

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090425\
 Data File : VL042891.D
 Acq On : 04 Sep 2025 15:36
 Operator : SY/MD
 Sample : Q3000-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Quant Time: Sep 05 01:22:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Aug 14 02:12:54 2025
 Response via : Initial Calibration

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

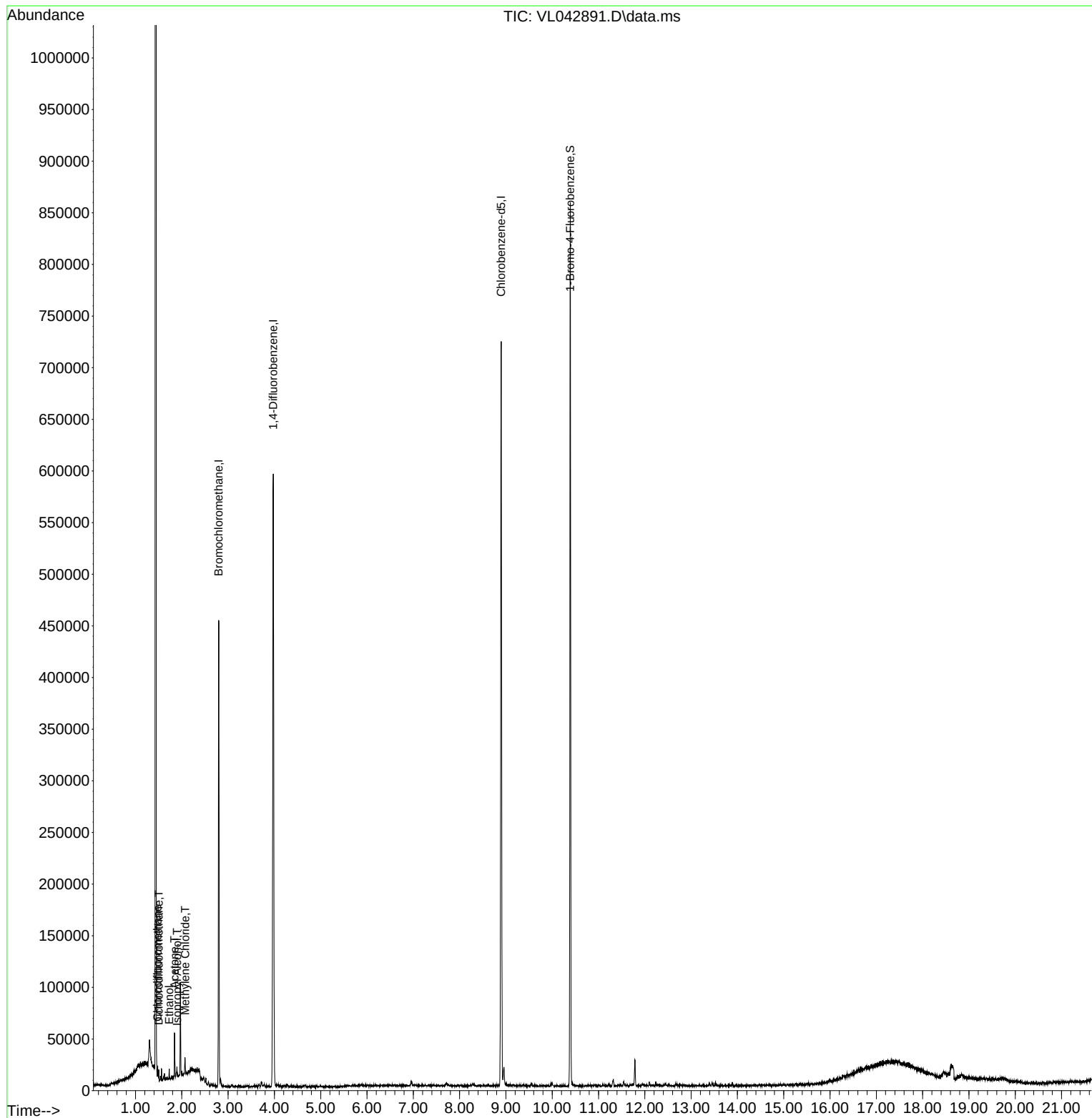
Internal Standards						
1) Bromochloromethane	2.797	49	126305	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	347782	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	291497	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	221649	10.139	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	2377	0.128	ppbv #	79
3) Chlorodifluoromethane	1.479	51	5575	0.272	ppbv #	91
13) Ethanol	1.729	45	3338m	4.131	ppbv	
15) Acetone	1.842	43	19059	1.141	ppbv	99
19) Isopropyl Alcohol	1.897	45	3167m	0.317	ppbv	
20) Methylene Chloride	2.072	84	2311	0.330	ppbv	93

