

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100825\
 Data File : VL043077.D
 Acq On : 09 Oct 2025 02:01
 Operator : SY/MD
 Sample : Q3320-07DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4DL

Quant Time: Oct 09 02:49:56 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

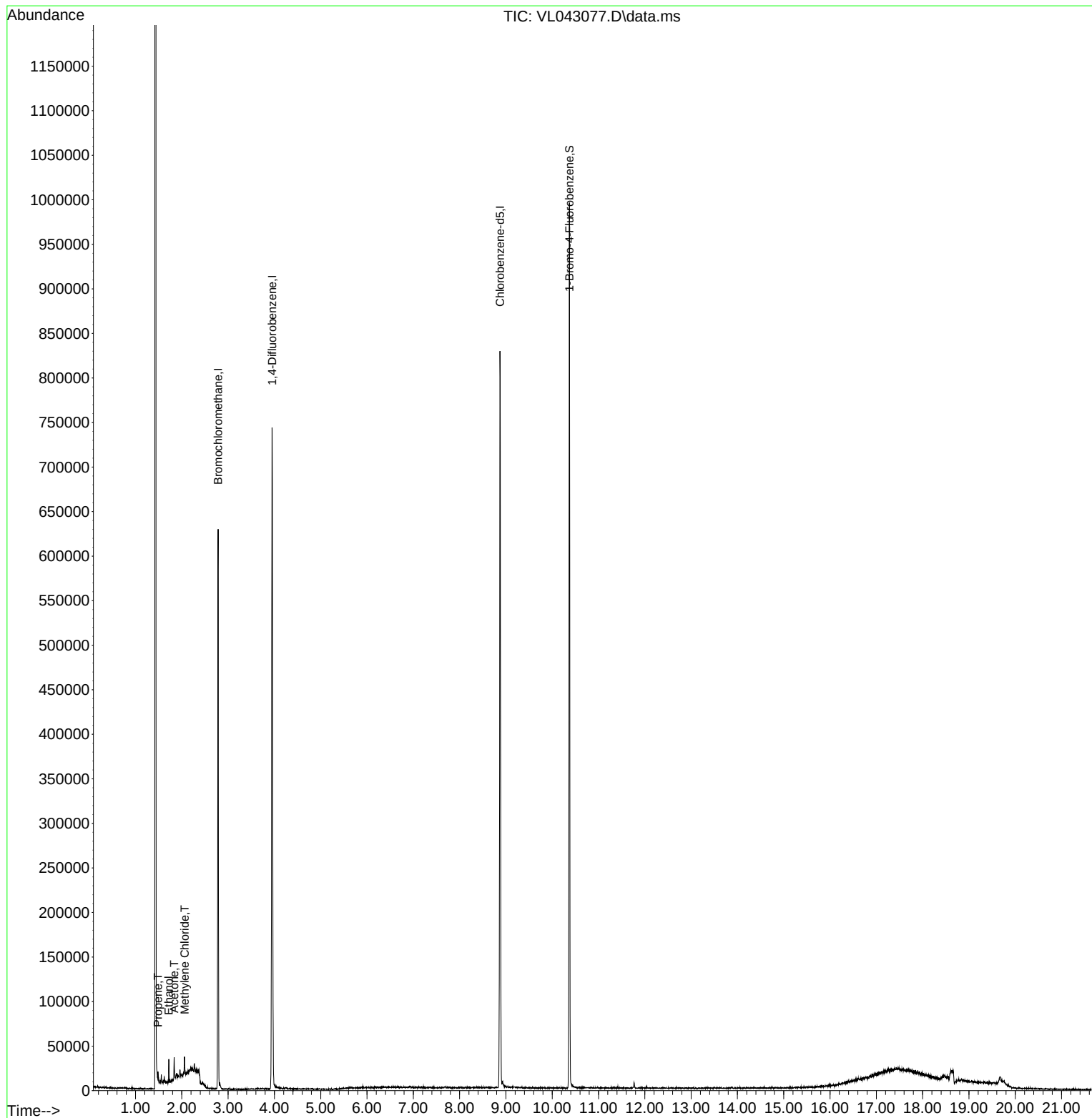
Internal Standards						
1) Bromochloromethane	2.784	49	166091	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	408901	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.872	117	318833	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	217373	9.464	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.600%
Target Compounds						
					Qvalue	
9) Propene	1.486	41	1209m	0.111	ppbv	
13) Ethanol	1.719	45	8343	19.816	ppbv #	31
15) Acetone	1.835	43	11089	0.477	ppbv	100
20) Methylene Chloride	2.062	84	3072	0.303	ppbv	89

