

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL101725\
 Data File : VL043134.D
 Acq On : 17 Oct 2025 10:21
 Operator : SY/MD
 Sample : QC101625 CAN 10604
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC101625 CAN 10604

Quant Time: Oct 18 04:33:46 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)

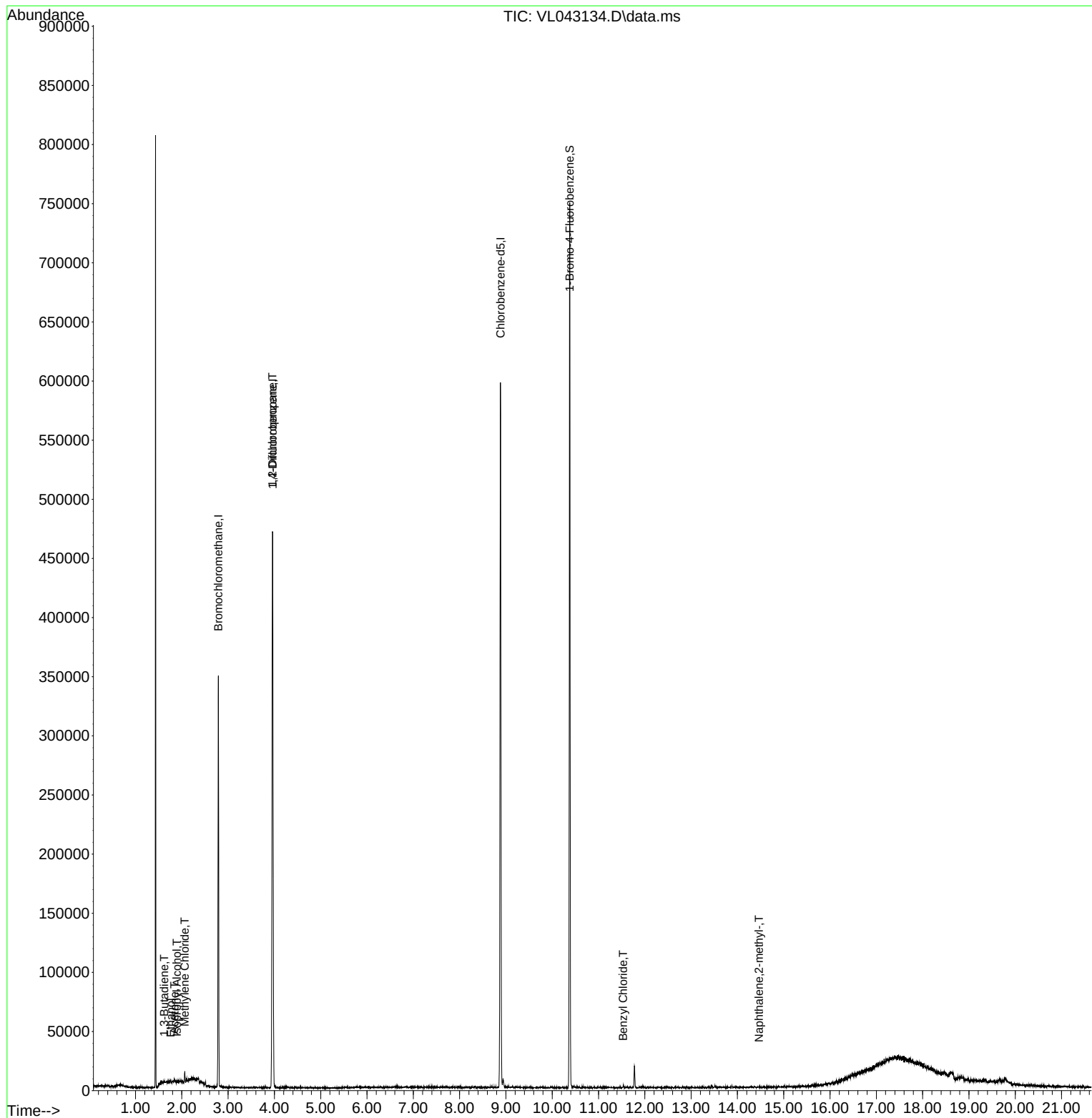
Internal Standards						
1) Bromochloromethane	2.790	49	88837	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	282277	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	241071	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	195134	10.414	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.100%
Target Compounds						
					Qvalue	
13) Ethanol	1.758	45	137	0.061	ppbv #	38
15) Acetone	1.839	43	1378	0.115	ppbv #	65
16) 1,3-Butadiene	1.619	39	197	0.035	ppbv #	13
19) Isopropyl Alcohol	1.890	45	239	0.032	ppbv #	36
20) Methylene Chloride	2.065	84	1216	0.257	ppbv	91
39) 1,2-Dichloropropane	3.959	63	72960	7.507	ppbv #	28
66) Benzyl Chloride	11.532	91	183	0.032	ppbv #	65
80) Naphthalene,2-methyl-	14.468	142	335	0.033	ppbv #	56

