

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL080725\
 Data File : VL042827.D
 Acq On : 07 Aug 2025 11:01
 Operator : SY/MD
 Sample : VIBLK
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Aug 08 01:15:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Thu Jul 24 05:24:41 2025
 Response via : Initial Calibration

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

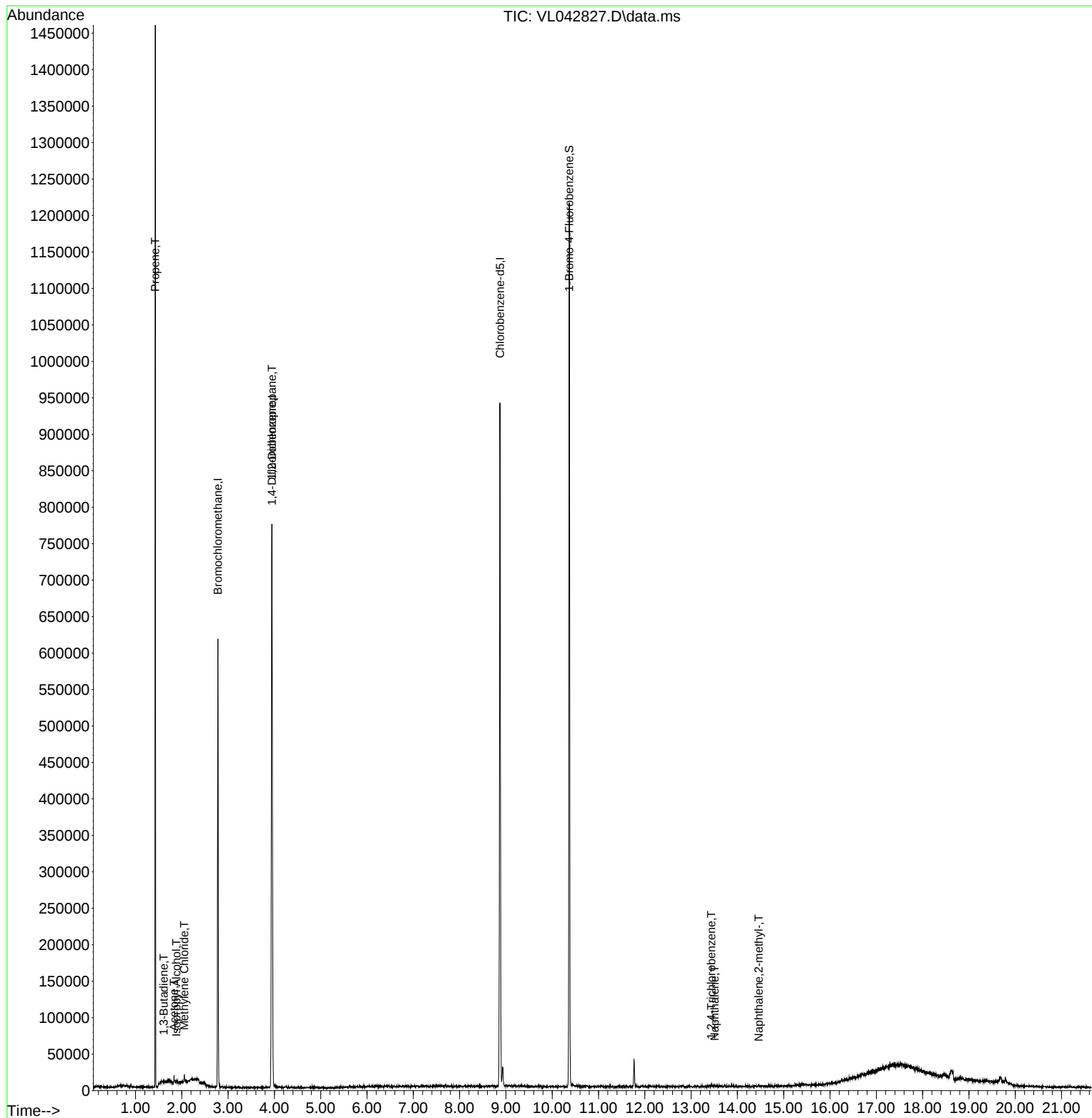
Internal Standards						
1) Bromochloromethane	2.780	49	166243	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	437962	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	367937	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	277605	9.527	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.300%
Target Compounds						
					Qvalue	
9) Propene	1.424	41	367	0.035	ppbv	100
13) Ethanol	1.686	45	309	Below Cal	#	2
15) Acetone	1.832	43	3070	0.134	ppbv	# 77
16) 1,3-Butadiene	1.612	39	351	0.036	ppbv	# 16
19) Isopropyl Alcohol	1.881	45	853	0.070	ppbv	# 1
20) Methylene Chloride	2.055	84	1638	0.226	ppbv	# 84
39) 1,2-Dichloropropane	3.946	63	114962	7.503	ppbv	# 19
79) Naphthalene	13.507	128	589	0.446	ppbv	# 34
80) Naphthalene,2-methyl-	14.458	142	407	1.142	ppbv	# 83
81) 1,2,4-Trichlorobenzene	13.435	180	430	0.448	ppbv	# 89

