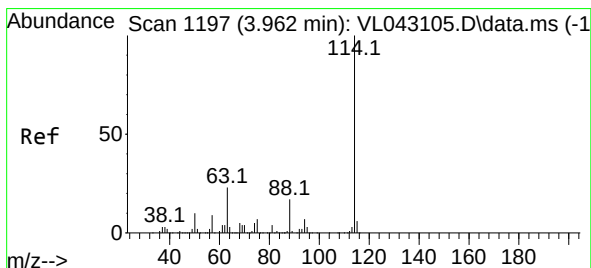
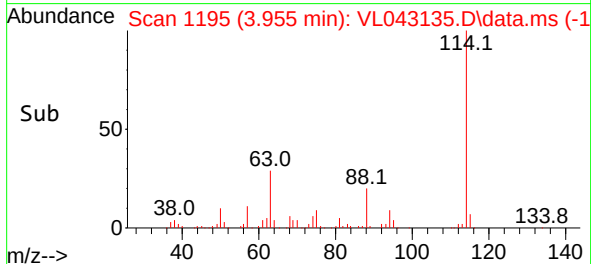
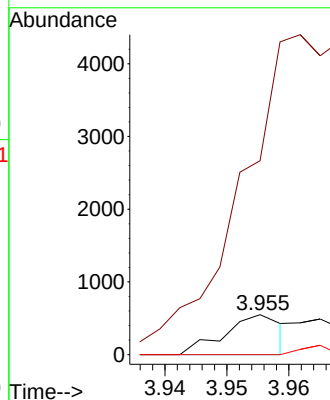
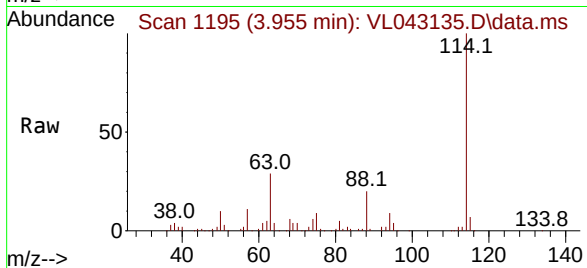
Tgt Ion: 84 Resp: 355

Ion Ratio Lower Upper

84 100

56 0.0 100.9 151.3#

41 24.8 63.8 95.6#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. 0.003 min

Lab File: VL043135.D

Acq: 17 Oct 2025 11:03

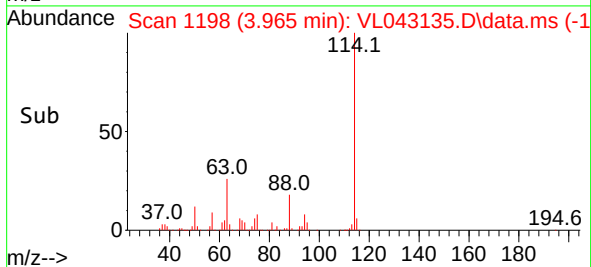
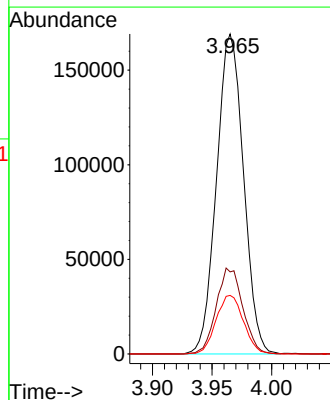
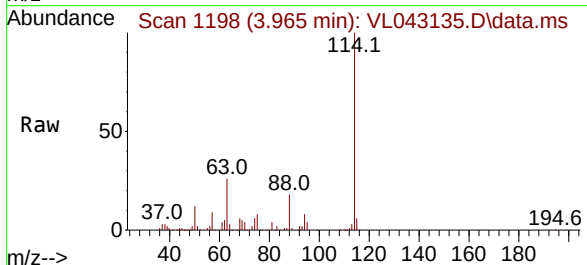
Tgt Ion: 114 Resp: 266279

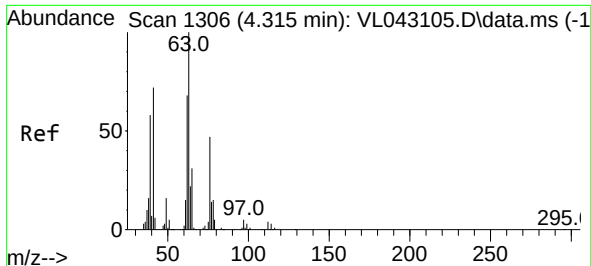
Ion Ratio Lower Upper

114 100

63 26.4 19.3 28.9

88 18.6 13.9 20.9





#39

1,2-Dichloropropane

Concen: 7.653 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.353 min

Lab File: VL043135.D

Acq: 17 Oct 2025 11:03

Instrument :

MSVOA_L

ClientSampleId :