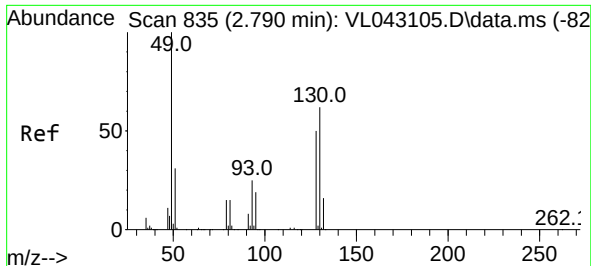
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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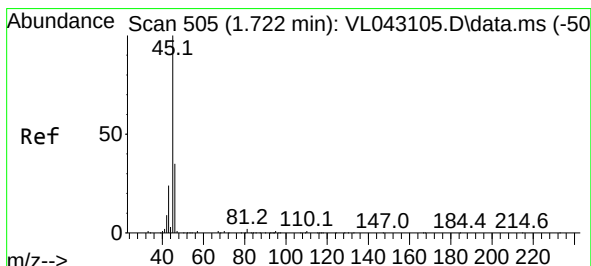
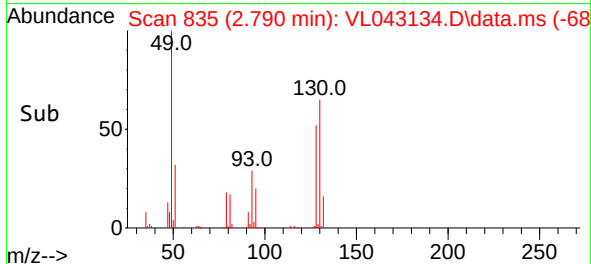
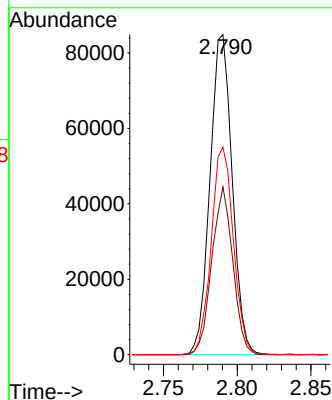
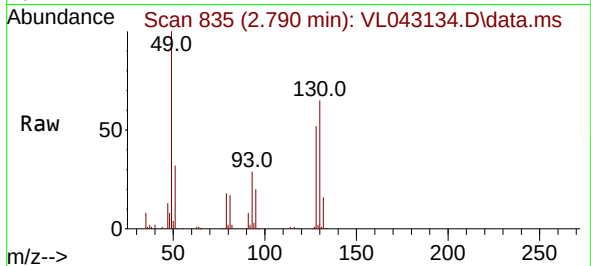




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL043134.D
Acq: 17 Oct 2025 10:21