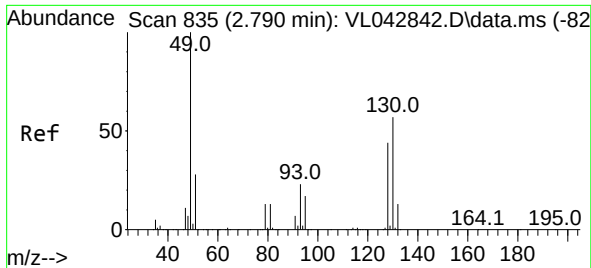
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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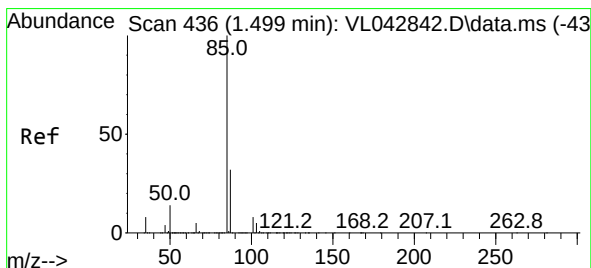
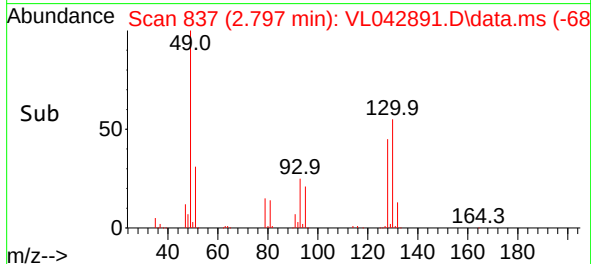
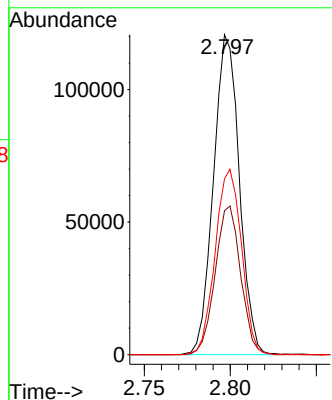
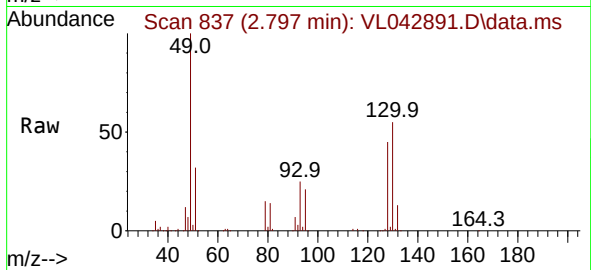




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042891.D
Acq: 04 Sep 2025 15:36

