

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043306.D
 Acq On : 08 Dec 2025 09:36
 Operator : SY/MD
 Sample : VL1208ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABL01

Quant Time: Dec 09 00:08:55 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)

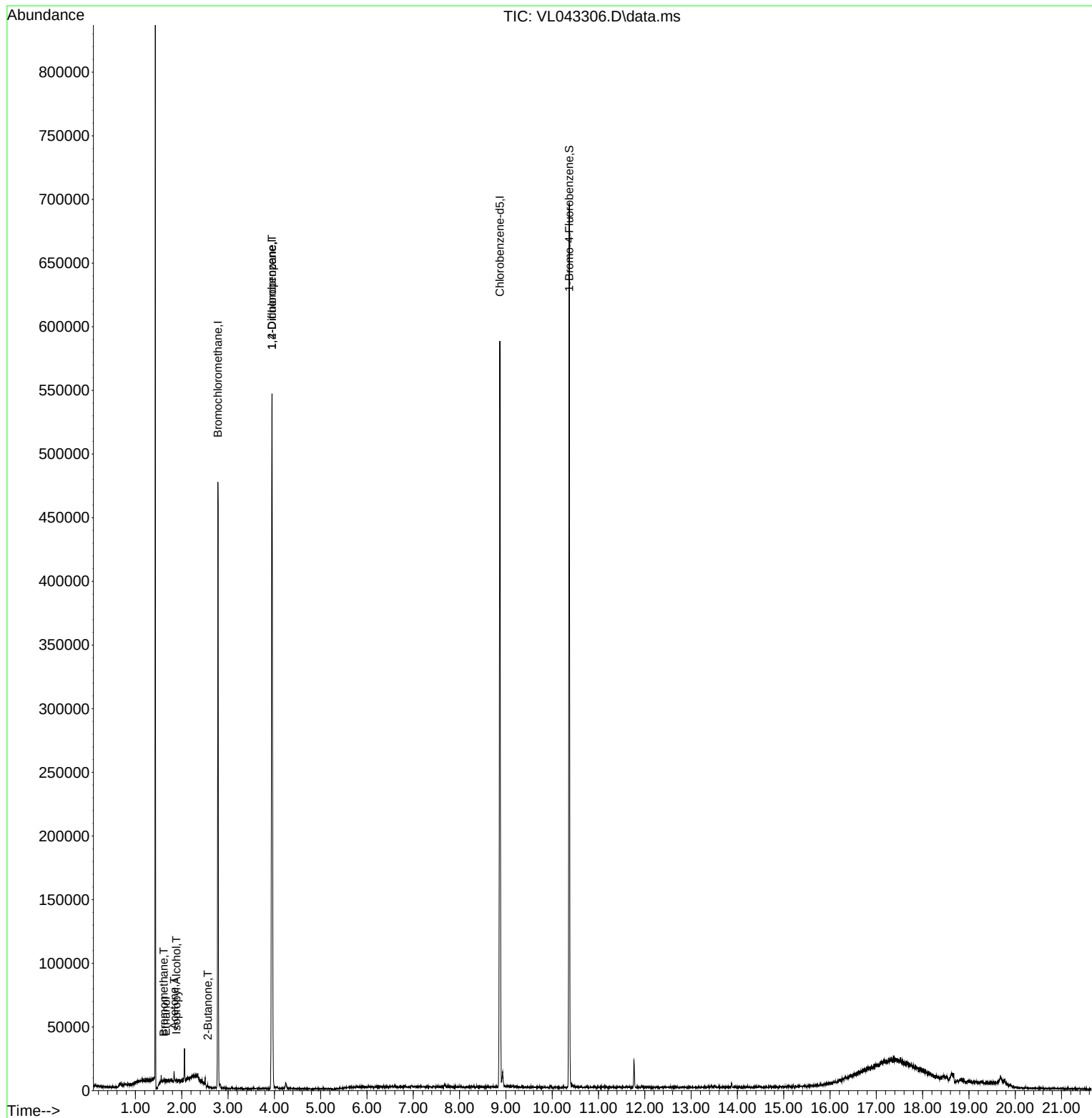
Internal Standards						
1) Bromochloromethane	2.781	49	125653	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	312886	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	239807	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.368	95	159096	9.051	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.500%
Target Compounds						
					Qvalue	
6) Bromomethane	1.612	94	189	0.054	ppbv #	4
13) Ethanol	1.658	45	365	0.140	ppbv	75
15) Acetone	1.836	43	3413	0.196	ppbv #	67
19) Isopropyl Alcohol	1.884	45	441	0.045	ppbv #	36
20) Methylene Chloride	2.059	84	3669	Below Cal		92
34) 2-Butanone	2.561	43	1295	0.059	ppbv #	73
39) 1,2-Dichloropropane	3.949	63	78579	7.165	ppbv #	25

