

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101525\
 Data File : VL043115.D
 Acq On : 15 Oct 2025 09:34
 Operator : SY/MD
 Sample : VL1015ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 16 01:14:32 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)

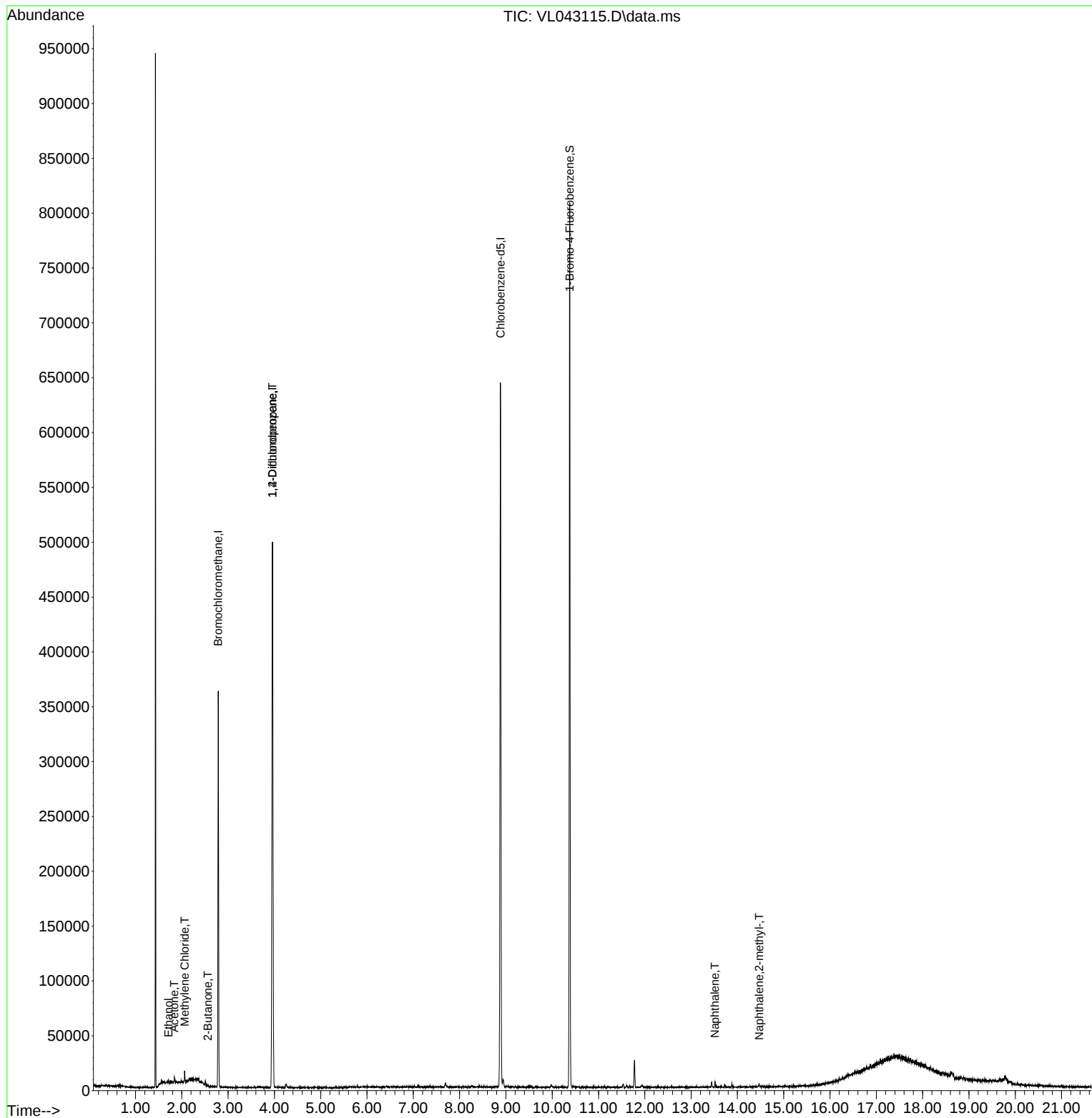
Internal Standards						
1) Bromochloromethane	2.787	49	94939	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	308682	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	273385	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	214813	10.109	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%
Target Compounds						
					Qvalue	
13) Ethanol	1.713	45	221	0.092	ppbv #	38
15) Acetone	1.836	43	2365	0.185	ppbv #	84
20) Methylene Chloride	2.062	84	1325	0.262	ppbv #	88
34) 2-Butanone	2.564	43	1127	0.054	ppbv #	79
39) 1,2-Dichloropropane	3.959	63	75549	7.108	ppbv #	25
79) Naphthalene	13.513	128	2510	0.057	ppbv #	91
80) Naphthalene,2-methyl-	14.471	142	973	0.085	ppbv #	75

