

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092425\
 Data File : VL043004.D
 Acq On : 24 Sep 2025 11:29
 Operator : SY/MD
 Sample : Q3154-02DL 80X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Quant Time: Sep 25 01:53:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

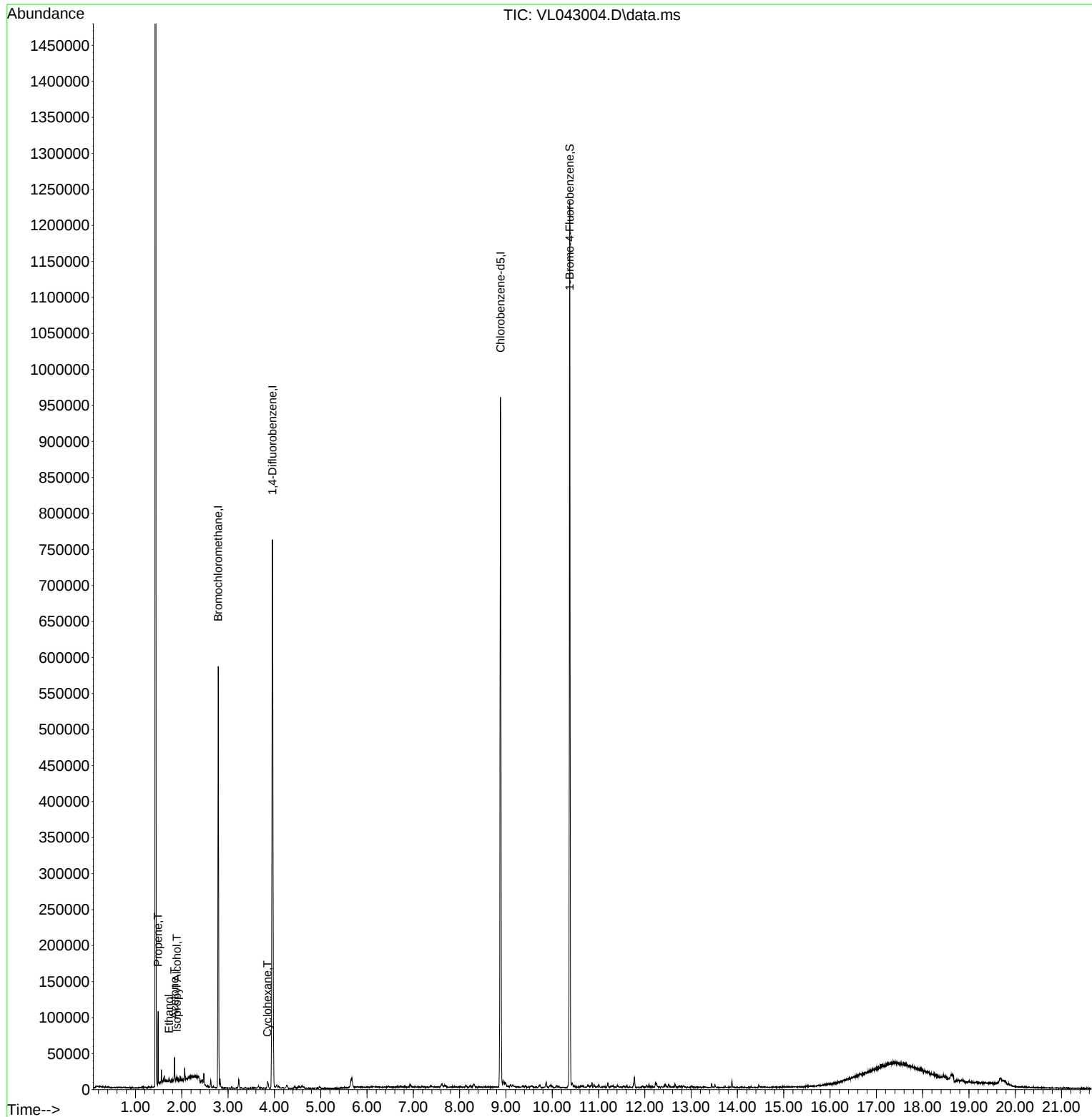
Internal Standards						
1) Bromochloromethane	2.787	49	156444	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.959	114	471426	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.882	117	405809	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	291749	9.631	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.300%
Target Compounds						
					Qvalue	
9) Propene	1.489	41	9158	0.803	ppbv #	71
13) Ethanol	1.722	45	1763m	1.593	ppbv	
15) Acetone	1.839	43	10633	0.522	ppbv #	84
19) Isopropyl Alcohol	1.891	45	1862m	0.152	ppbv	
30) Cyclohexane	3.852	84	2276m	0.116	ppbv	