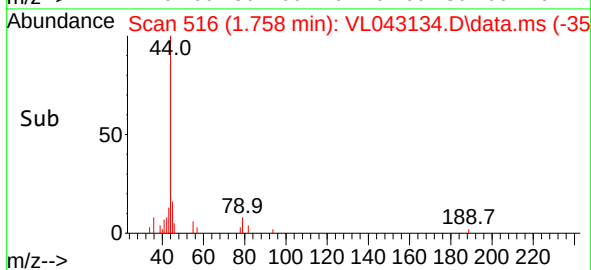
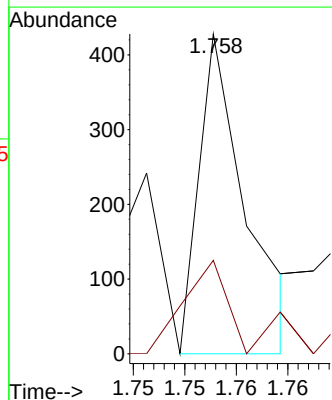
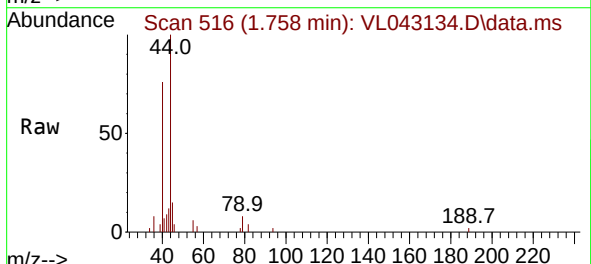
Instrument :
MSVOA_L
ClientSampleId :
QC101625 CAN 10604

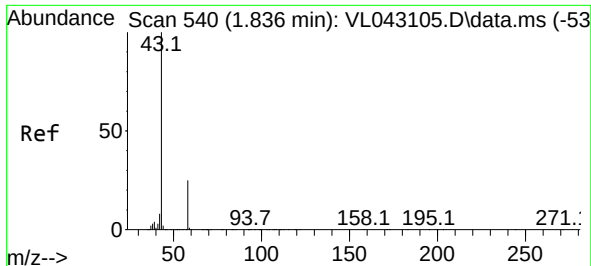
Tgt Ion: 49 Resp: 88837
Ion Ratio Lower Upper
49 100
128 49.5 24.4 73.4
130 65.0 31.0 93.0



#13
Ethanol
Concen: 0.061 ppbv
RT: 1.758 min Scan# 516
Delta R.T. 0.035 min
Lab File: VL043134.D
Acq: 17 Oct 2025 10:21

Tgt Ion: 45 Resp: 137
Ion Ratio Lower Upper
45 100
46 0.0 14.7 58.9#

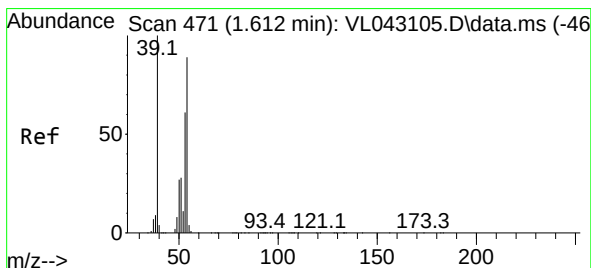
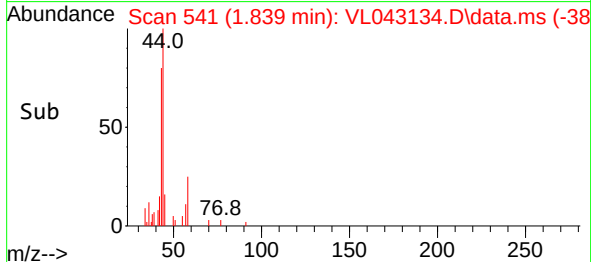
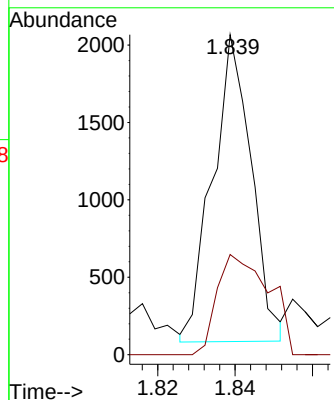
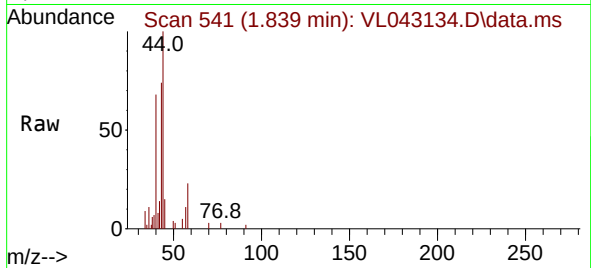




