

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043309.D
 Acq On : 08 Dec 2025 11:44
 Operator : SY/MD
 Sample : QC120425 CAN 10606
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC120325 CAN 10606

Quant Time: Dec 09 00:10:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.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

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

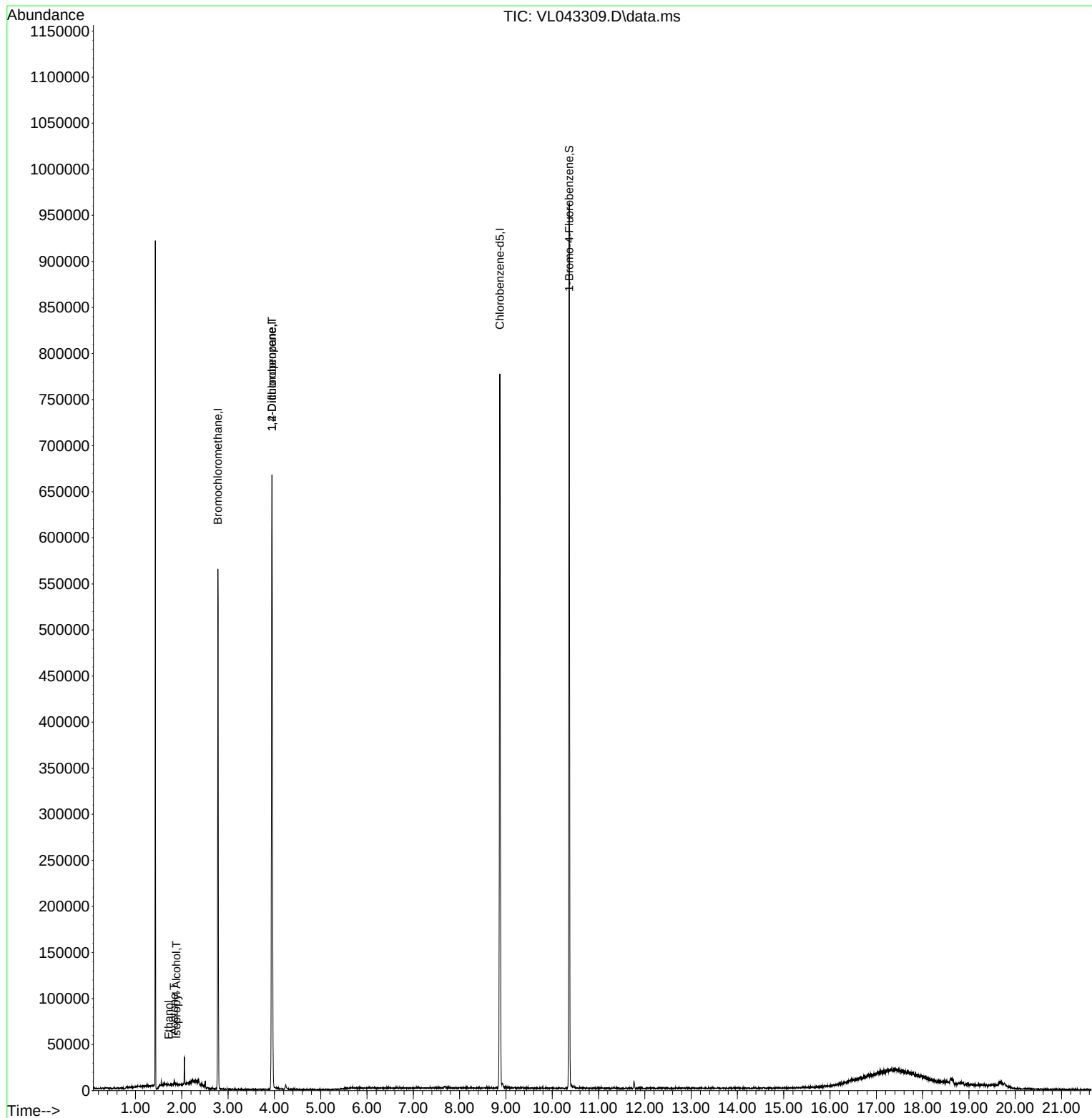
Internal Standards						
1) Bromochloromethane	2.780	49	146536	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	379911	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	306129	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	224297	9.996	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%
Target Compounds						
					Qvalue	
13) Ethanol	1.719	45	190	0.063	ppbv #	38
15) Acetone	1.832	43	2719	0.134	ppbv #	60
19) Isopropyl Alcohol	1.884	45	388	0.034	ppbv #	60
20) Methylene Chloride	2.055	84	4481	Below Cal		88
39) 1,2-Dichloropropane	3.949	63	95330	7.159	ppbv #	26

