

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043330.D
 Acq On : 09 Dec 2025 01:11
 Operator : SY/MD
 Sample : Q3798-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Dec 09 01:51:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

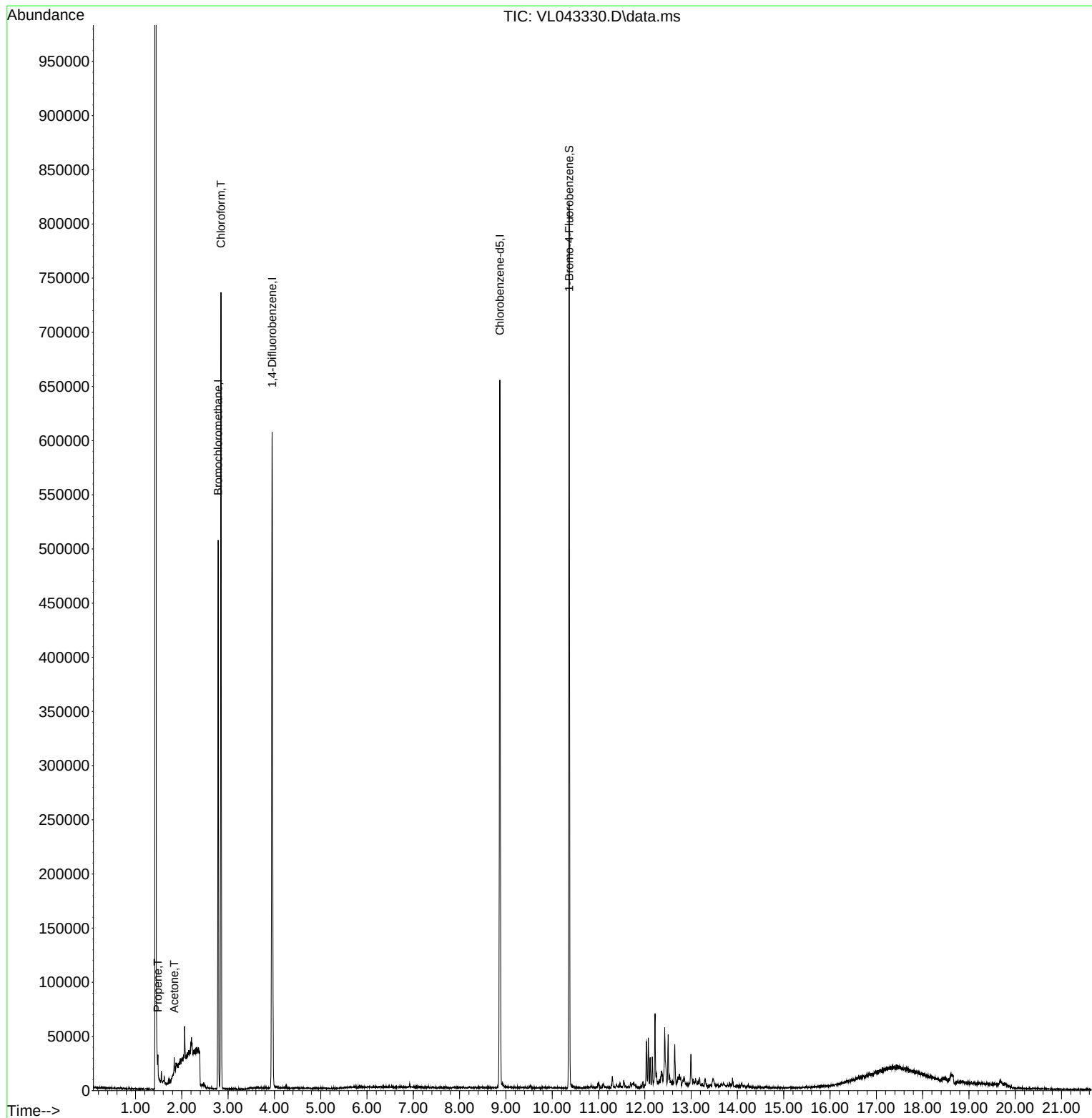
Internal Standards						
1) Bromochloromethane	2.784	49	135207	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	342039	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.868	117	262872	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	189370	9.828	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.300%
Target Compounds						
					Qvalue	
9) Propene	1.482	41	1528	0.192	ppbv #	1
15) Acetone	1.835	43	6355	0.338	ppbv	98
29) Chloroform	2.845	83	292025	11.567	ppbv	98