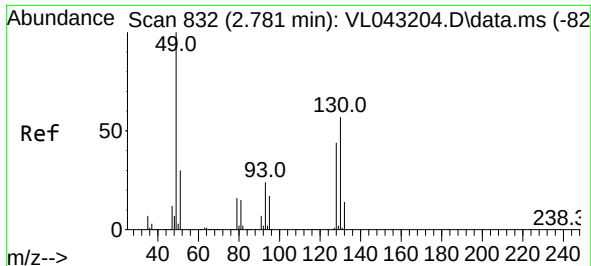
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 09 00:08:55 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

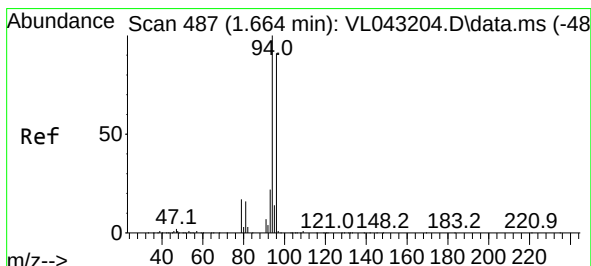
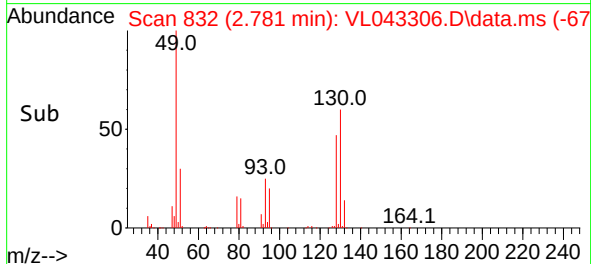
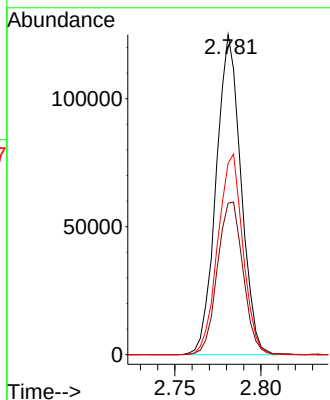
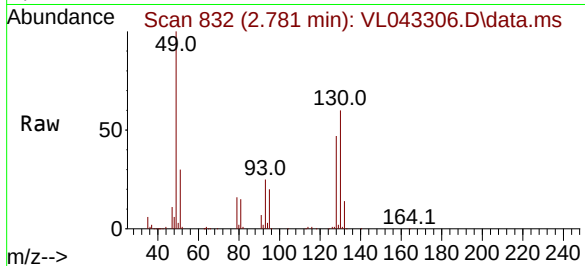




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

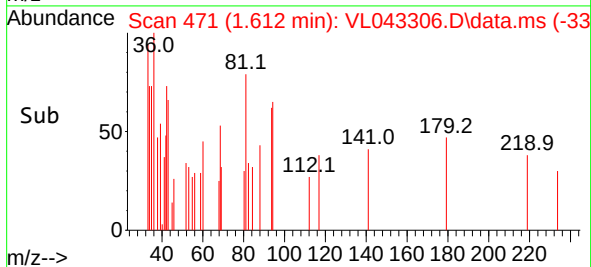
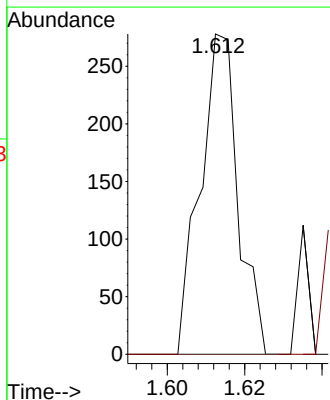
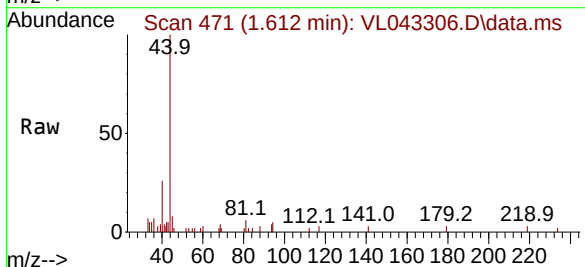
Instrument :
MSVOA_L
ClientSampleId :
VL1208ABL01