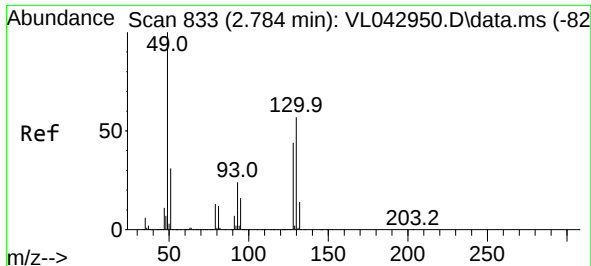
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
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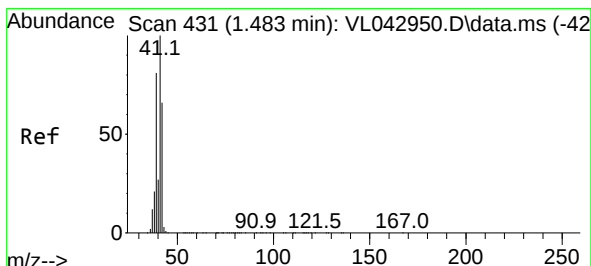
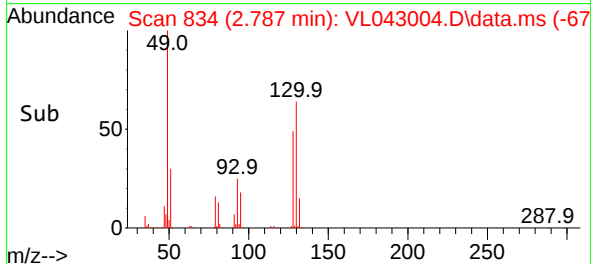
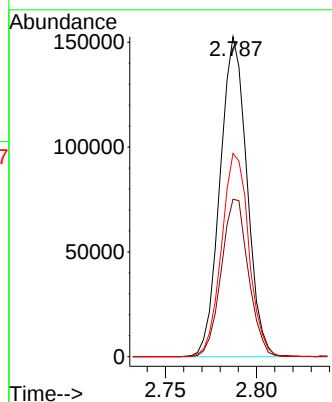
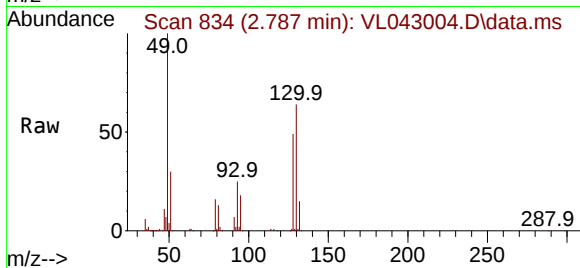




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.787 min Scan# 81
 Delta R.T. 0.003 min
 Lab File: VL043004.D
 Acq: 24 Sep 2025 11:29

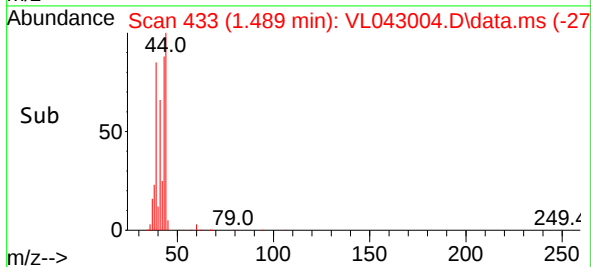
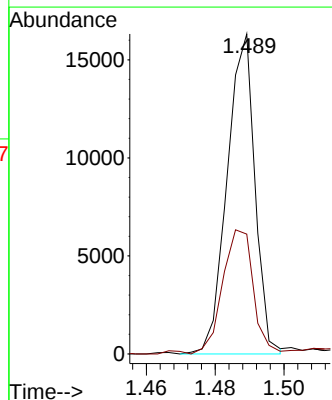
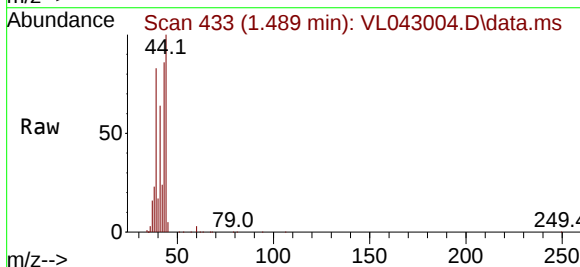
Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