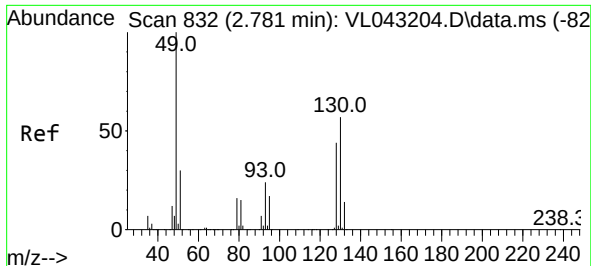
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 09 01:51:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

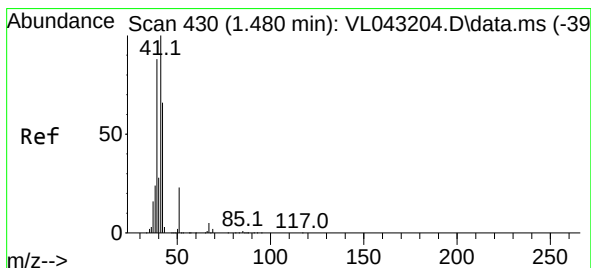
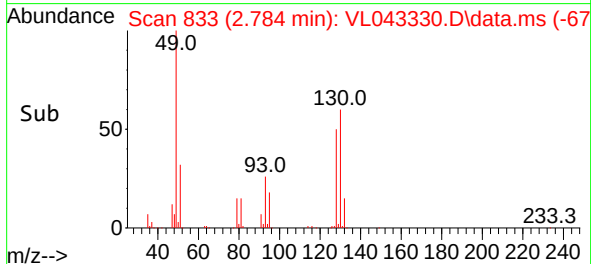
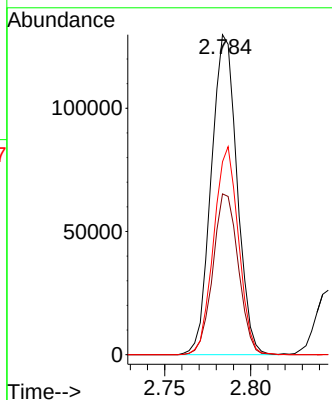
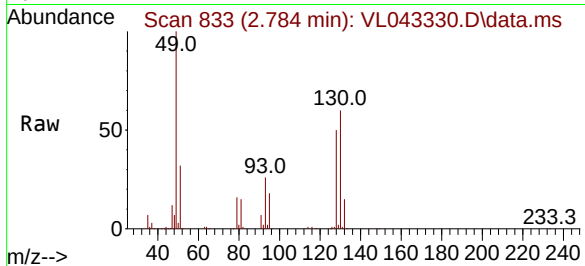




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043330.D
Acq: 09 Dec 2025 01:11