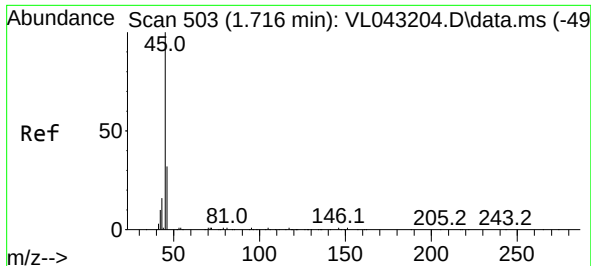
Tgt Ion: 49 Resp: 125653
Ion Ratio Lower Upper
49 100
128 49.3 23.0 69.0
130 63.3 29.9 89.7



#6
Bromomethane
Concen: 0.054 ppbv
RT: 1.612 min Scan# 471
Delta R.T. -0.052 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

Tgt Ion: 94 Resp: 189
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#

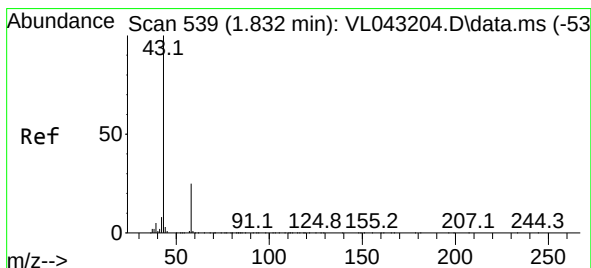
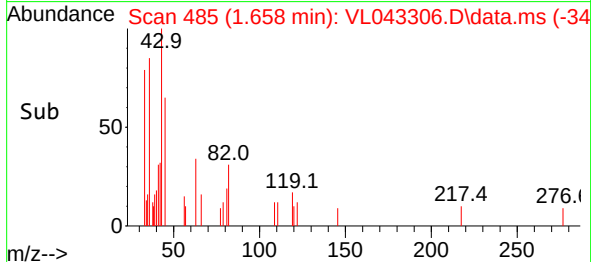
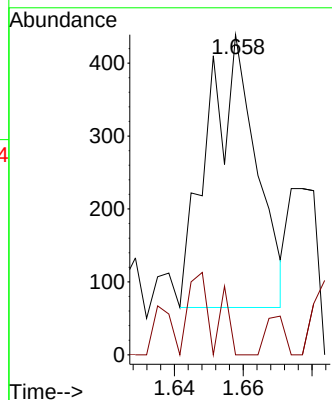
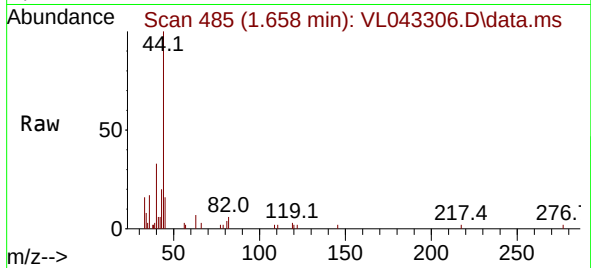




#13
Ethanol
Concen: 0.140 ppbv
RT: 1.658 min Scan# 41
Delta R.T. -0.058 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