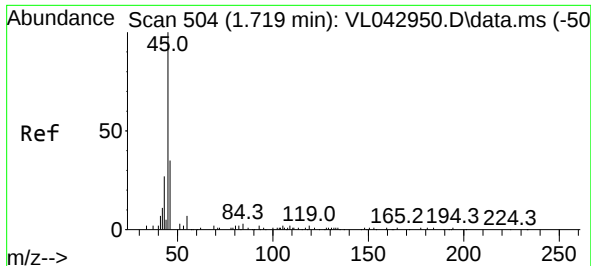
Tgt Ion: 49 Resp: 156444
 Ion Ratio Lower Upper
 49 100
 128 49.8 22.9 68.8
 130 64.7 29.1 87.3



#9
 Propene
 Concen: 0.803 ppbv
 RT: 1.489 min Scan# 433
 Delta R.T. 0.006 min
 Lab File: VL043004.D
 Acq: 24 Sep 2025 11:29

Tgt Ion: 41 Resp: 9158
 Ion Ratio Lower Upper
 41 100
 42 47.9 57.4 86.2#

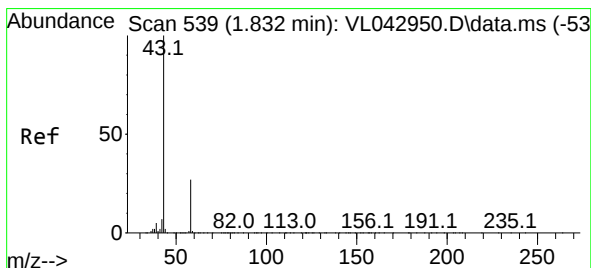
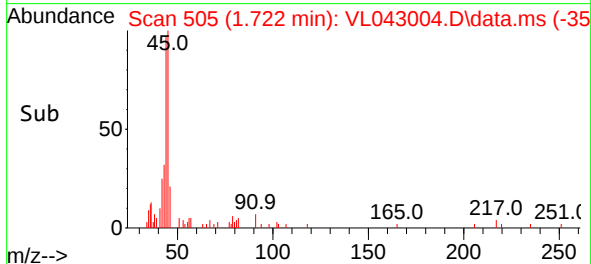
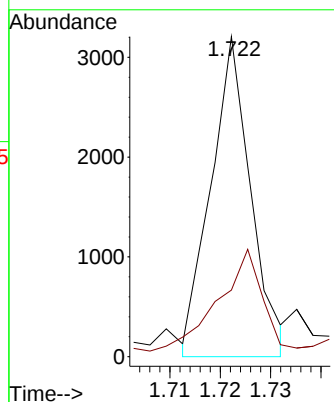
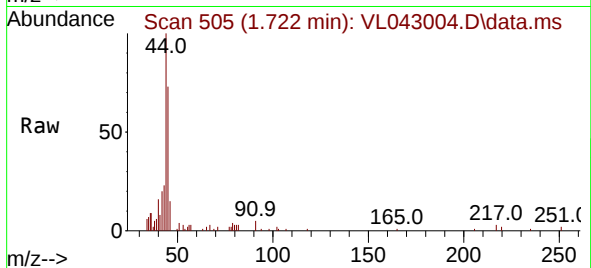




#13
Ethanol
Concen: 1.593 ppbv m
RT: 1.722 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL043004.D
Acq: 24 Sep 2025 11:29