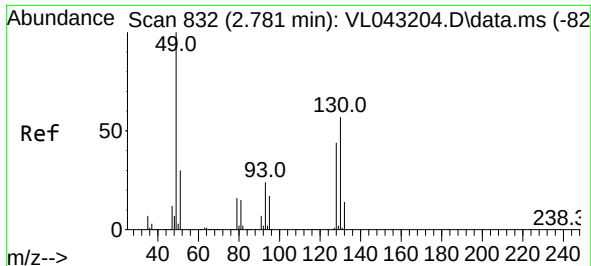
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 09 00:10:20 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

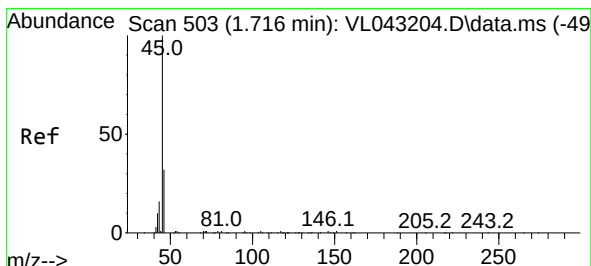
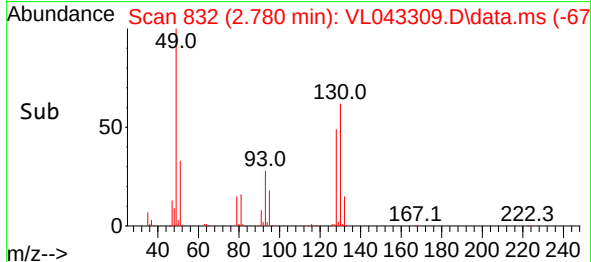
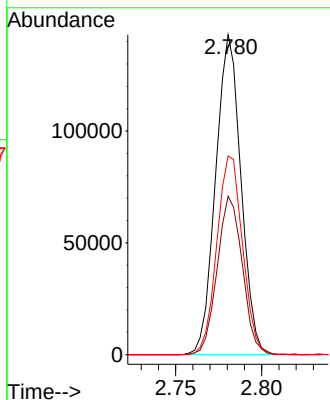
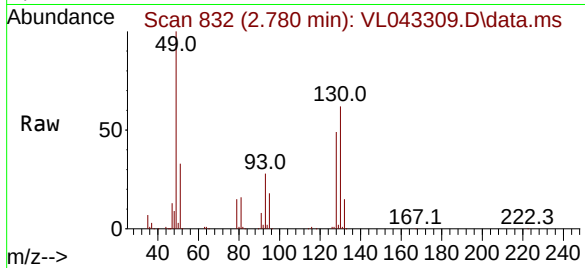




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.001 min
Lab File: VL043309.D
Acq: 08 Dec 2025 11:44

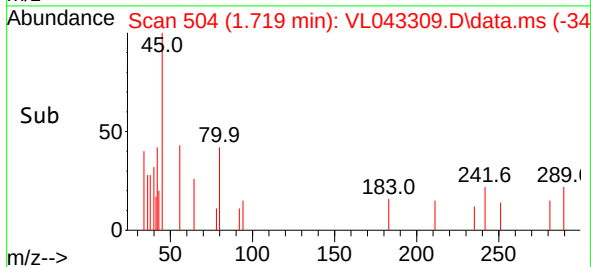
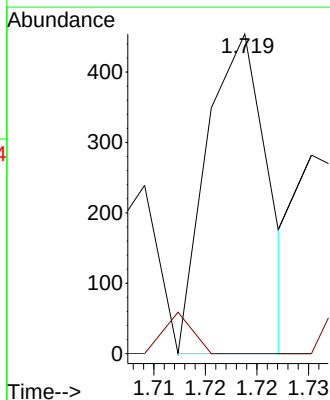
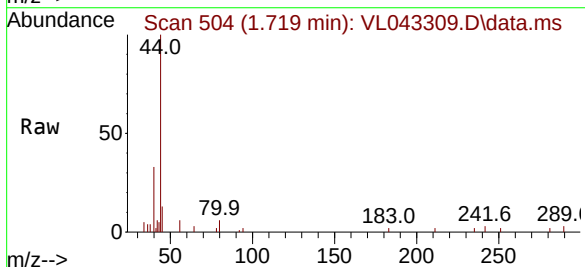
Instrument :
MSVOA_L
ClientSampleId :
QC120325 CAN 10606