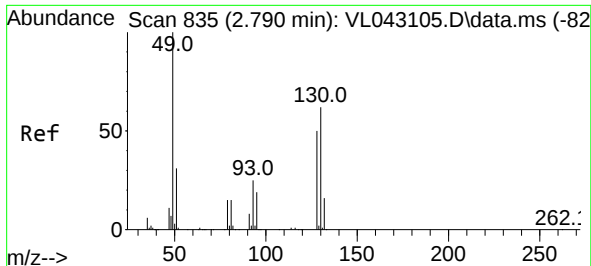
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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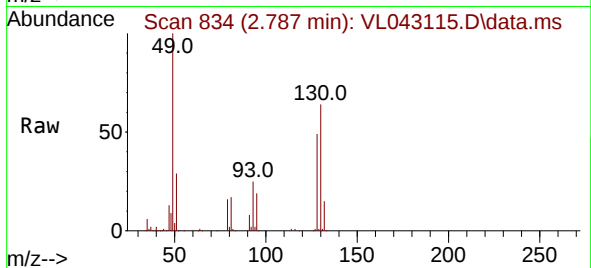
Quant Time: Oct 16 01:14:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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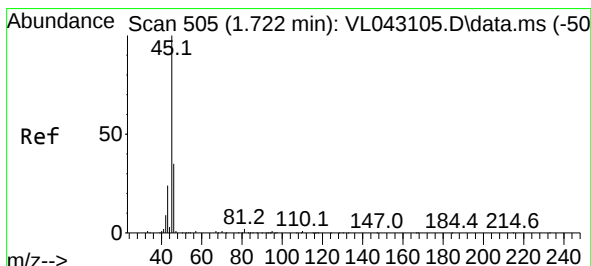
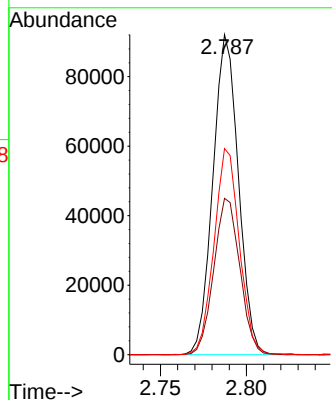
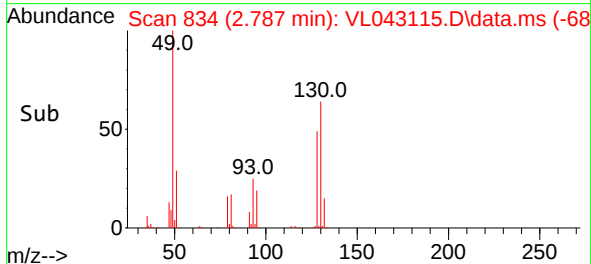


#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :

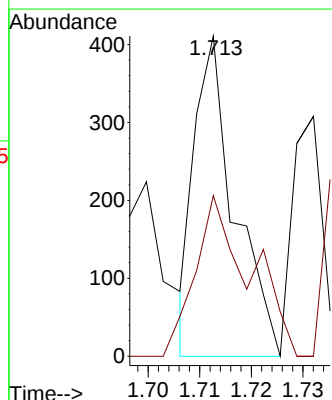
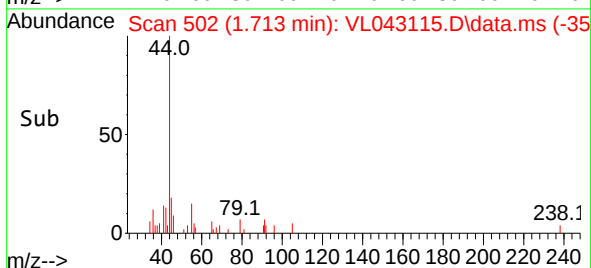
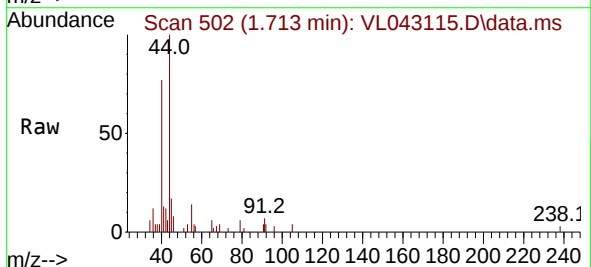