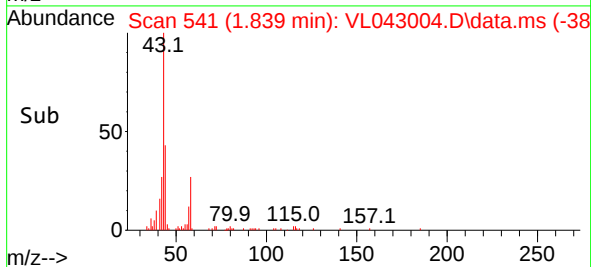
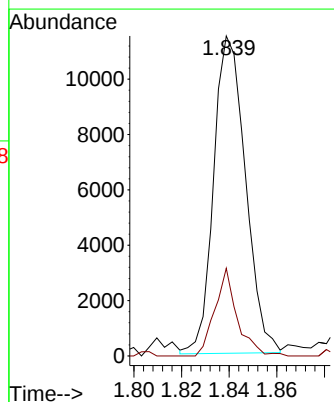
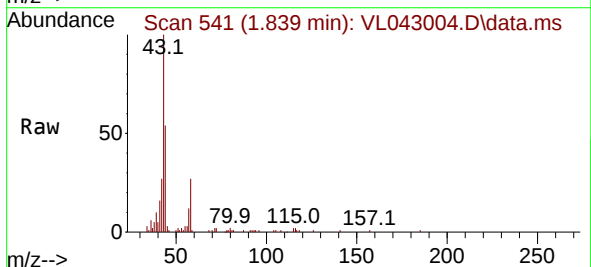
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

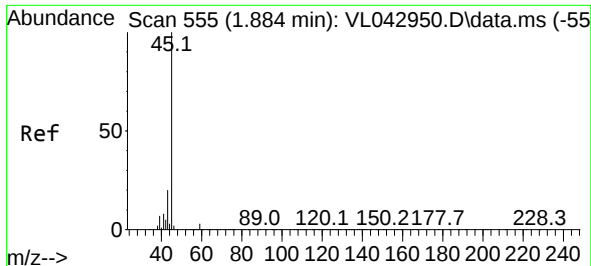
Tgt Ion: 45 Resp: 1763
Ion Ratio Lower Upper
45 100
46 5829.3 16.2 64.6#



#15
Acetone
Concen: 0.522 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL043004.D
Acq: 24 Sep 2025 11:29

Tgt Ion: 43 Resp: 10633
Ion Ratio Lower Upper
43 100
58 19.4 22.3 33.5#

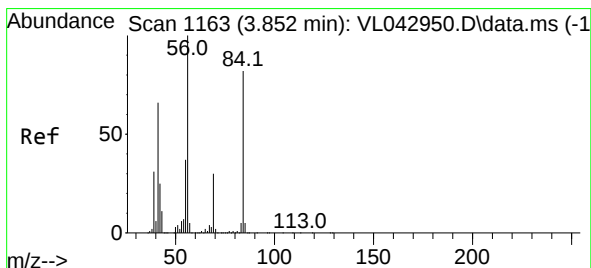
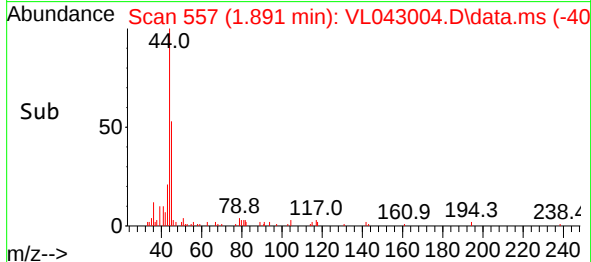
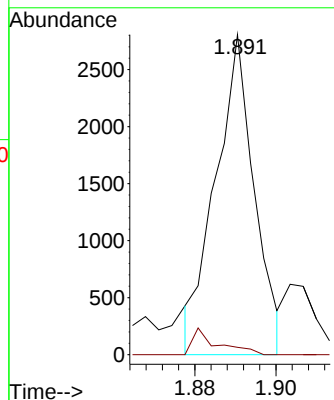
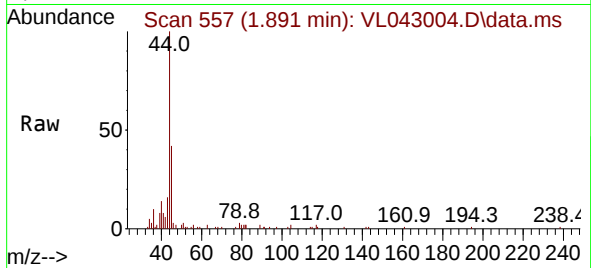