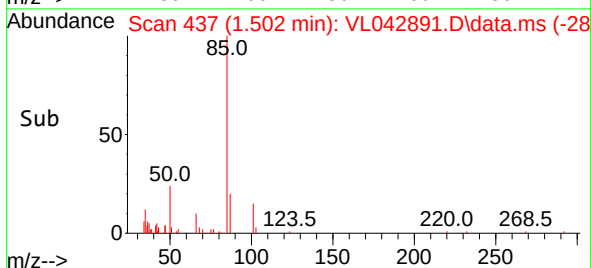
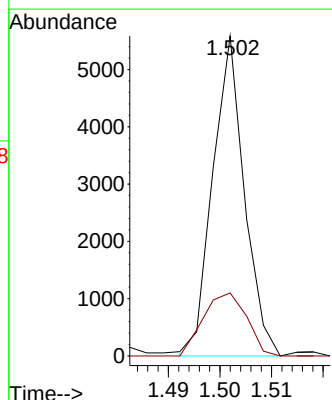
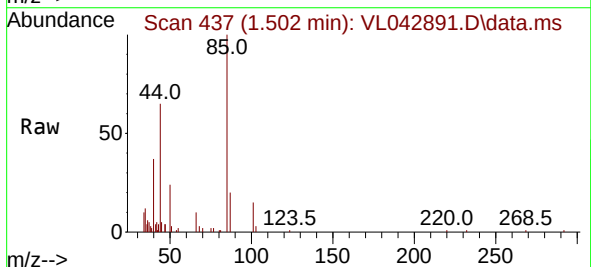
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

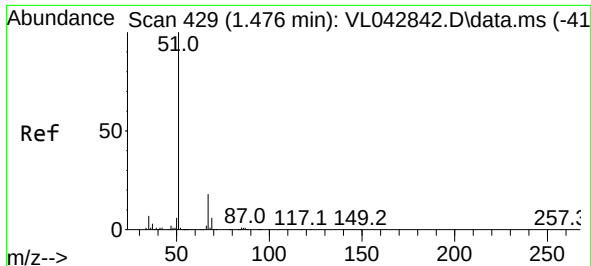
Tgt Ion: 49 Resp: 126305
Ion Ratio Lower Upper
49 100
128 45.8 23.7 71.1
130 59.0 30.6 91.6



#2
Dichlorodifluoromethane
Concen: 0.128 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.003 min
Lab File: VL042891.D
Acq: 04 Sep 2025 15:36

Tgt Ion: 85 Resp: 2377
Ion Ratio Lower Upper
85 100
87 19.7 25.3 37.9#

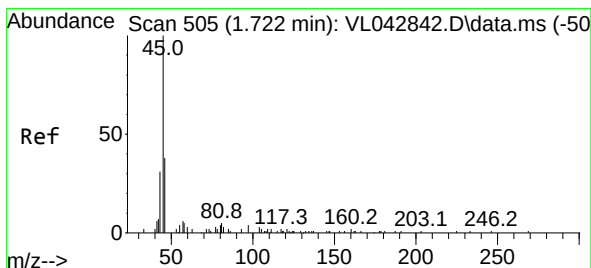
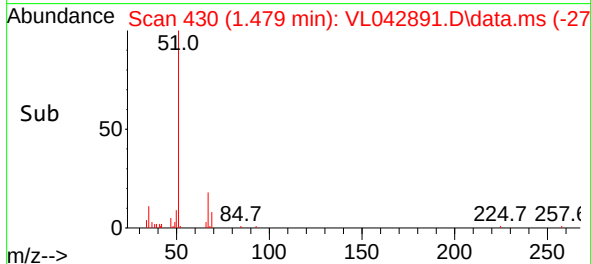
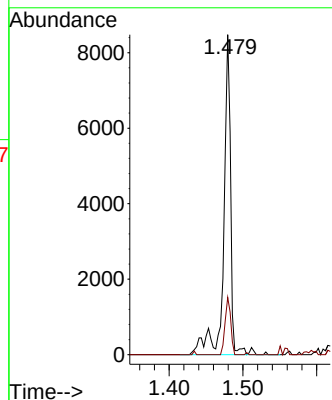
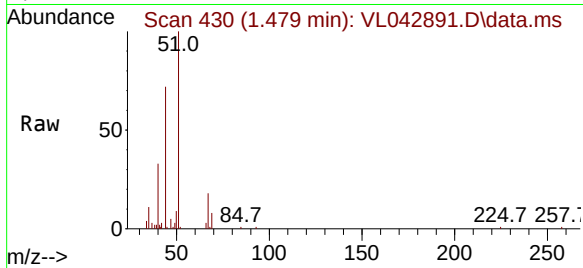