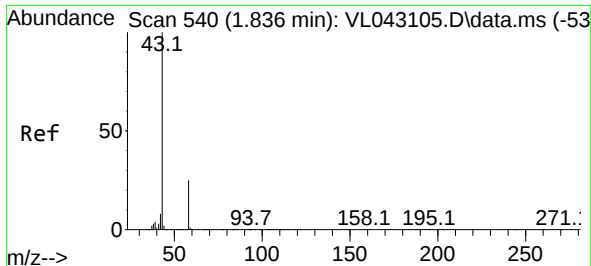
Tgt Ion: 49 Resp: 94939
Ion Ratio Lower Upper
49 100
128 49.9 24.4 73.4
130 64.1 31.0 93.0



#13
Ethanol
Concen: 0.092 ppbv
RT: 1.713 min Scan# 502
Delta R.T. -0.010 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Tgt Ion: 45 Resp: 221
Ion Ratio Lower Upper
45 100
46 0.0 14.7 58.9#

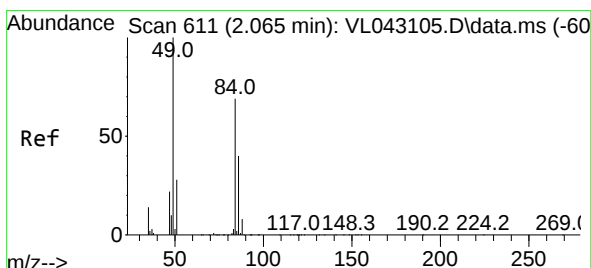
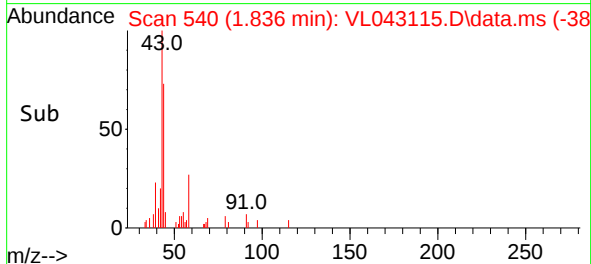
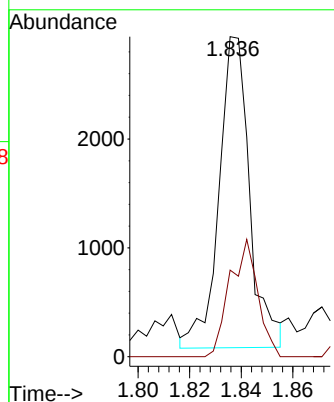
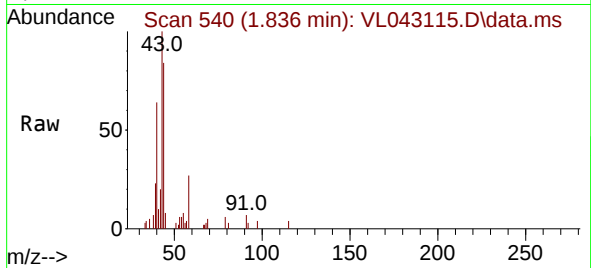