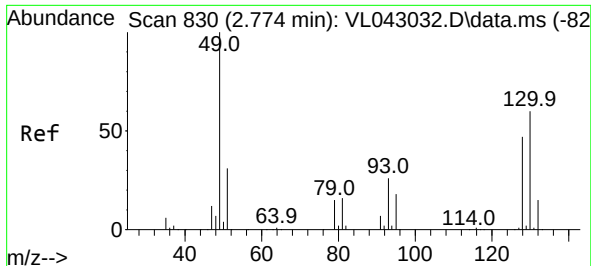
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
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Response via : Initial Calibration

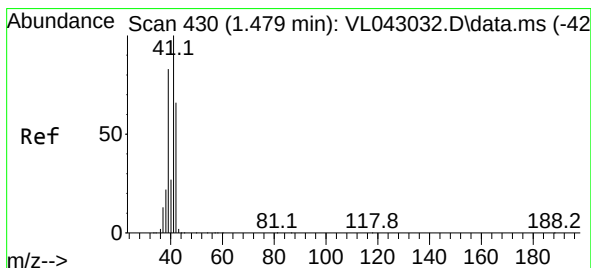
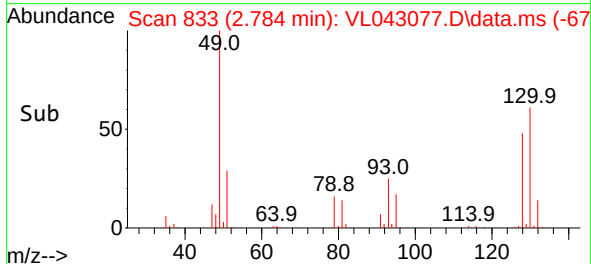
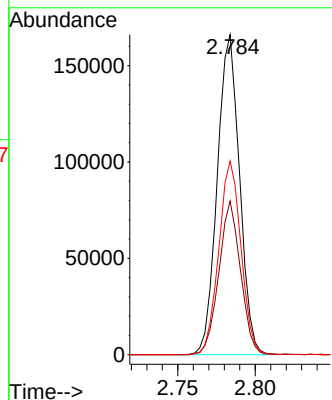
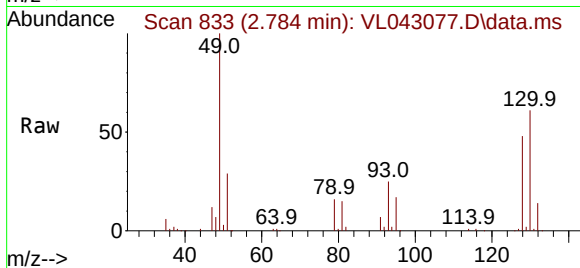




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 2.784 min Scan# 81
 Delta R.T. 0.010 min
 Lab File: VL043077.D
 Acq: 09 Oct 2025 02:01

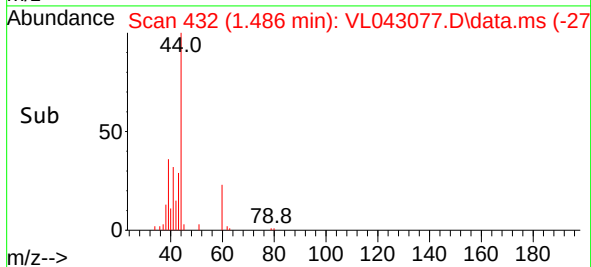
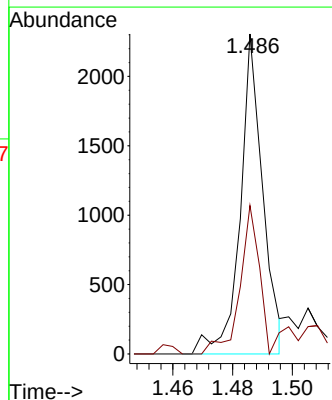
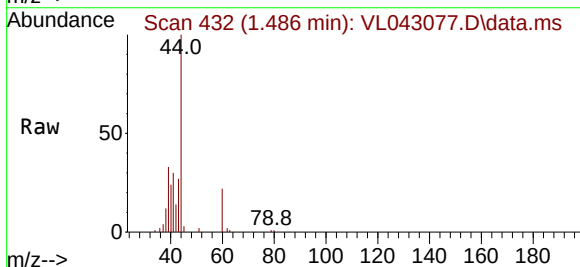
Instrument :
 MSVOA_L
 ClientSampleId :
 IA4DL