#15
Acetone
Concen: 0.115 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL043134.D
Acq: 17 Oct 2025 10:21

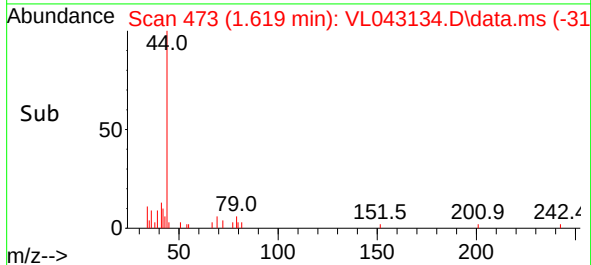
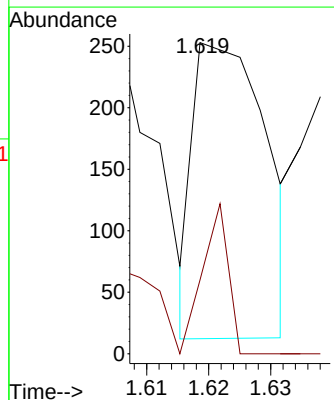
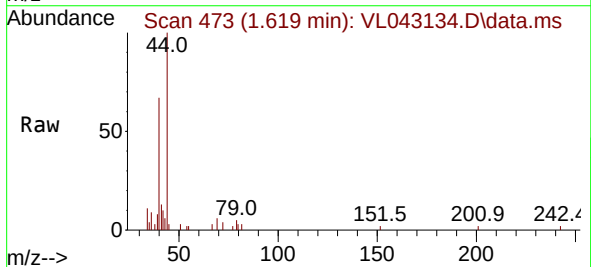
Instrument :
MSVOA_L
ClientSampleId :
QC101625 CAN 10604

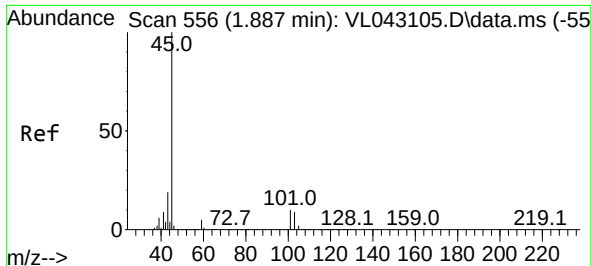
Tgt Ion: 43 Resp: 1378
Ion Ratio Lower Upper
43 100
58 43.8 20.8 31.2#



#16
1,3-Butadiene
Concen: 0.035 ppbv
RT: 1.619 min Scan# 473
Delta R.T. 0.006 min
Lab File: VL043134.D
Acq: 17 Oct 2025 10:21

Tgt Ion: 39 Resp: 197
Ion Ratio Lower Upper
39 100
54 0.0 59.0 88.4#

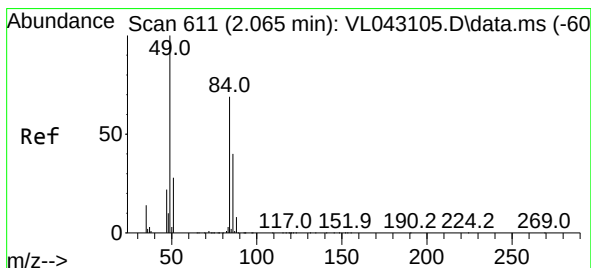
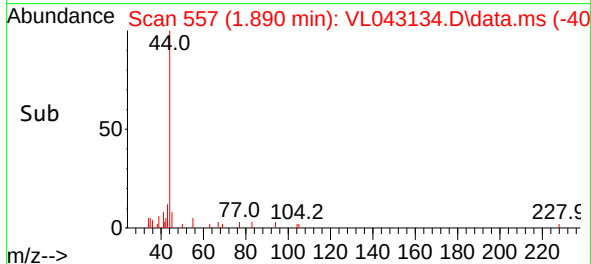
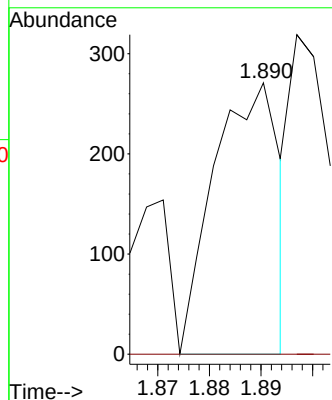
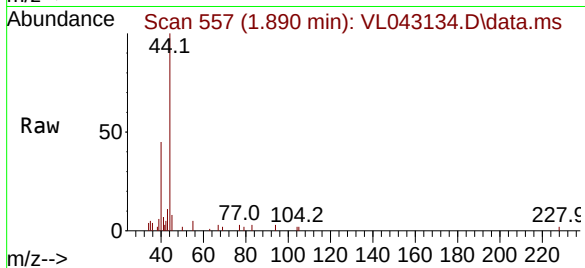