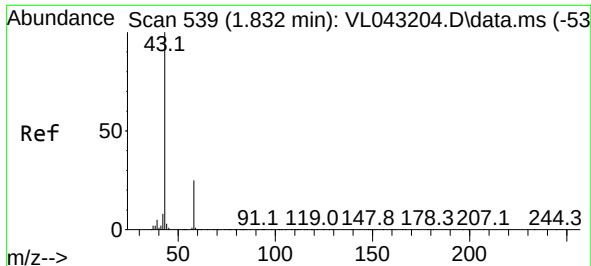
Tgt Ion: 49 Resp: 146536
Ion Ratio Lower Upper
49 100
128 49.0 23.0 69.0
130 63.1 29.9 89.7



#13
Ethanol
Concen: 0.063 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043309.D
Acq: 08 Dec 2025 11:44

Tgt Ion: 45 Resp: 190
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8#

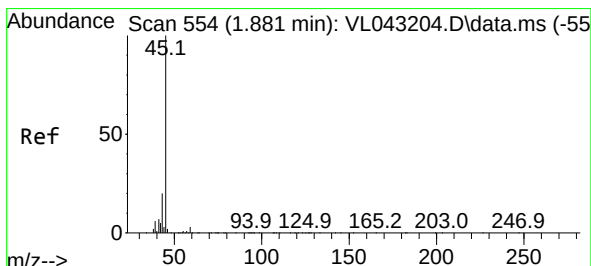
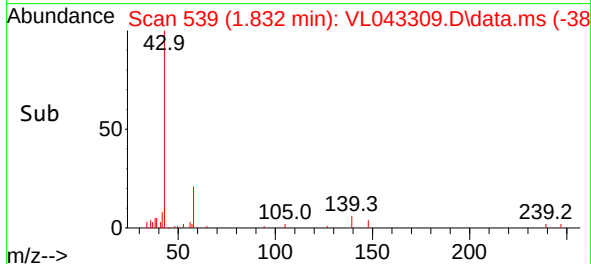
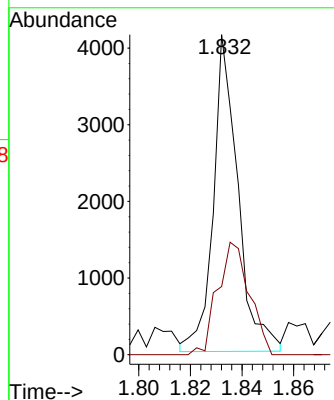
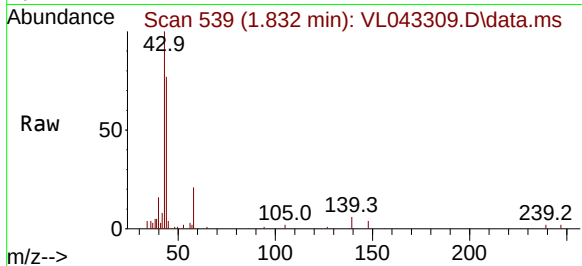




#15
Acetone
Concen: 0.134 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043309.D
Acq: 08 Dec 2025 11:44