#15
Acetone
Concen: 0.185 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

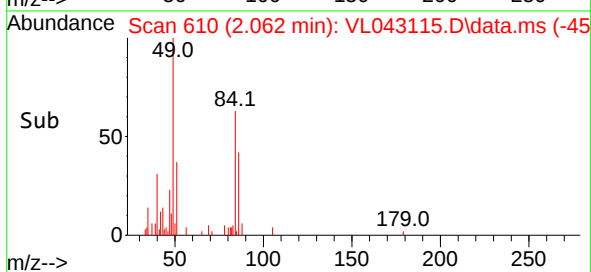
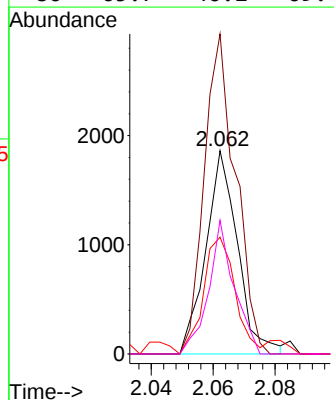
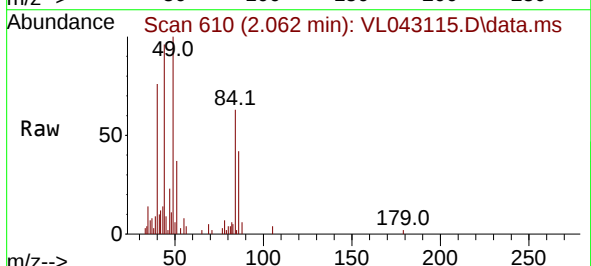
Instrument :
MSVOA_L
ClientSampleId :

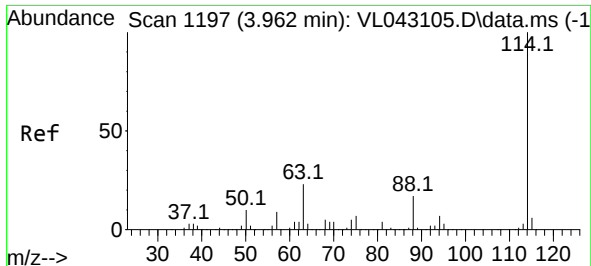
Tgt Ion: 43 Resp: 2365
Ion Ratio Lower Upper
43 100
58 34.2 20.8 31.2#



#20
Methylene Chloride
Concen: 0.262 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Tgt Ion: 84 Resp: 1325
Ion Ratio Lower Upper
84 100
49 157.5 116.6 175.0
51 57.5 34.8 52.2#
86 65.7 46.2 69.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.003 min

Lab File: VL043115.D

Acq: 15 Oct 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

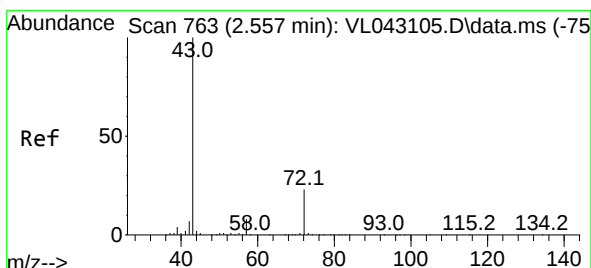
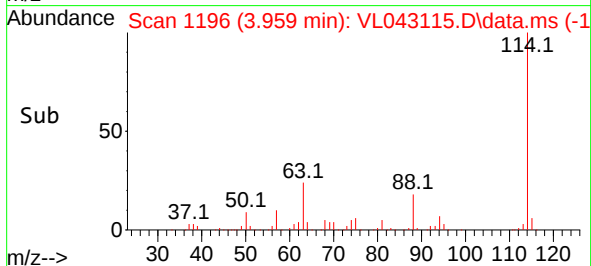
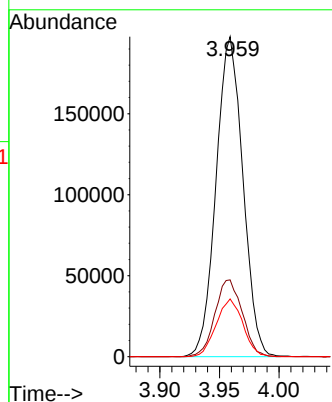
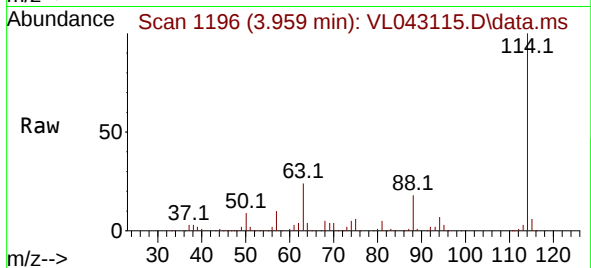
Tgt Ion:114 Resp: 308682