#19
Isopropyl Alcohol
Concen: 0.032 ppbv
RT: 1.890 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043134.D
Acq: 17 Oct 2025 10:21

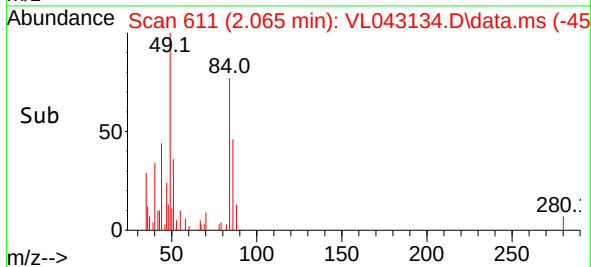
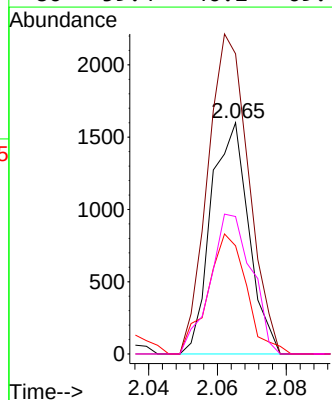
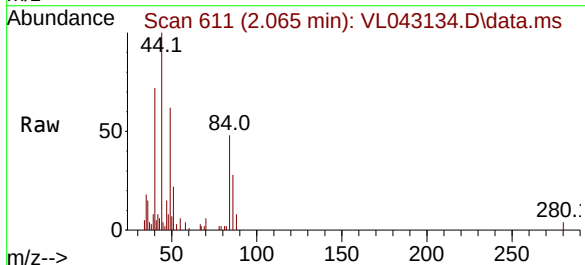
Instrument :
MSVOA_L
ClientSampleId :
QC101625 CAN 10604

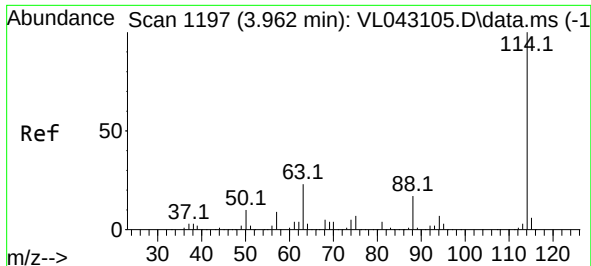
Tgt Ion: 45 Resp: 239
Ion Ratio Lower Upper
45 100
58 0.0 31.3 46.9#



#20
Methylene Chloride
Concen: 0.257 ppbv
RT: 2.065 min Scan# 611
Delta R.T. -0.000 min
Lab File: VL043134.D
Acq: 17 Oct 2025 10:21

Tgt Ion: 84 Resp: 1216
Ion Ratio Lower Upper
84 100
49 129.8 116.6 175.0
51 46.8 34.8 52.2
86 59.4 46.2 69.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. -0.000 min

Lab File: VL043134.D

Acq: 17 Oct 2025 10:21

Instrument :

MSVOA_1

ClientSampleId :