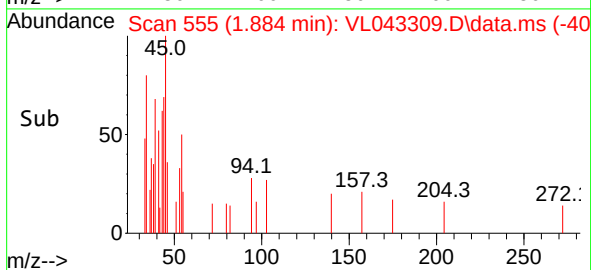
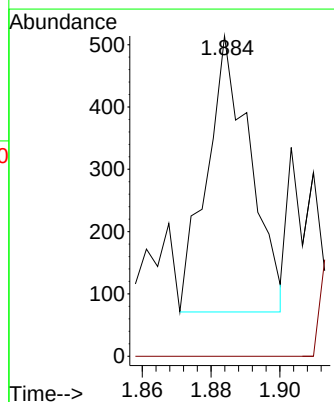
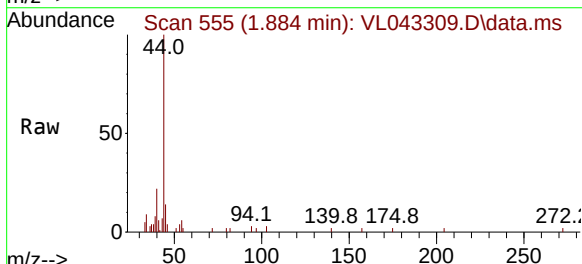
Instrument :
MSVOA_L
ClientSampleId :
QC120325 CAN 10606

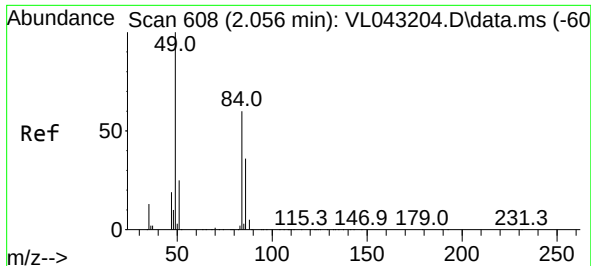
Tgt Ion: 43 Resp: 2719
Ion Ratio Lower Upper
43 100
58 46.1 20.7 31.1#



#19
Isopropyl Alcohol
Concen: 0.034 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.003 min
Lab File: VL043309.D
Acq: 08 Dec 2025 11:44

Tgt Ion: 45 Resp: 388
Ion Ratio Lower Upper
45 100
58 14.9 31.3 46.9#

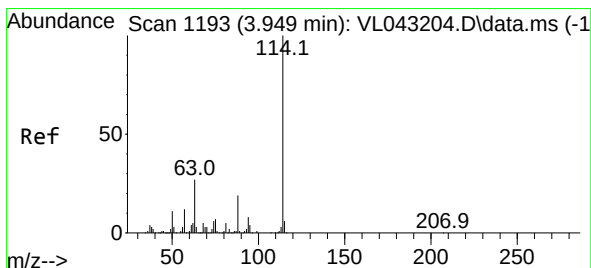
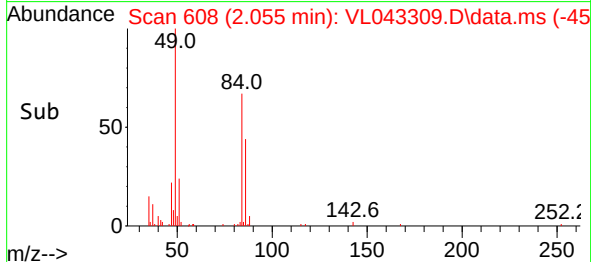
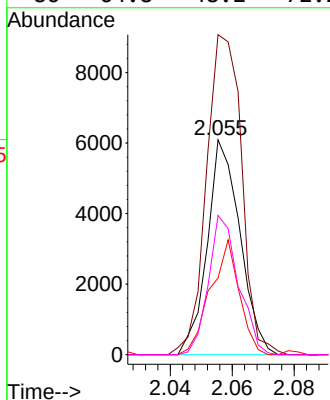
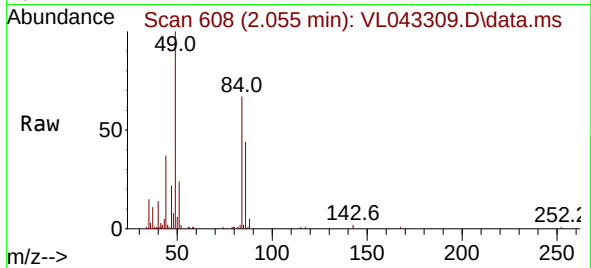




#20
Methylene Chloride
Concen: Below Cal
RT: 2.055 min Scan# 608
Delta R.T. -0.001 min
Lab File: VL043309.D
Acq: 08 Dec 2025 11:44