#3
Chlorodifluoromethane
Concen: 0.272 ppbv
RT: 1.479 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042891.D
Acq: 04 Sep 2025 15:36

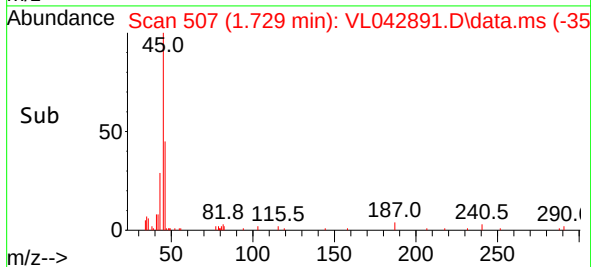
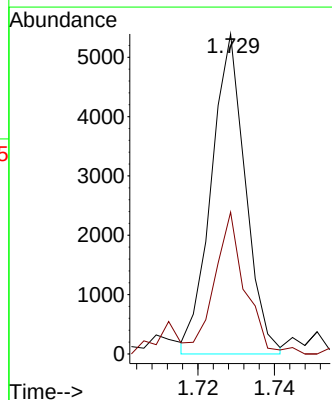
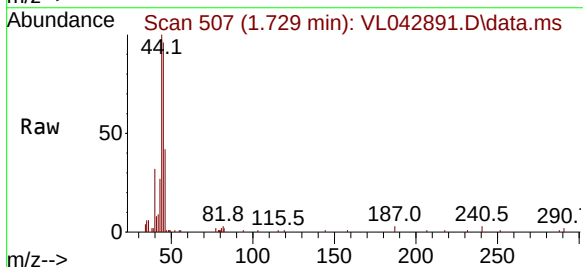
Instrument :
MSVOA_1
ClientSampleId :
IA1DL

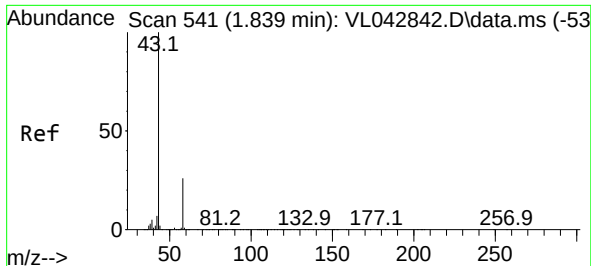
Tgt Ion: 51 Resp: 5575
Ion Ratio Lower Upper
51 100
67 14.5 14.9 22.3#



#13
Ethanol
Concen: 4.131 ppbv m
RT: 1.729 min Scan# 507
Delta R.T. 0.006 min
Lab File: VL042891.D
Acq: 04 Sep 2025 15:36

Tgt Ion: 45 Resp: 3338
Ion Ratio Lower Upper
45 100
46 0.0 17.5 69.9#





#15

Acetone

Concen: 1.141 ppbv

RT: 1.842 min Scan# 541

Delta R.T. 0.003 min

Lab File: VL042891.D

Acq: 04 Sep 2025 15:36

Instrument :

MSVOA_L

ClientSampleId :