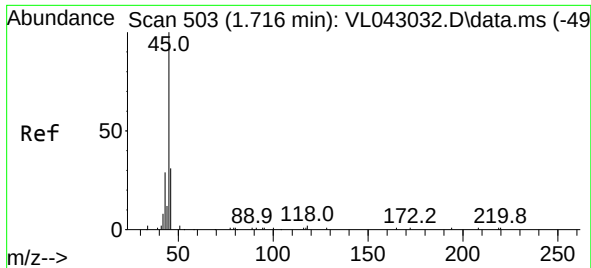
Tgt Ion: 49 Resp: 166091
 Ion Ratio Lower Upper
 49 100
 128 46.7 24.1 72.2
 130 60.4 31.4 94.3



#9
 Propene
 Concen: 0.111 ppbv m
 RT: 1.486 min Scan# 432
 Delta R.T. 0.006 min
 Lab File: VL043077.D
 Acq: 09 Oct 2025 02:01

Tgt Ion: 41 Resp: 1209
 Ion Ratio Lower Upper
 41 100
 42 0.0 53.3 79.9#

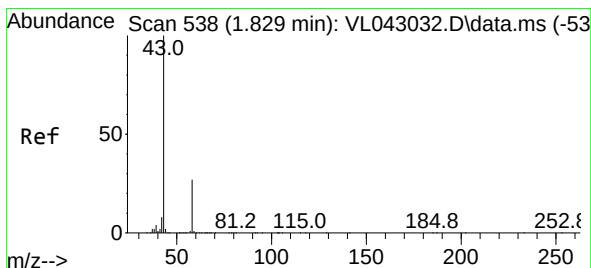
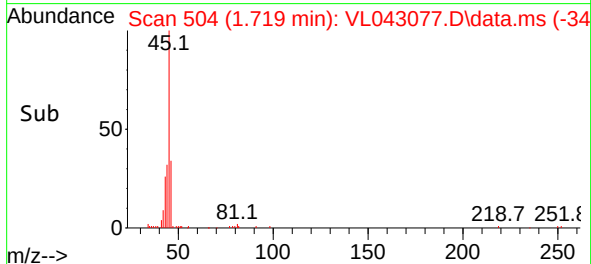
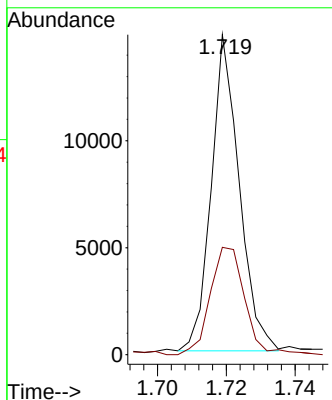
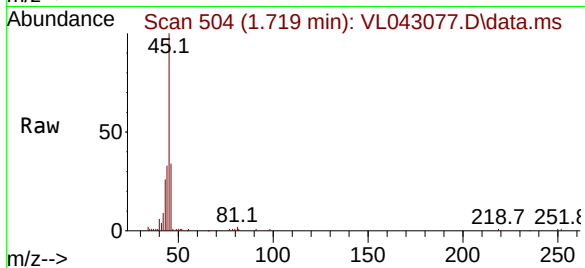




#13
Ethanol
Concen: 19.816 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043077.D
Acq: 09 Oct 2025 02:01

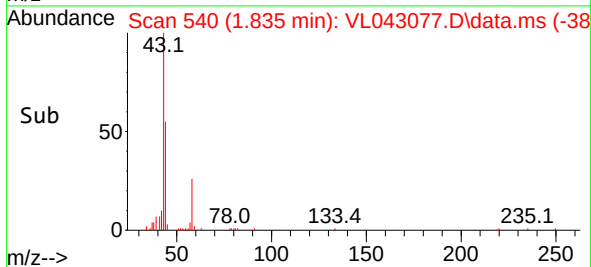
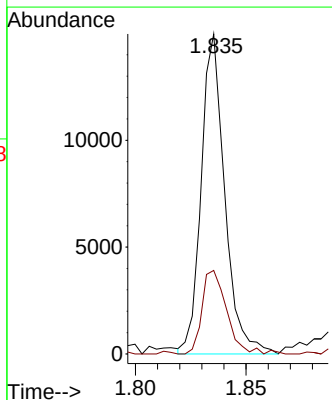
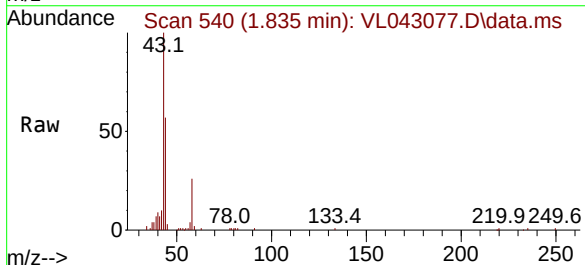
Instrument :
MSVOA_L
ClientSampleId :
IA4DL