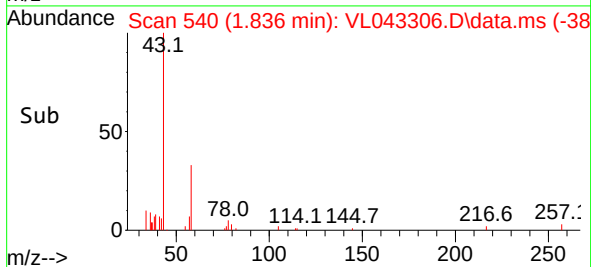
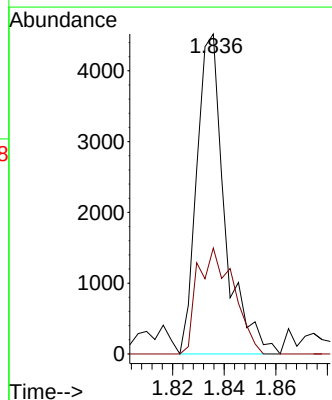
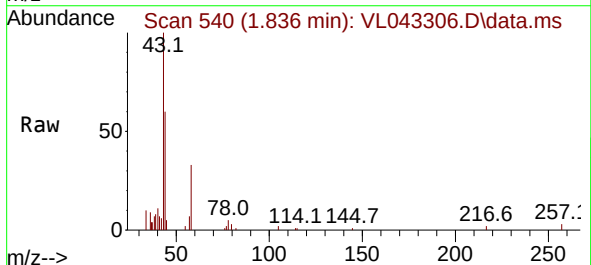
Instrument :
MSVOA_1
ClientSampleId :
VL1208ABL01

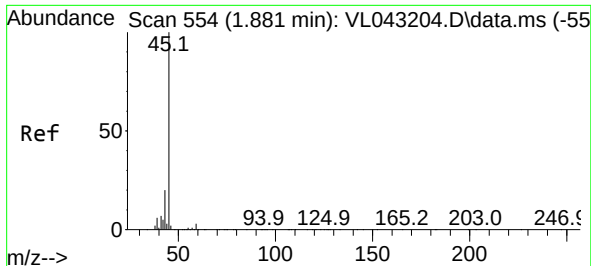
Tgt Ion: 45 Resp: 365
Ion Ratio Lower Upper
45 100
46 52.6 15.0 59.8



#15
Acetone
Concen: 0.196 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

Tgt Ion: 43 Resp: 3413
Ion Ratio Lower Upper
43 100
58 42.6 20.7 31.1#

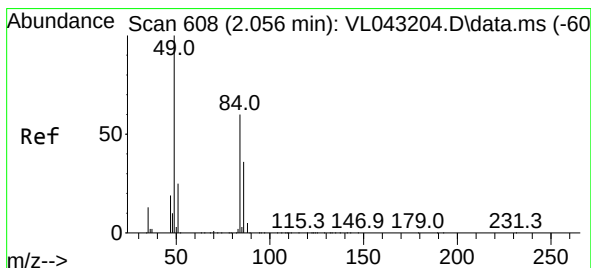
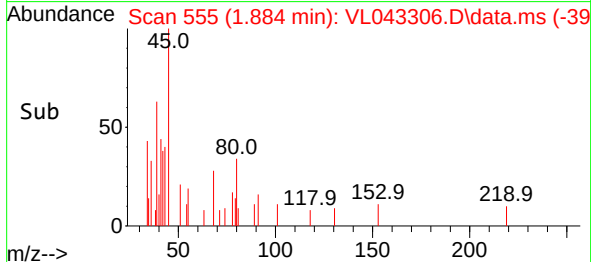
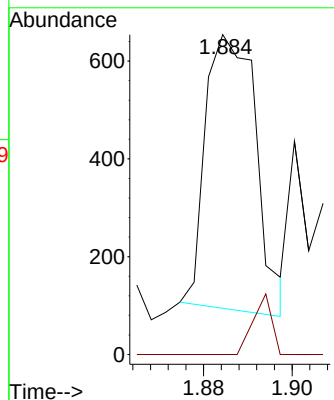
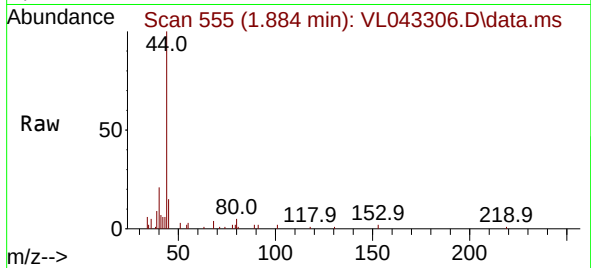