#19
Isopropyl Alcohol
Concen: 0.152 ppbv m
RT: 1.891 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL043004.D
Acq: 24 Sep 2025 11:29

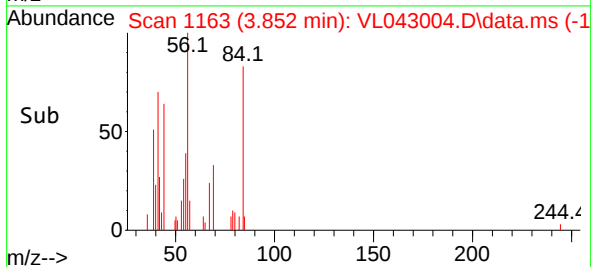
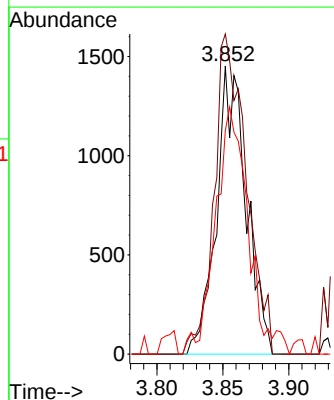
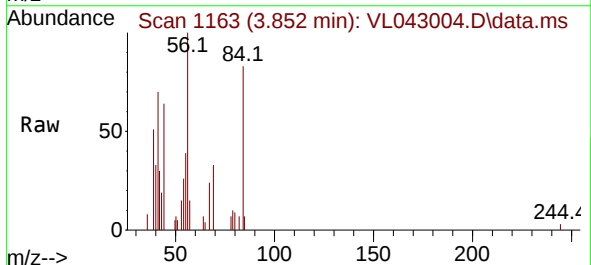
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

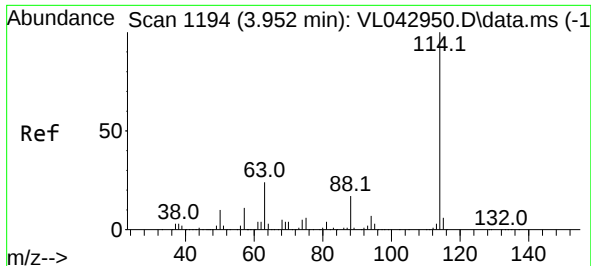
Tgt Ion: 45 Resp: 1862
Ion Ratio Lower Upper
45 100
58 7.8 31.0 46.6#



#30
Cyclohexane
Concen: 0.116 ppbv m
RT: 3.852 min Scan# 1163
Delta R.T. -0.000 min
Lab File: VL043004.D
Acq: 24 Sep 2025 11:29

Tgt Ion: 84 Resp: 2276
Ion Ratio Lower Upper
84 100
56 0.0 102.2 153.4#
41 97.3 65.6 98.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.959 min Scan# 1196