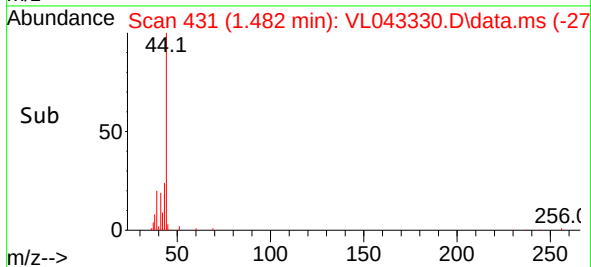
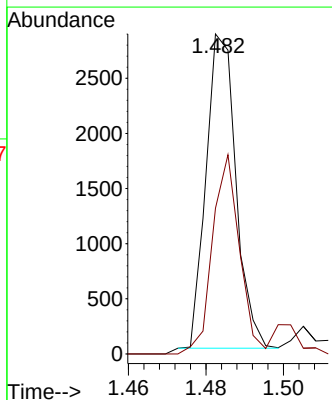
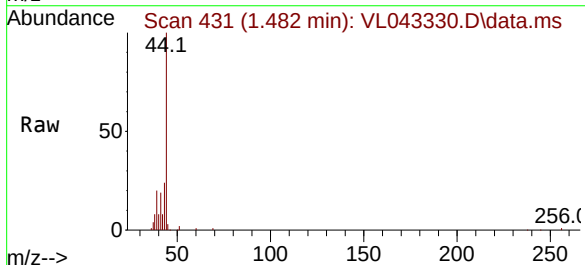
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

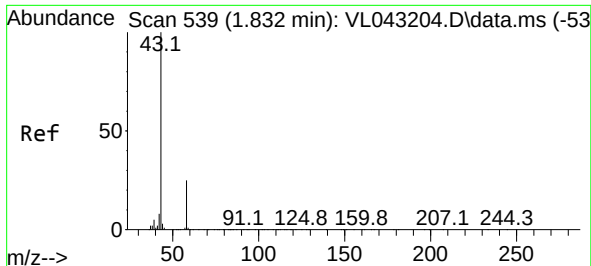
Tgt Ion: 49 Resp: 135207
Ion Ratio Lower Upper
49 100
128 49.7 23.0 69.0
130 62.5 29.9 89.7



#9
Propene
Concen: 0.192 ppbv
RT: 1.482 min Scan# 431
Delta R.T. 0.003 min
Lab File: VL043330.D
Acq: 09 Dec 2025 01:11

Tgt Ion: 41 Resp: 1528
Ion Ratio Lower Upper
41 100
42 64.6 3.7 5.5#

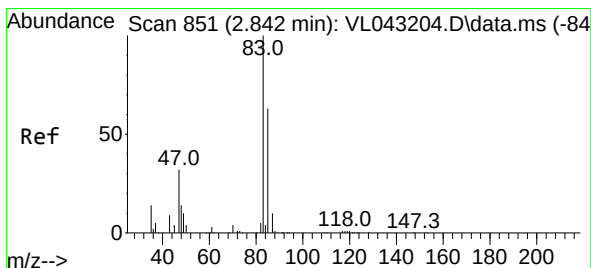
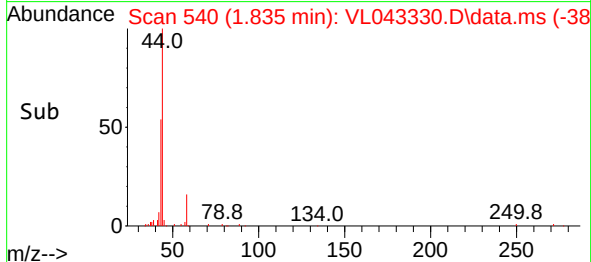
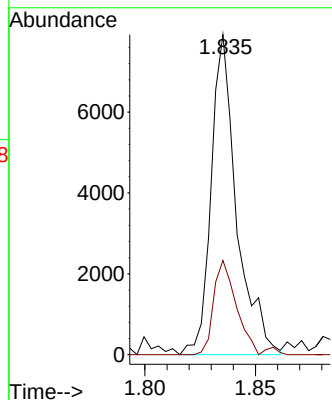
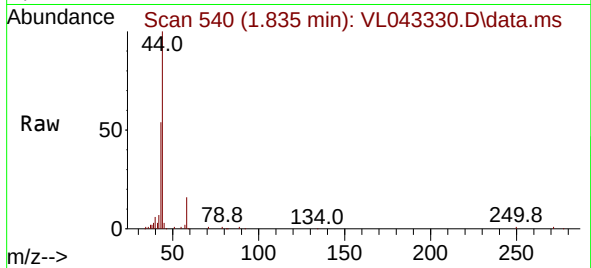