#19
Isopropyl Alcohol
Concen: 0.045 ppbv
RT: 1.884 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

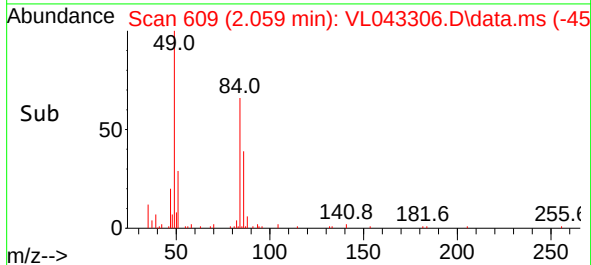
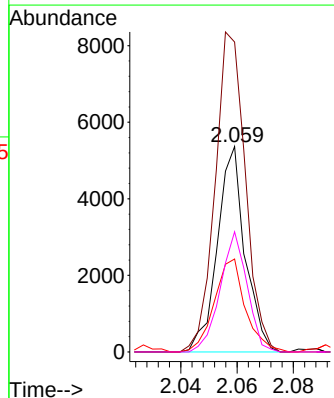
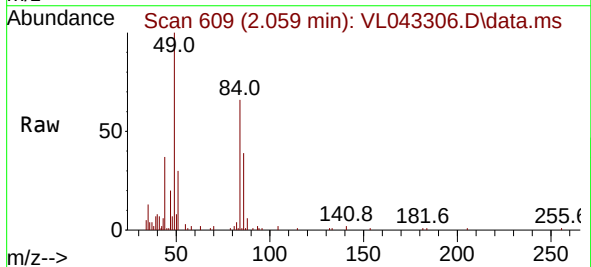
Instrument :
MSVOA_1
ClientSampleId :
VL1208ABL01

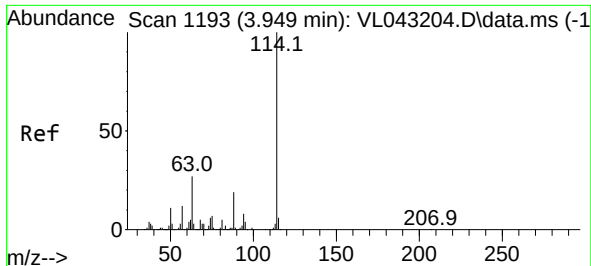
Tgt Ion: 45 Resp: 441
Ion Ratio Lower Upper
45 100
58 0.0 31.3 46.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

Tgt Ion: 84 Resp: 3669
Ion Ratio Lower Upper
84 100
49 150.8 132.9 199.3
51 45.2 34.8 52.2
86 58.5 48.2 72.2

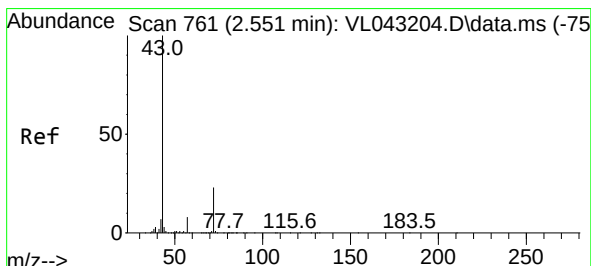
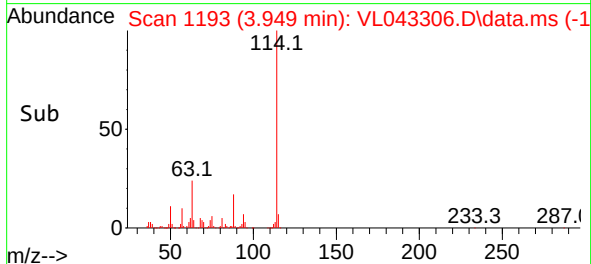
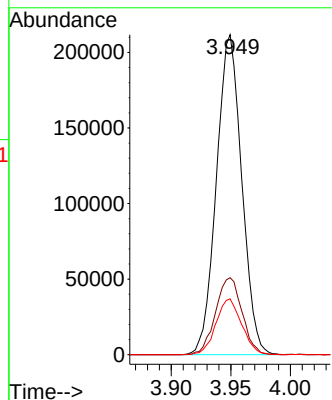
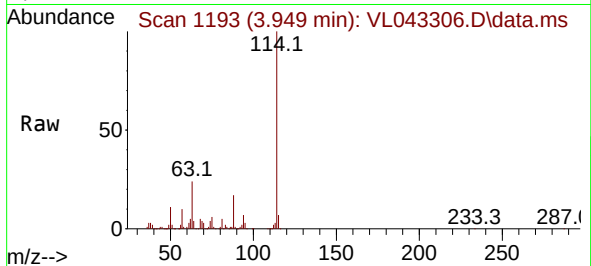