Ion Ratio Lower Upper

114 100

63 24.5 19.3 28.9

88 17.9 13.9 20.9



#34

2-Butanone

Concen: 0.054 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.006 min

Lab File: VL043115.D

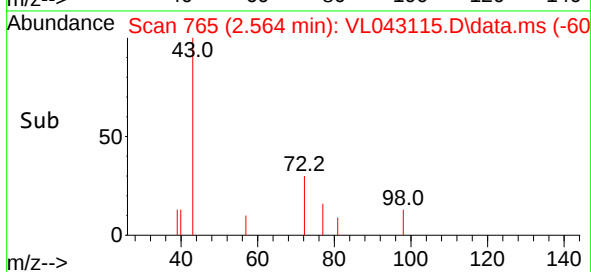
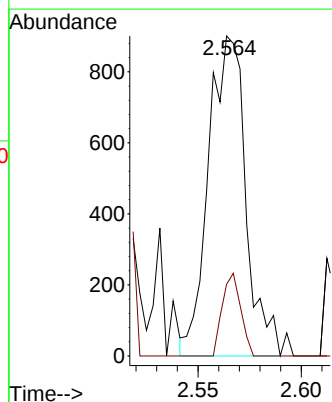
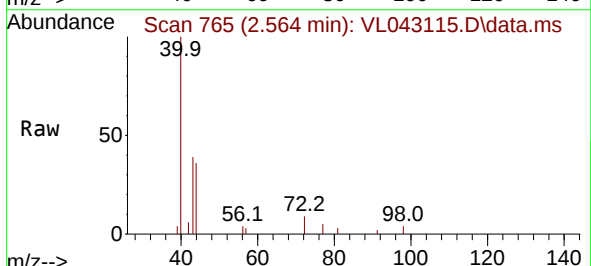
Acq: 15 Oct 2025 09:34

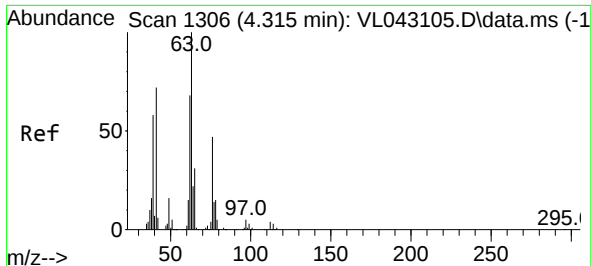
Tgt Ion: 43 Resp: 1127

Ion Ratio Lower Upper

43 100

72 12.8 18.4 27.6#





#39

1,2-Dichloropropane

Concen: 7.108 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.356 min

Lab File: VL043115.D

Acq: 15 Oct 2025 09:34

Instrument :

MSVOA_L

ClientSampleId :

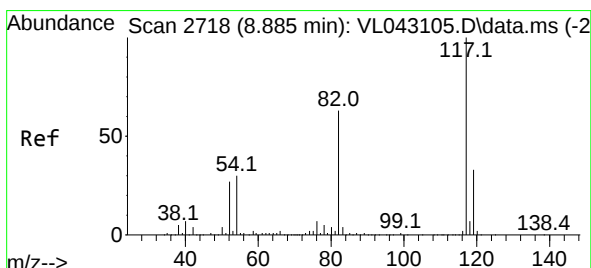
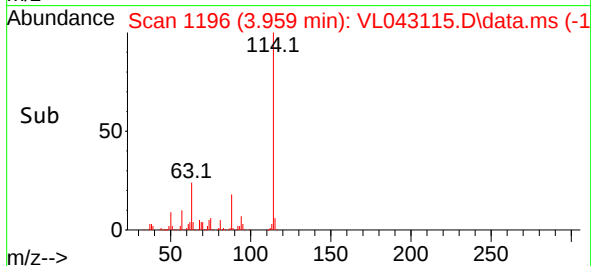
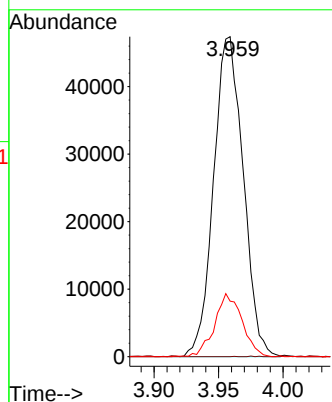
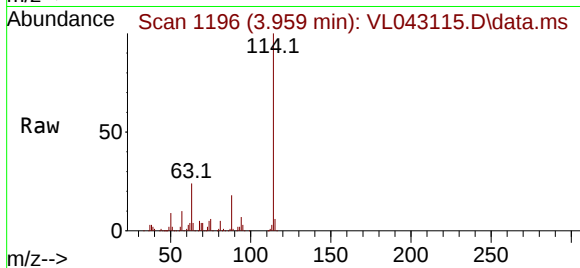
Tgt Ion: 63 Resp: 75549