QC101625 CAN 10604

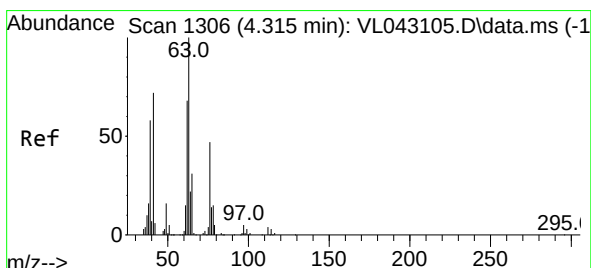
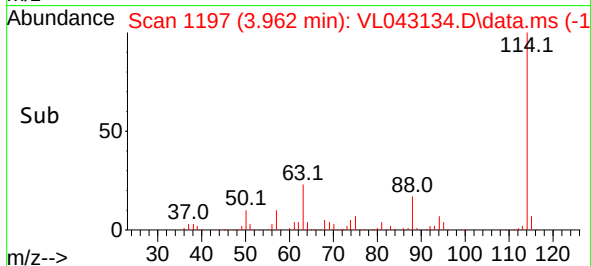
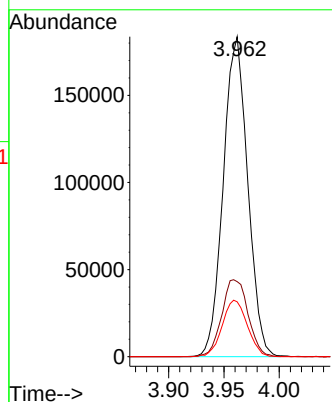
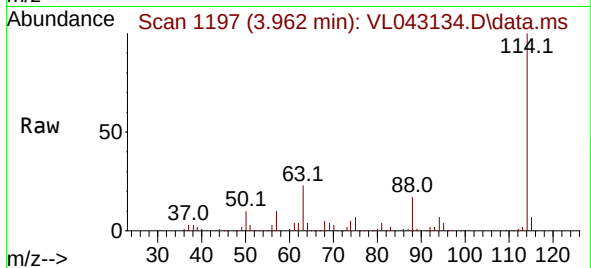
Tgt Ion:114 Resp: 282277

Ion Ratio Lower Upper

114 100

63 25.9 19.3 28.9

88 18.2 13.9 20.9



#39

1,2-Dichloropropane

Concen: 7.507 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. -0.356 min

Lab File: VL043134.D

Acq: 17 Oct 2025 10:21

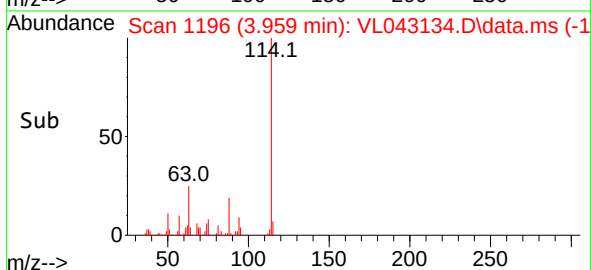
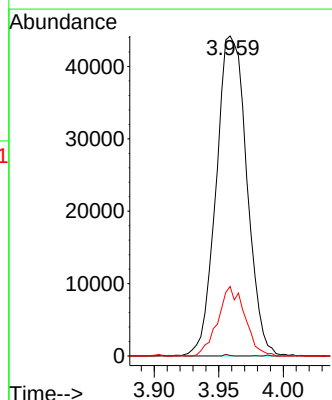
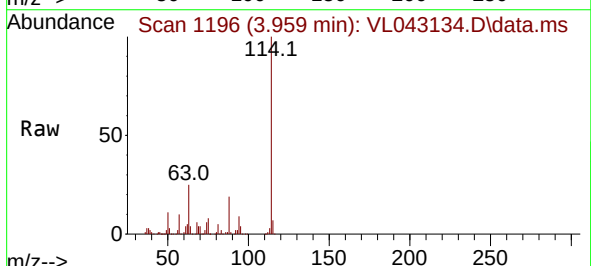
Tgt Ion: 63 Resp: 72960