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

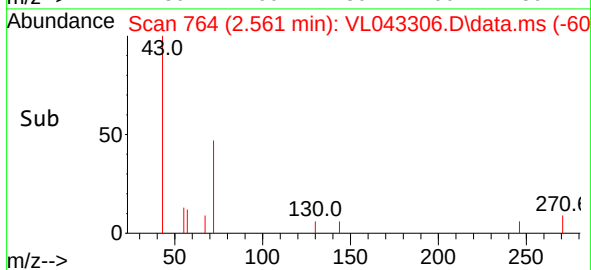
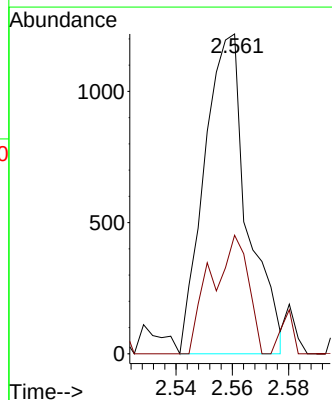
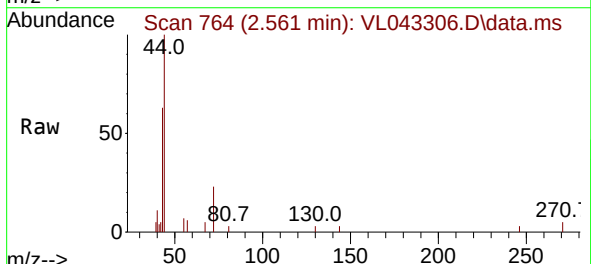
Instrument :
MSVOA_1
ClientSampleId :
VL1208ABL01

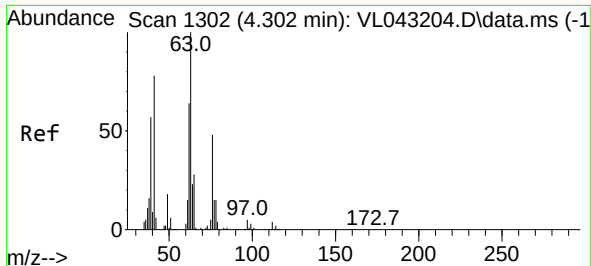
Tgt Ion:114 Resp: 312886
Ion Ratio Lower Upper
114 100
63 25.2 21.0 31.6
88 17.7 14.9 22.3



#34
2-Butanone
Concen: 0.059 ppbv
RT: 2.561 min Scan# 764
Delta R.T. 0.010 min
Lab File: VL043306.D
Acq: 08 Dec 2025 09:36

Tgt Ion: 43 Resp: 1295
Ion Ratio Lower Upper
43 100
72 35.8 18.1 27.1#





#39

1,2-Dichloropropane

Concen: 7.165 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.353 min

Lab File: VL043306.D

Acq: 08 Dec 2025 09:36

Instrument :

MSVOA_1

ClientSampleId :