Ion Ratio Lower Upper

63 100

41 0.0 58.0 87.0#

62 17.2 54.7 82.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. -0.003 min

Lab File: VL043115.D

Acq: 15 Oct 2025 09:34

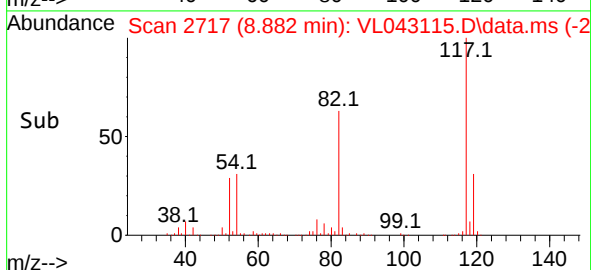
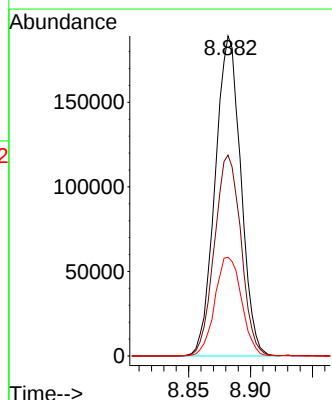
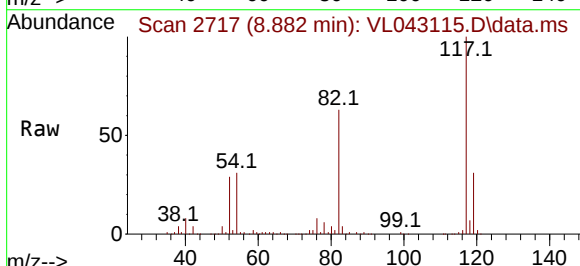
Tgt Ion: 117 Resp: 273385

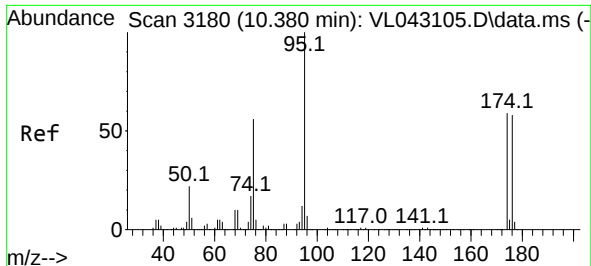
Ion Ratio Lower Upper

117 100

82 64.9 53.8 80.8

119 32.2 25.4 38.0

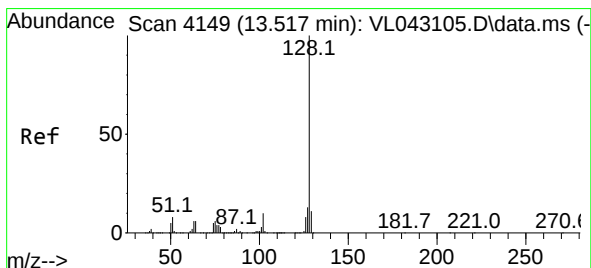
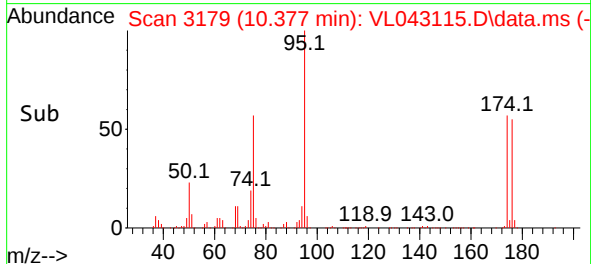
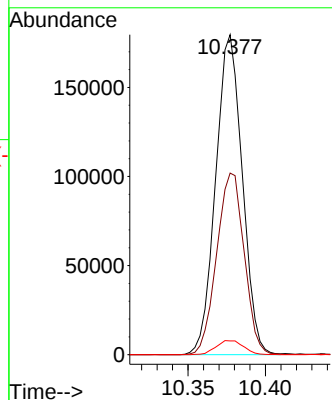
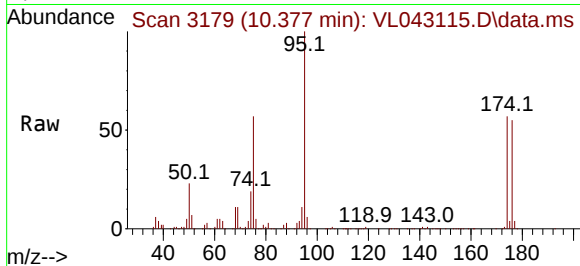