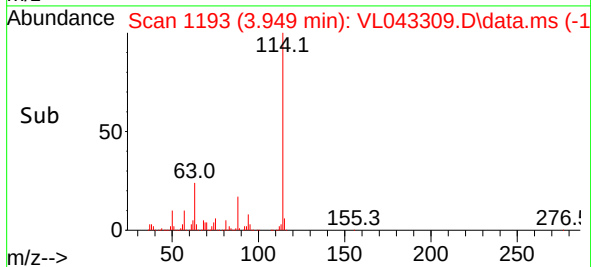
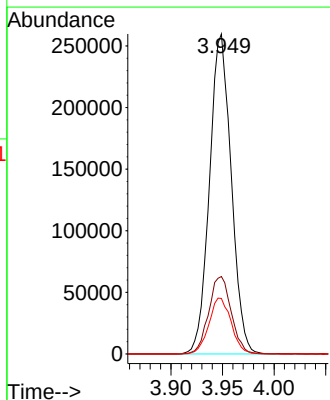
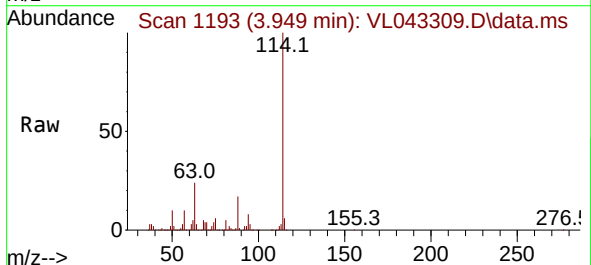
Instrument :
MSVOA_L
ClientSampleId :
QC120325 CAN 10606

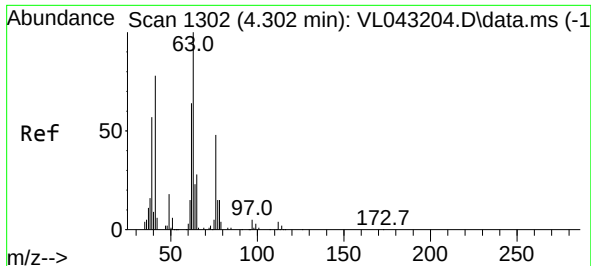
Tgt Ion: 84	Resp: 4481
Ion Ratio	Lower Upper
84 100	
49 147.2	132.9 199.3
51 35.8	34.8 52.2
86 64.8	48.2 72.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.000 min
Lab File: VL043309.D
Acq: 08 Dec 2025 11:44

Tgt	Ion:114	Resp:	379911
Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.0	31.6
88	17.9	14.9	22.3





#39

1,2-Dichloropropane

Concen: 7.159 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.353 min

Lab File: VL043309.D

Acq: 08 Dec 2025 11:44

Instrument :

MSVOA_L

ClientSampleId :

QC120325 CAN 10606

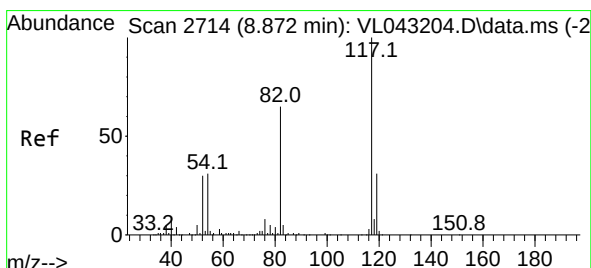
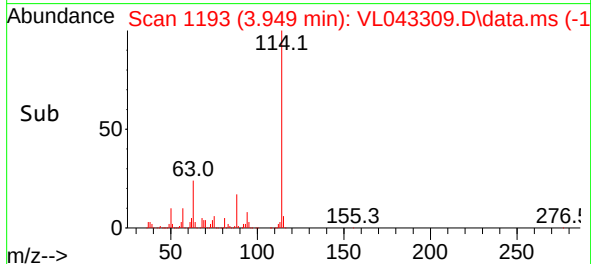
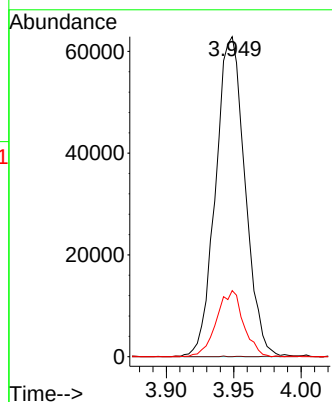
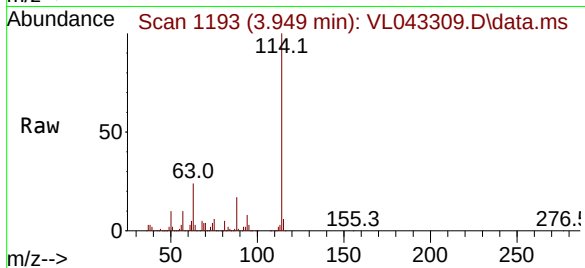
Tgt Ion: 63 Resp: 95330