Delta R.T. 0.006 min

Lab File: VL043004.D

Acq: 24 Sep 2025 11:29

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

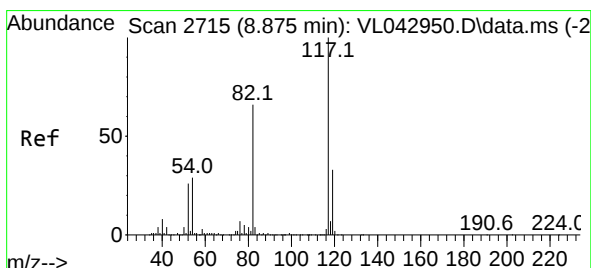
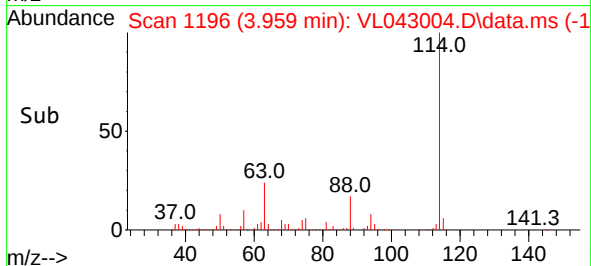
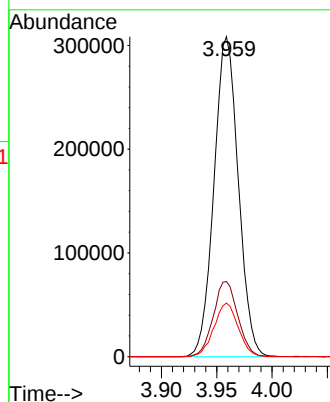
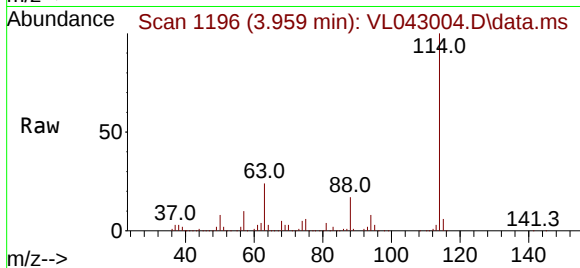
Tgt Ion:114 Resp: 471426

Ion Ratio Lower Upper

114 100

63 23.7 19.4 29.2

88 16.7 14.2 21.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.882 min Scan# 2717

Delta R.T. 0.006 min

Lab File: VL043004.D

Acq: 24 Sep 2025 11:29

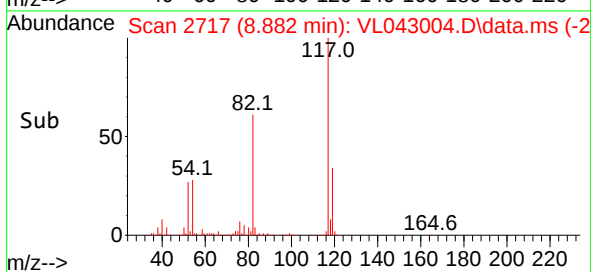
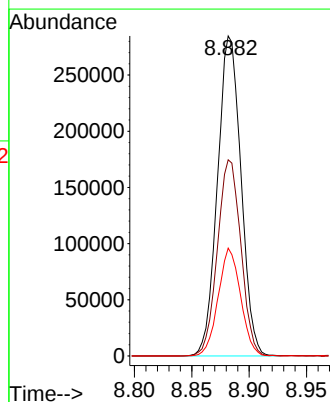
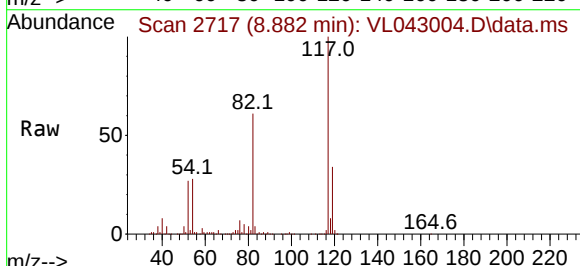
Tgt Ion:117 Resp: 405809

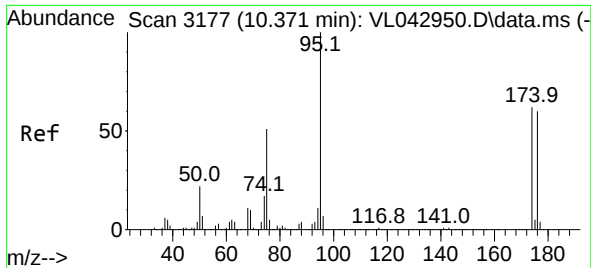
Ion Ratio Lower Upper

117 100

82 61.2 52.8 79.2

119 32.3 26.5 39.7





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.631 ppbv
 RT: 10.377 min Scan# 3179
 Delta R.T. 0.006 min
 Lab File: VL043004.D
 Acq: 24 Sep 2025 11:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Tgt Ion: 95 Resp: 291749
 Ion Ratio Lower Upper
 95 100
 174 73.0 51.4 77.2
 175 5.4 4.0 6.0