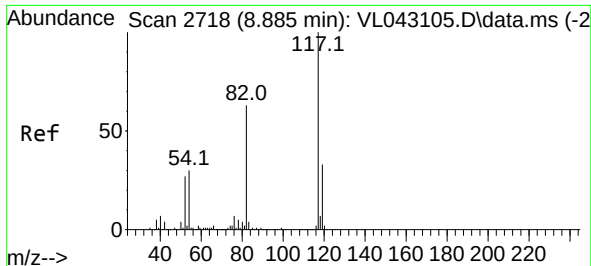
Ion Ratio Lower Upper

63 100

41 0.2 58.0 87.0#

62 21.7 54.7 82.1#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL043134.D

Acq: 17 Oct 2025 10:21

Instrument :

MSVOA_L

ClientSampleId :

QC101625 CAN 10604

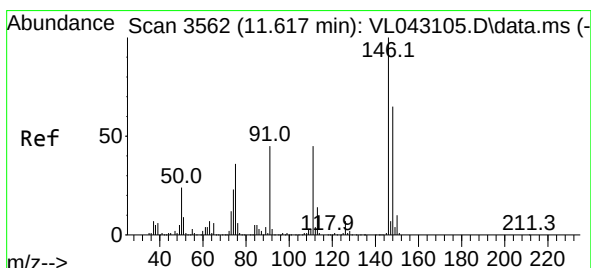
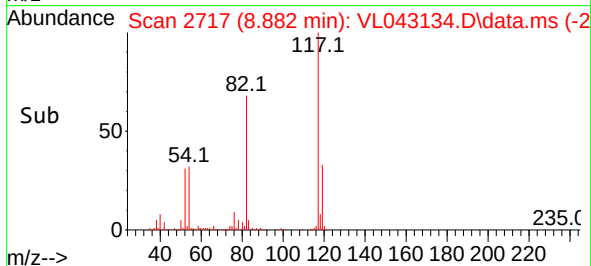
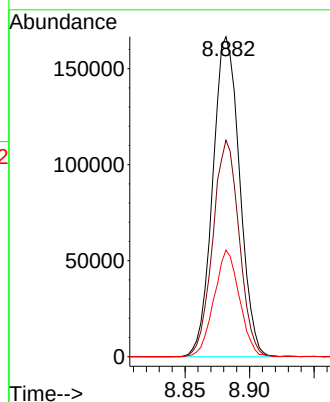
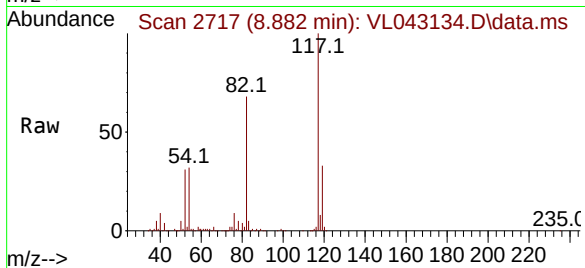
Tgt Ion:117 Resp: 241071

Ion Ratio Lower Upper

117 100

82 66.4 53.8 80.8

119 31.7 25.4 38.0



#66

Benzyl Chloride

Concen: 0.032 ppbv

RT: 11.532 min Scan# 3536

Delta R.T. -0.084 min

Lab File: VL043134.D

Acq: 17 Oct 2025 10:21

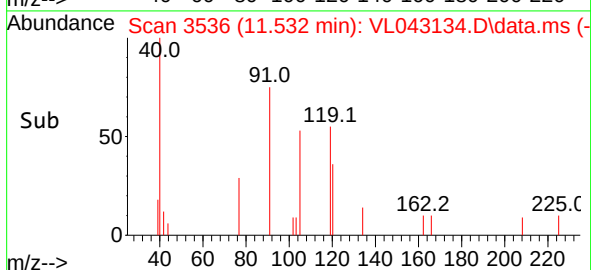
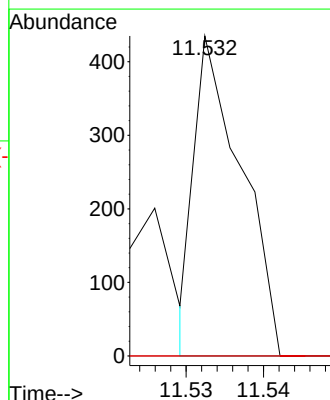
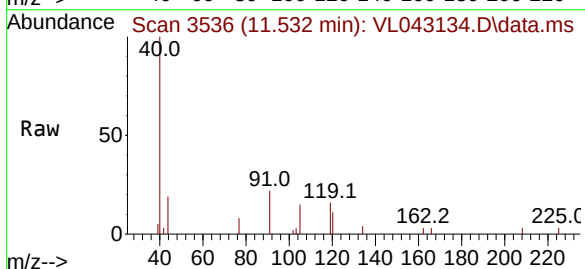
Tgt Ion: 91 Resp: 183