#15
Acetone
Concen: 0.338 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL043330.D
Acq: 09 Dec 2025 01:11

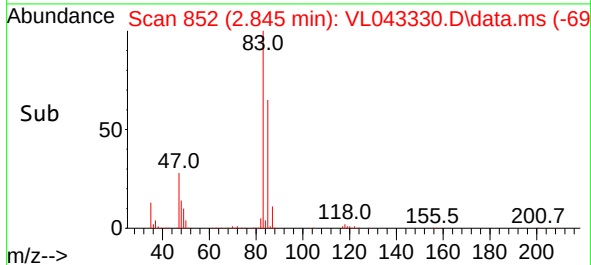
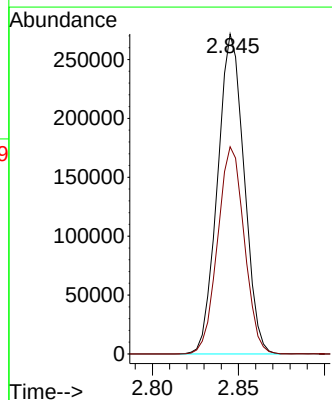
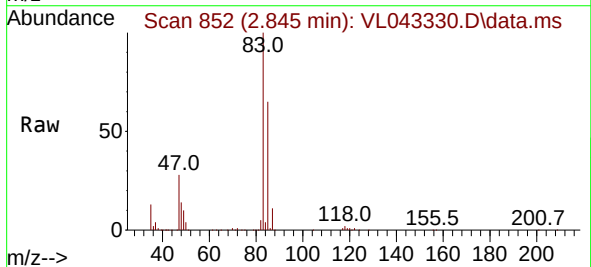
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

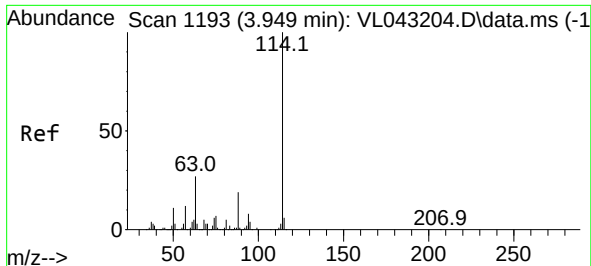
Tgt Ion: 43 Resp: 6355
Ion Ratio Lower Upper
43 100
58 27.1 20.7 31.1



#29
Chloroform
Concen: 11.567 ppbv
RT: 2.845 min Scan# 852
Delta R.T. 0.003 min
Lab File: VL043330.D
Acq: 09 Dec 2025 01:11

Tgt Ion: 83 Resp: 292025
Ion Ratio Lower Upper
83 100
85 64.7 50.5 75.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. 0.003 min