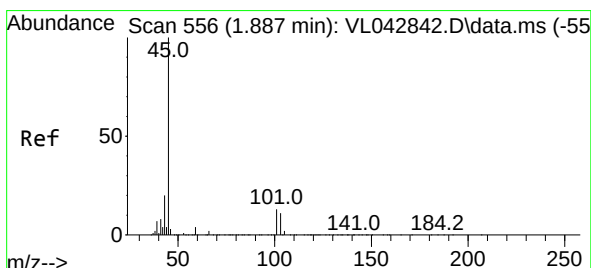
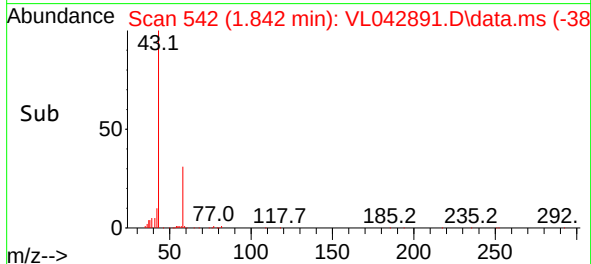
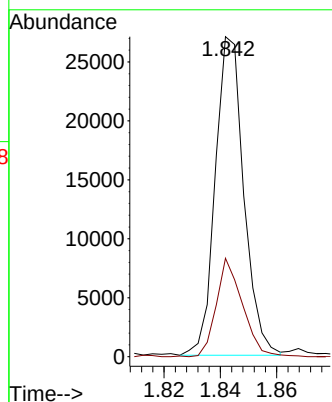
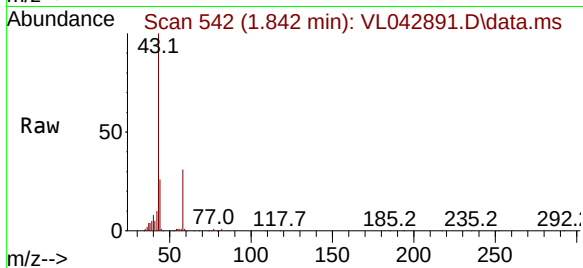
IA1DL

Tgt Ion: 43 Resp: 19059

Ion Ratio Lower Upper

43 100

58 28.4 22.4 33.6



#19

Isopropyl Alcohol

Concen: 0.317 ppbv m

RT: 1.897 min Scan# 559

Delta R.T. 0.010 min

Lab File: VL042891.D

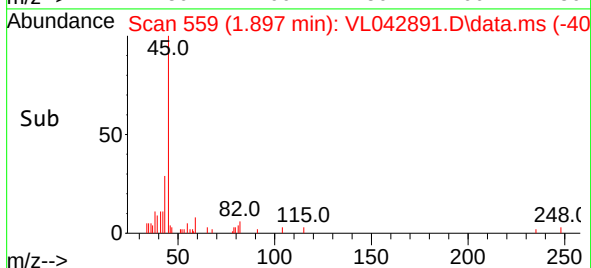
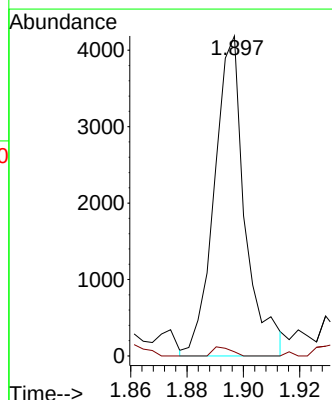
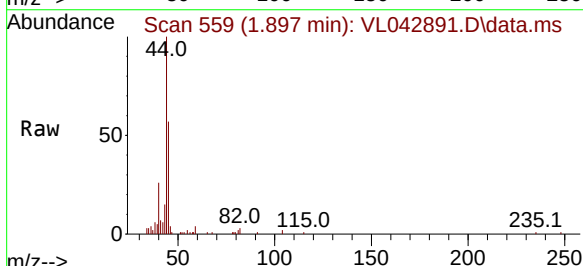
Acq: 04 Sep 2025 15:36