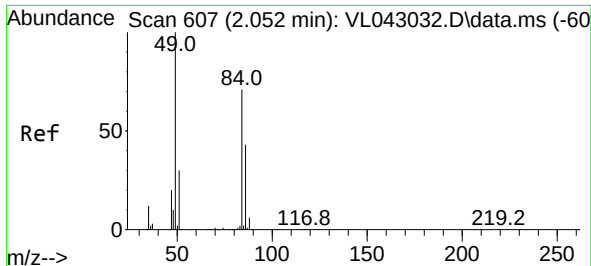
Tgt Ion: 45 Resp: 8343
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#



#15
Acetone
Concen: 0.477 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.006 min
Lab File: VL043077.D
Acq: 09 Oct 2025 02:01

Tgt Ion: 43 Resp: 11089
Ion Ratio Lower Upper
43 100
58 27.7 22.2 33.4





#20

Methylene Chloride

Concen: 0.303 ppbv

RT: 2.062 min Scan# 61

Delta R.T. 0.010 min

Lab File: VL043077.D

Acq: 09 Oct 2025 02:01

Instrument :

MSVOA_L

ClientSampleId :

IA4DL

Tgt Ion: 84 Resp: 3072

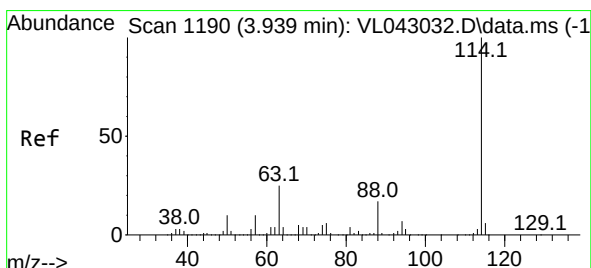
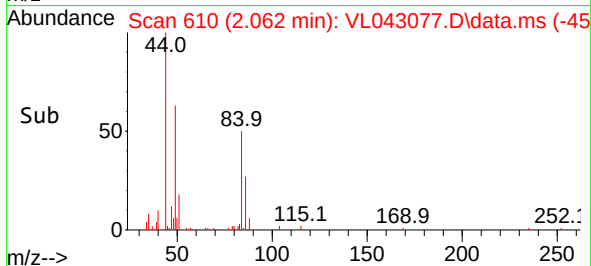
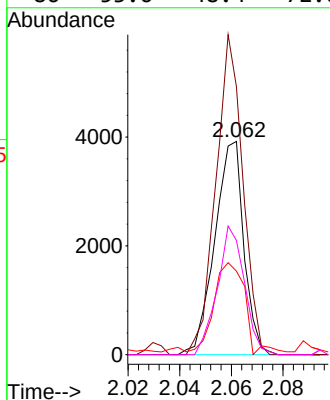
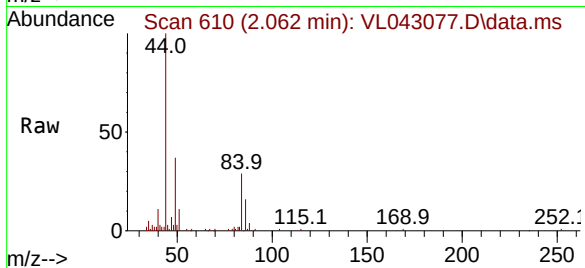
Ion Ratio Lower Upper