VL1208ABL01

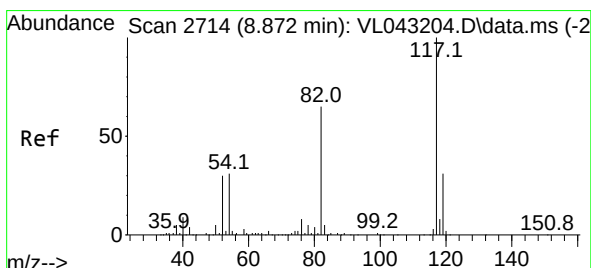
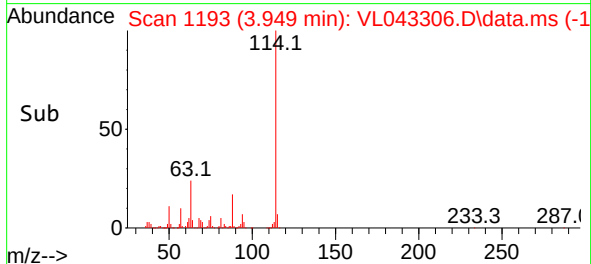
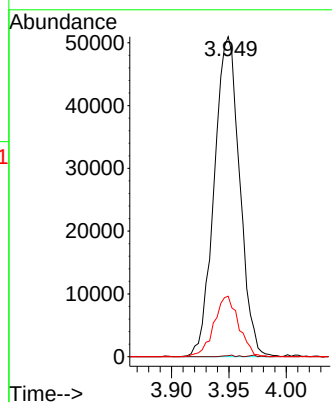
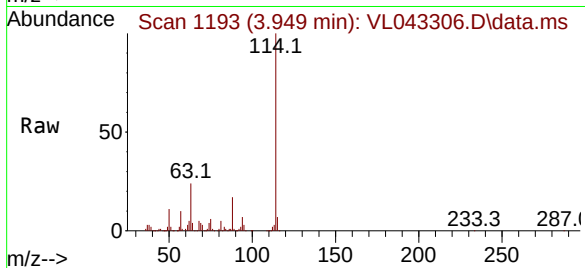
Tgt Ion: 63 Resp: 78579

Ion Ratio Lower Upper

63 100

41 0.3 62.6 93.8#

62 18.9 51.0 76.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.869 min Scan# 2713

Delta R.T. -0.003 min

Lab File: VL043306.D

Acq: 08 Dec 2025 09:36

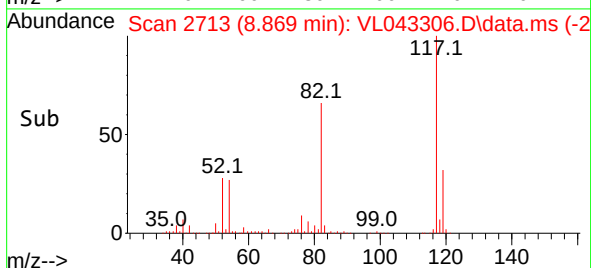
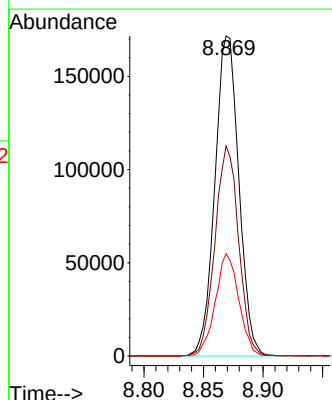
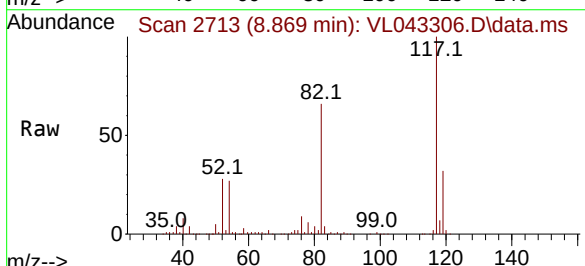
Tgt Ion: 117 Resp: 239807

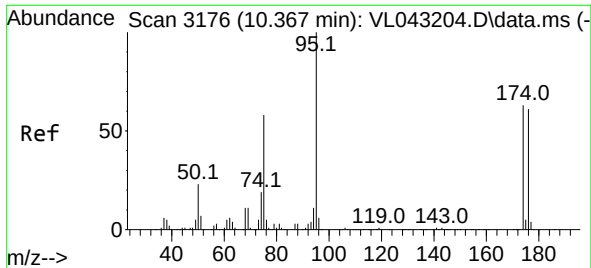
Ion Ratio Lower Upper

117 100

82 64.8 56.1 84.1

119 31.5 25.0 37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.051 ppbv
 RT: 10.368 min Scan# 31
 Delta R.T. 0.000 min
 Lab File: VL043306.D
 Acq: 08 Dec 2025 09:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1208ABL01

Tgt Ion: 95 Resp: 159096
 Ion Ratio Lower Upper
 95 100
 174 68.7 50.2 75.2
 175 5.0 4.1 6.1