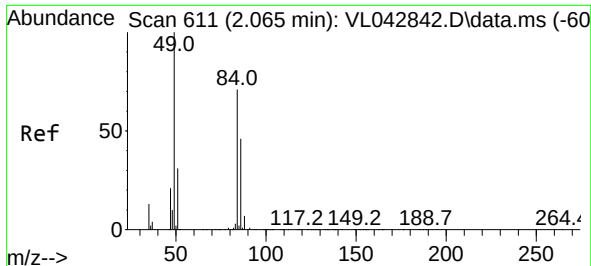
Tgt Ion: 45 Resp: 3167

Ion Ratio Lower Upper

45 100

58 0.0 32.7 49.1#

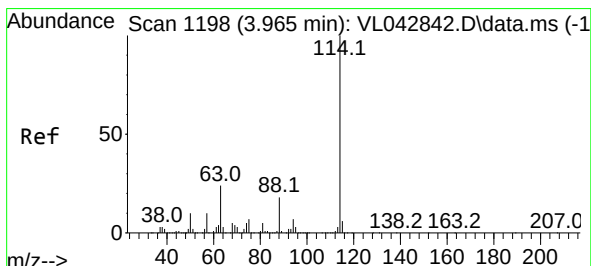
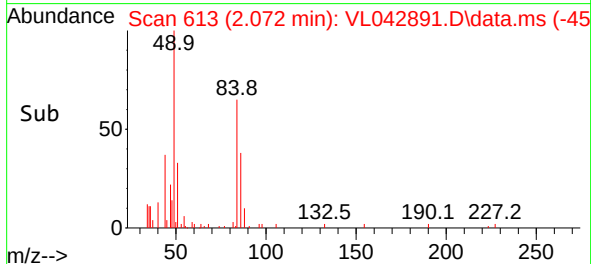
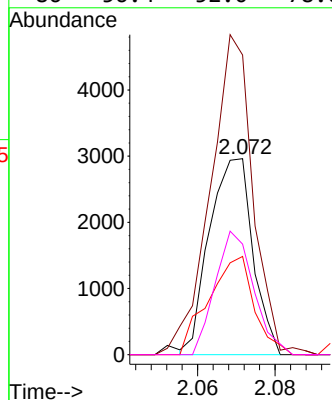
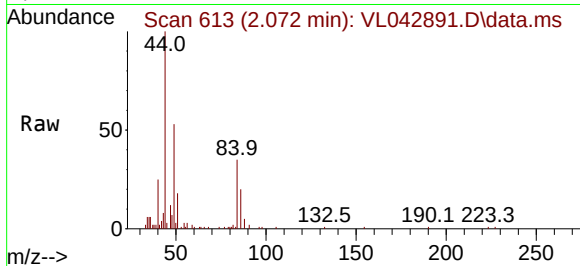




#20
Methylene Chloride
Concen: 0.330 ppbv
RT: 2.072 min Scan# 611
Delta R.T. 0.006 min
Lab File: VL042891.D
Acq: 04 Sep 2025 15:36

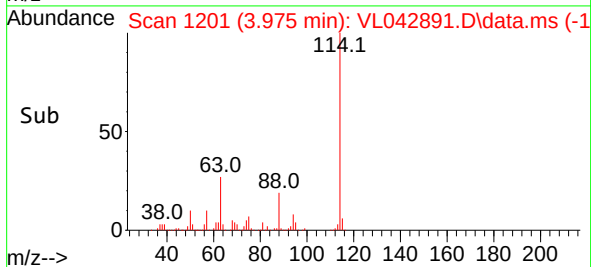
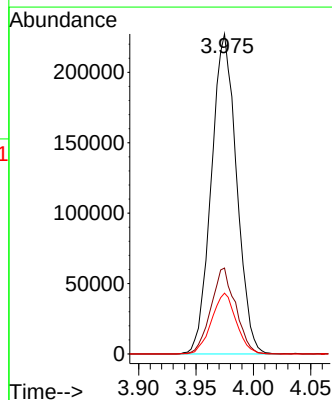
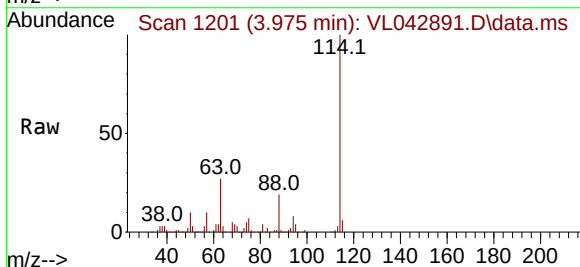
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