84 100

49 125.6 112.5 168.7

51 37.0 34.2 51.2

86 53.6 48.4 72.6



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. 0.013 min

Lab File: VL043077.D

Acq: 09 Oct 2025 02:01

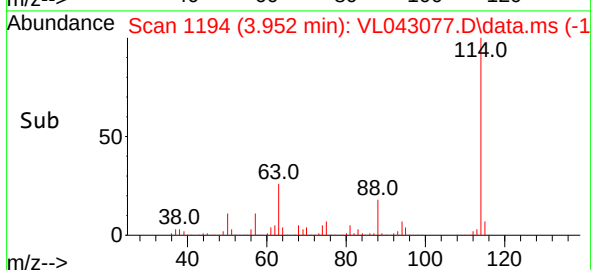
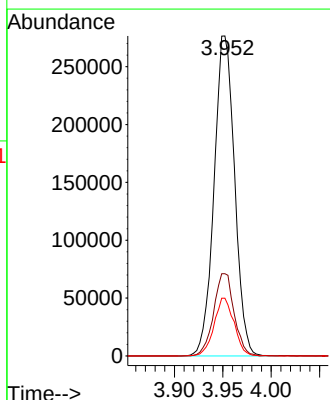
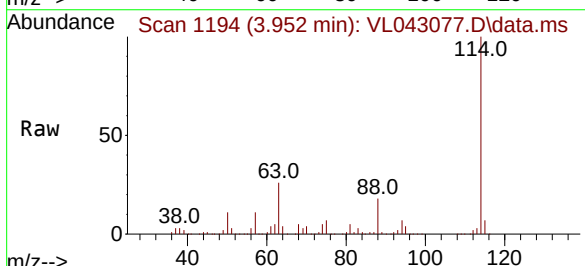
Tgt Ion: 114 Resp: 408901

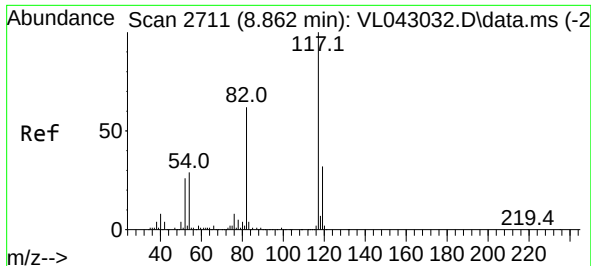
Ion Ratio Lower Upper

114 100

63 25.8 19.4 29.2

88 17.6 13.9 20.9

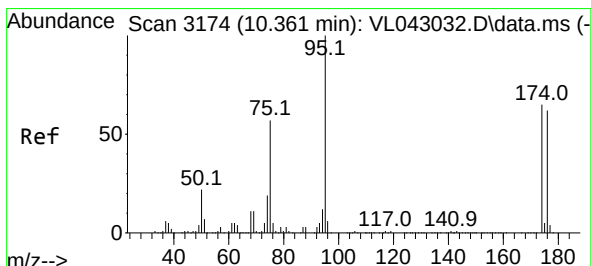
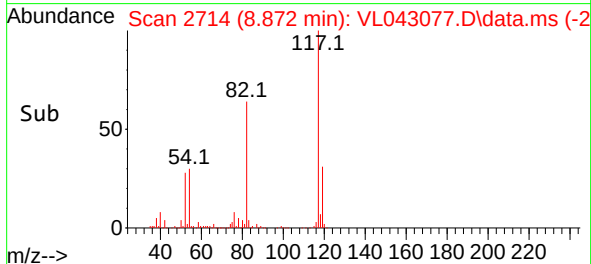
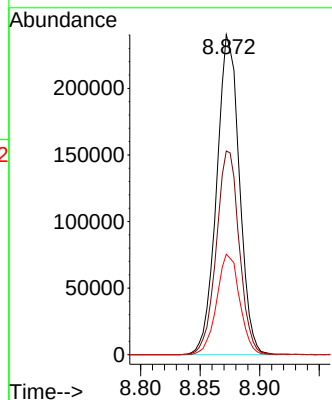
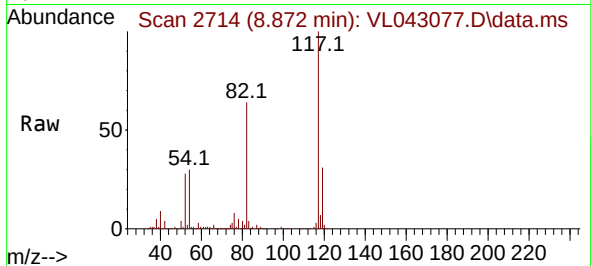




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL043077.D
Acq: 09 Oct 2025 02:01

Instrument :
MSVOA_L
ClientSampleId :
IA4DL

Tgt Ion:117 Resp: 318833
Ion Ratio Lower Upper
117 100
82 64.3 53.0 79.6
119 31.8 25.4 38.2



#68
1-Bromo-4-Fluorobenzene
Concen: 9.464 ppbv
RT: 10.370 min Scan# 3177
Delta R.T. 0.010 min
Lab File: VL043077.D
Acq: 09 Oct 2025 02:01

Tgt Ion: 95 Resp: 217373
Ion Ratio Lower Upper
95 100
174 65.6 52.3 78.5
175 4.7 3.8 5.8