#68
1-Bromo-4-Fluorobenzene
Concen: 10.109 ppbv
RT: 10.377 min Scan# 3180
Delta R.T. -0.003 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

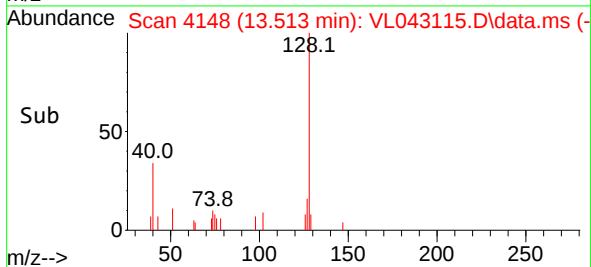
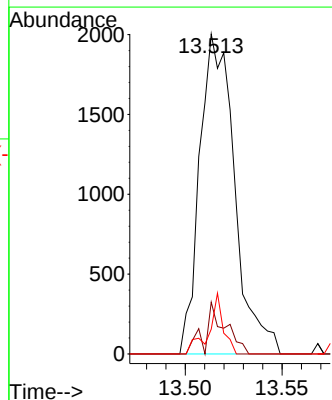
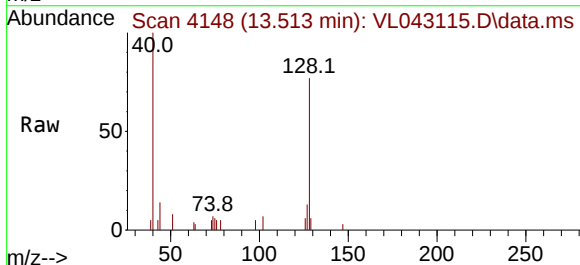
Instrument :
MSVOA_L
ClientSampleId :

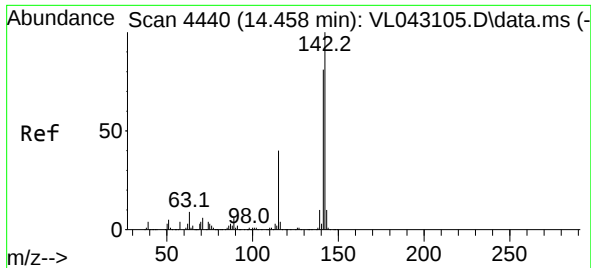
Tgt Ion: 95 Resp: 214813
Ion Ratio Lower Upper
95 100
174 58.7 48.3 72.5
175 4.6 3.8 5.8



#79
Naphthalene
Concen: 0.057 ppbv
RT: 13.513 min Scan# 4148
Delta R.T. -0.003 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

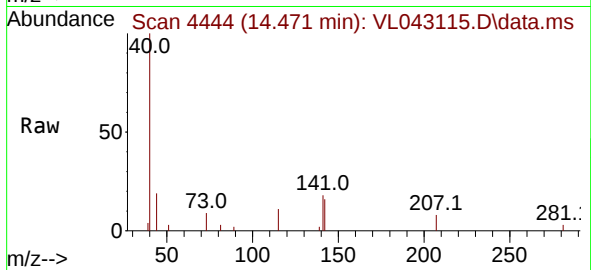
Tgt Ion: 128 Resp: 2510
Ion Ratio Lower Upper
128 100
127 16.2 10.5 15.7#
129 7.7 9.1 13.7#





#80
Naphthalene, 2-methyl-
Concen: 0.085 ppbv
RT: 14.471 min Scan# 44
Delta R.T. 0.013 min
Lab File: VL043115.D
Acq: 15 Oct 2025 09:34

Instrument :
MSVOA_L
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
142	100		
141	102.6	64.6	97.0#
115	23.0	30.2	45.4#