Lab File: VL043330.D

Acq: 09 Dec 2025 01:11

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

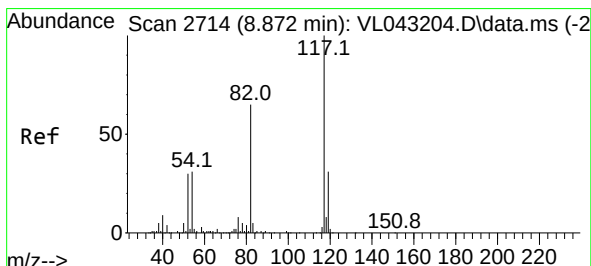
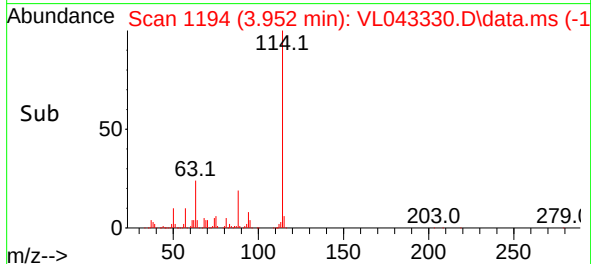
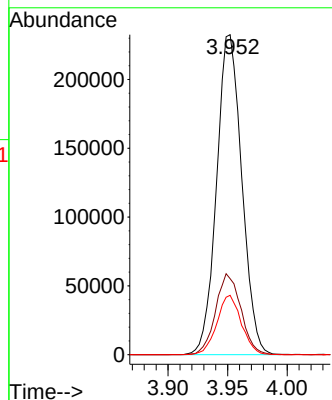
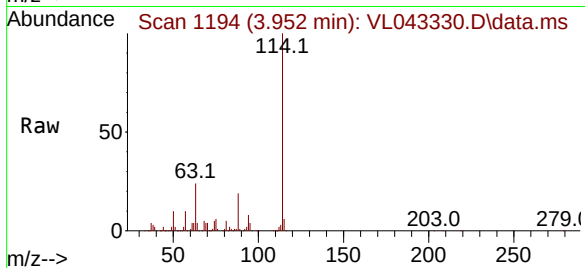
Tgt Ion:114 Resp: 342039

Ion Ratio Lower Upper

114 100

63 25.4 21.0 31.6

88 18.0 14.9 22.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.868 min Scan# 2713

Delta R.T. -0.004 min

Lab File: VL043330.D

Acq: 09 Dec 2025 01:11

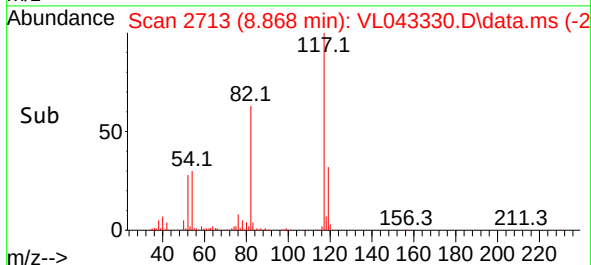
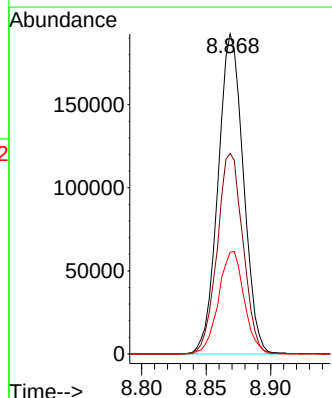
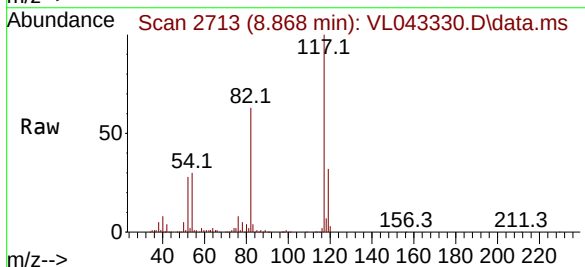
Tgt Ion:117 Resp: 262872

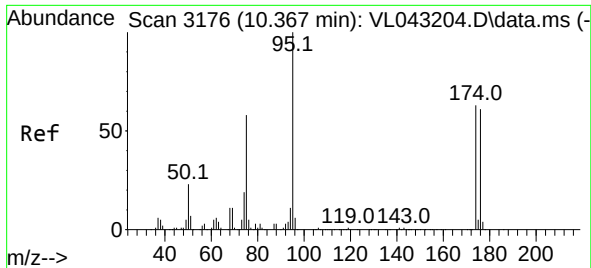
Ion Ratio Lower Upper

117 100

82 63.8 56.1 84.1

119 32.4 25.0 37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.828 ppbv
 RT: 10.367 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VL043330.D
 Acq: 09 Dec 2025 01:11

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Tgt Ion: 95 Resp: 189370
 Ion Ratio Lower Upper
 95 100
 174 68.4 50.2 75.2
 175 4.8 4.1 6.1