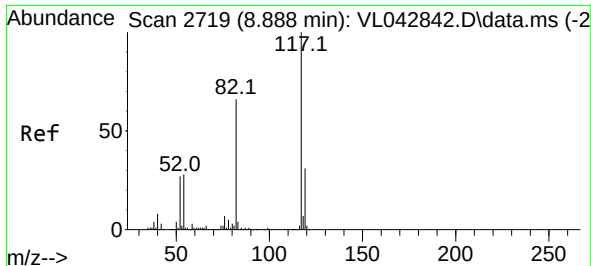
Tgt Ion: 84	Resp: 2311		
Ion	Ratio	Lower	Upper
84	100		
49	146.8	112.3	168.5
51	50.1	36.0	54.0
86	56.4	52.0	78.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. 0.010 min
Lab File: VL042891.D
Acq: 04 Sep 2025 15:36

Tgt Ion:114	Resp: 347782
Ion Ratio	Lower Upper
114 100	
63 26.2	19.7 29.5
88 18.6	14.4 21.6

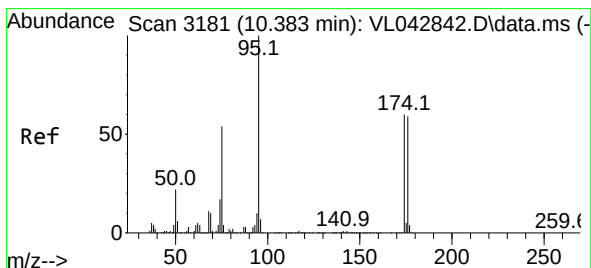
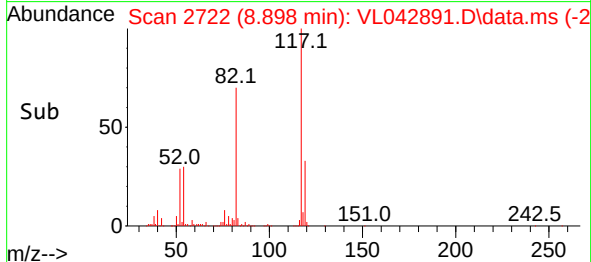
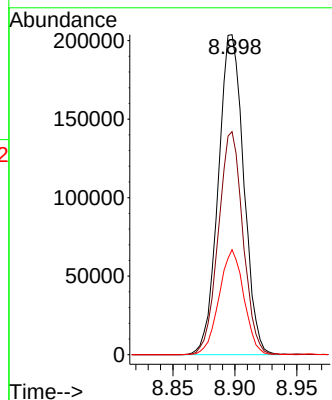
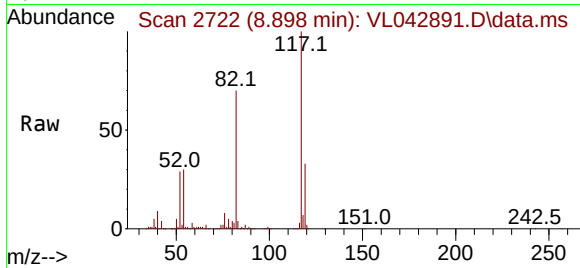




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL042891.D
Acq: 04 Sep 2025 15:36

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion:117 Resp: 291497
Ion Ratio Lower Upper
117 100
82 67.6 54.6 81.8
119 32.2 25.9 38.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.139 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. 0.006 min
Lab File: VL042891.D
Acq: 04 Sep 2025 15:36

Tgt Ion: 95 Resp: 221649
Ion Ratio Lower Upper
95 100
174 55.1 48.4 72.6
175 4.1 3.8 5.8