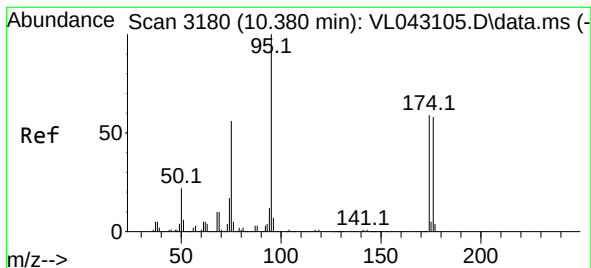
Ion Ratio Lower Upper

91 100

126 0.0 14.6 22.0#

128 0.0 4.6 6.8#

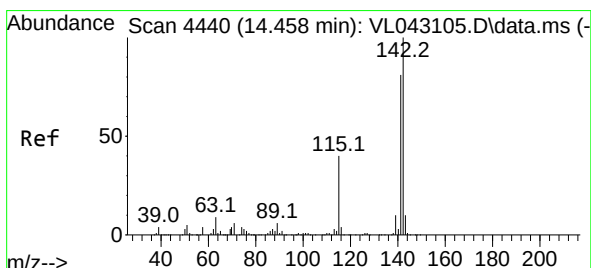
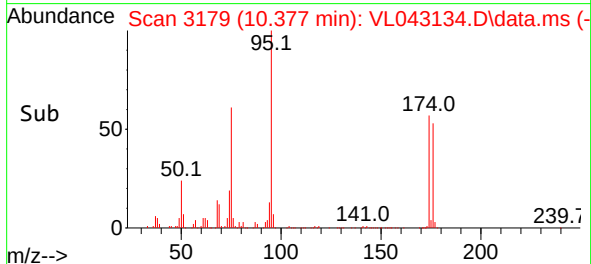
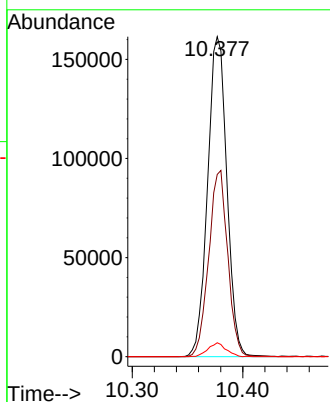
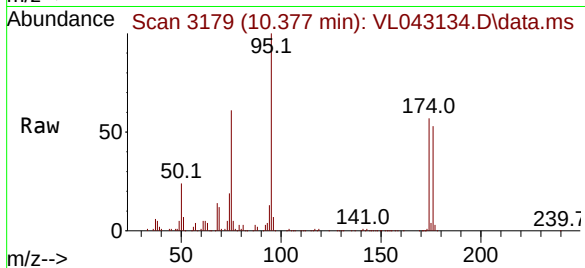




#68
1-Bromo-4-Fluorobenzene
Concen: 10.414 ppbv
RT: 10.377 min Scan# 3180
Delta R.T. -0.003 min
Lab File: VL043134.D
Acq: 17 Oct 2025 10:21

Instrument :
MSVOA_1
ClientSampleId :
QC101625 CAN 10604

Tgt Ion: 95 Resp: 195134
Ion Ratio Lower Upper
95 100
174 57.4 48.3 72.5
175 4.1 3.8 5.8



#80
Naphthalene,2-methyl-
Concen: 0.033 ppbv
RT: 14.468 min Scan# 4443
Delta R.T. 0.010 min
Lab File: VL043134.D
Acq: 17 Oct 2025 10:21

Tgt Ion:142 Resp: 335
Ion Ratio Lower Upper
142 100
141 29.9 64.6 97.0#
115 29.3 30.2 45.4#