QC101525 CAN 10332

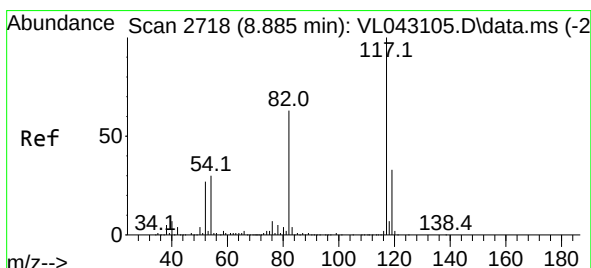
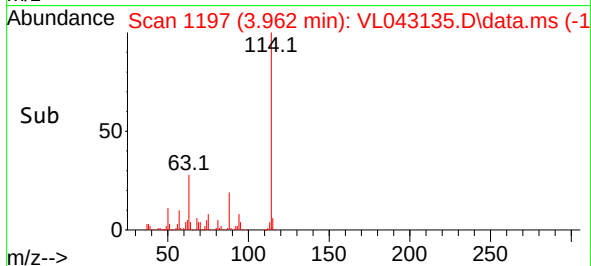
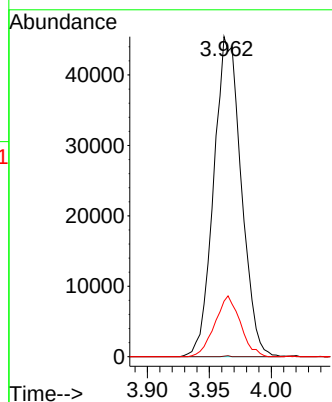
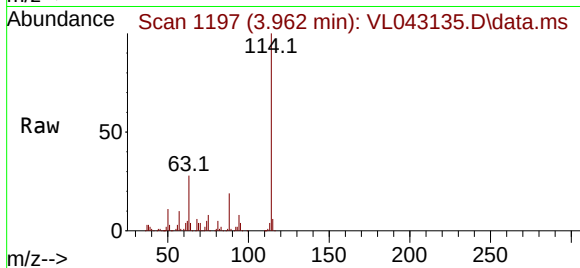
Tgt Ion: 63 Resp: 70167

Ion Ratio Lower Upper

63 100

41 0.2 58.0 87.0#

62 17.4 54.7 82.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.003 min

Lab File: VL043135.D

Acq: 17 Oct 2025 11:03

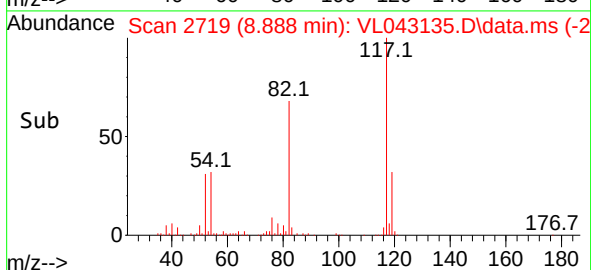
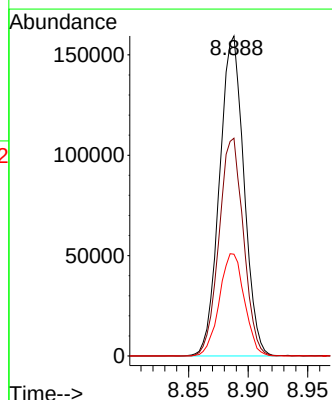
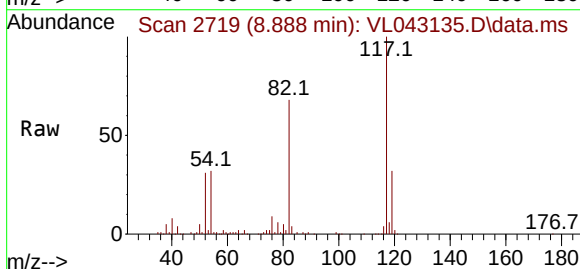
Tgt Ion: 117 Resp: 226940

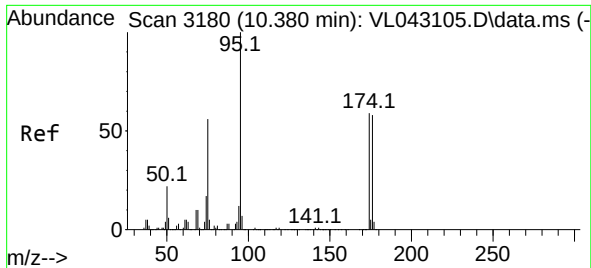
Ion Ratio Lower Upper

117 100

82 68.2 53.8 80.8

119 32.8 25.4 38.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.472 ppbv
 RT: 10.380 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VL043135.D
 Acq: 17 Oct 2025 11:03

Instrument :
 MSVOA_L
 ClientSampleId :
 QC101525 CAN 10332

Tgt Ion: 95 Resp: 184716
 Ion Ratio Lower Upper
 95 100
 174 58.6 48.3 72.5
 175 4.2 3.8 5.8