Ion Ratio Lower Upper

63 100

41 0.0 62.6 93.8#

62 20.6 51.0 76.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.869 min Scan# 2713

Delta R.T. -0.004 min

Lab File: VL043309.D

Acq: 08 Dec 2025 11:44

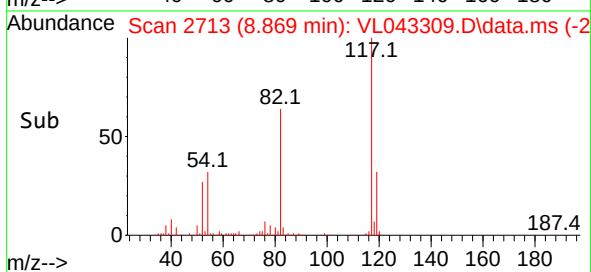
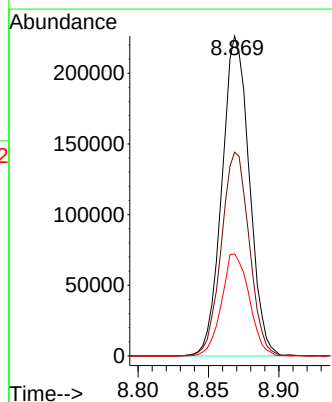
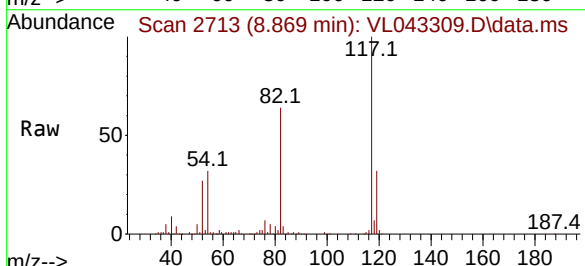
Tgt Ion: 117 Resp: 306129

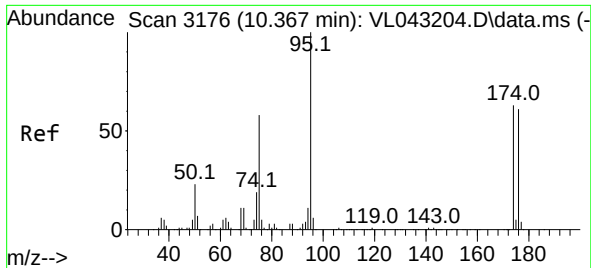
Ion Ratio Lower Upper

117 100

82 65.1 56.1 84.1

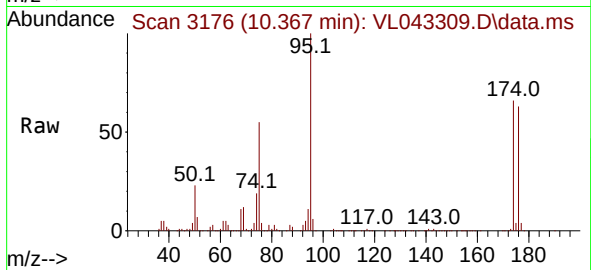
119 32.3 25.0 37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.996 ppbv
 RT: 10.367 min Scan# 31
 Delta R.T. -0.000 min
 Lab File: VL043309.D
 Acq: 08 Dec 2025 11:44

Instrument :
 MSVOA_L
 ClientSampleId :
 QC120325 CAN 10606



Tgt Ion:	95	Resp:	224297
Ion	Ratio	Lower	Upper
95	100		
174	67.5	50.2	75.2
175	4.8	4.1	6.1