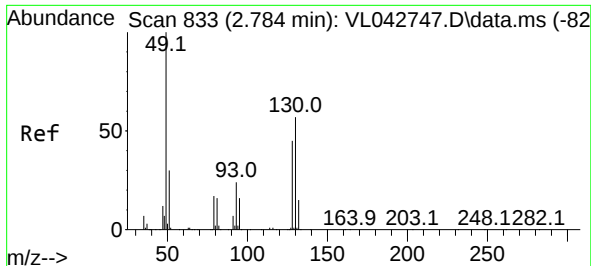
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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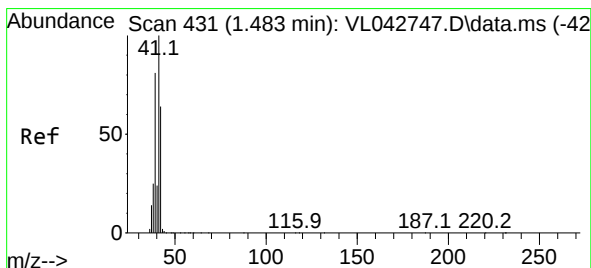
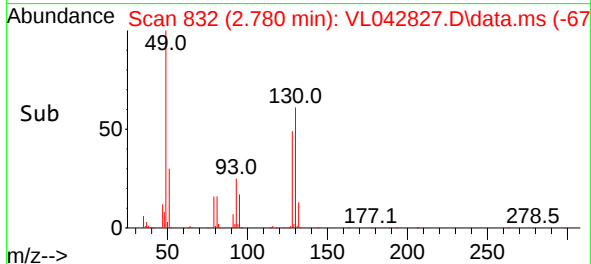
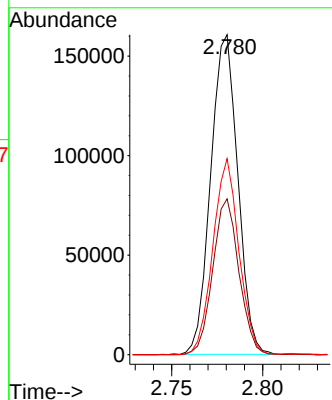
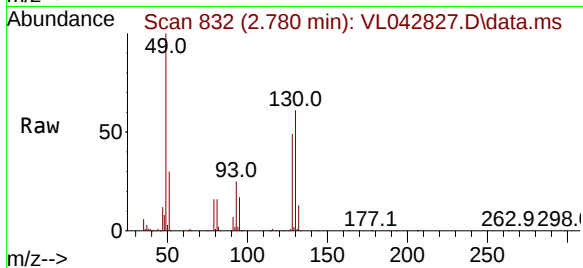




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 81
Delta R.T. -0.004 min
Lab File: VL042827.D
Acq: 07 Aug 2025 11:01

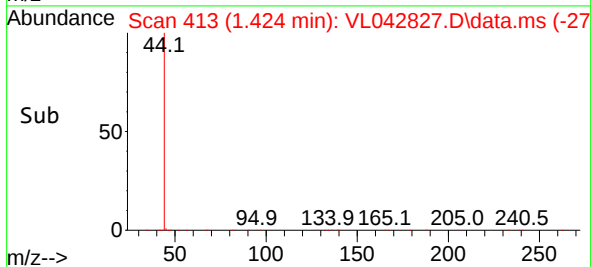
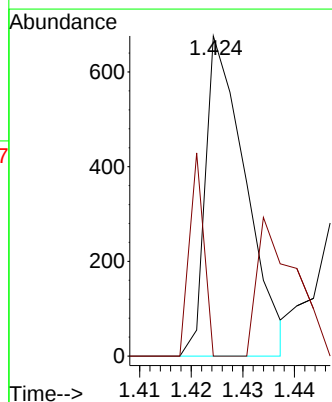
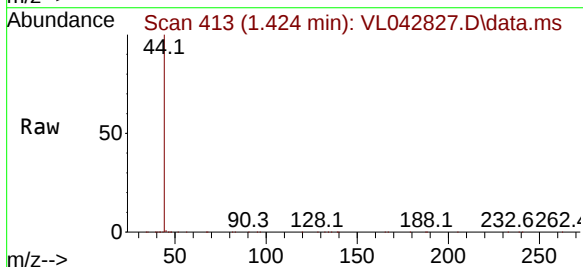
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

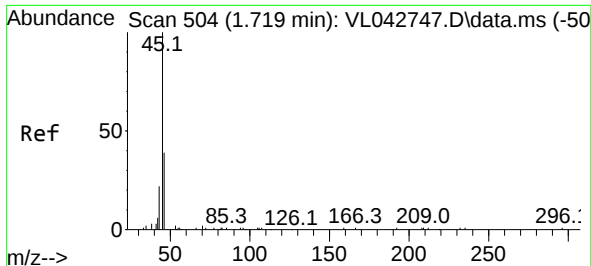
Tgt Ion: 49 Resp: 166243
Ion Ratio Lower Upper
49 100
128 47.1 23.6 71.0
130 58.9 30.3 90.8



#9
Propene
Concen: 0.035 ppbv
RT: 1.424 min Scan# 413
Delta R.T. -0.058 min
Lab File: VL042827.D
Acq: 07 Aug 2025 11:01

Tgt Ion: 41 Resp: 367
Ion Ratio Lower Upper
41 100
42 66.2 53.2 79.8

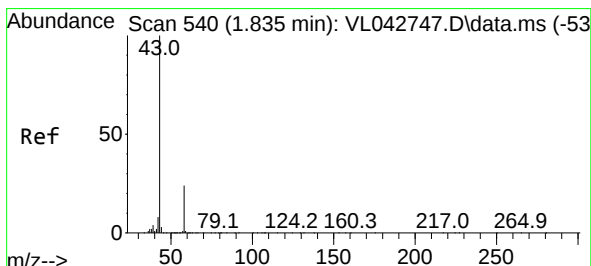
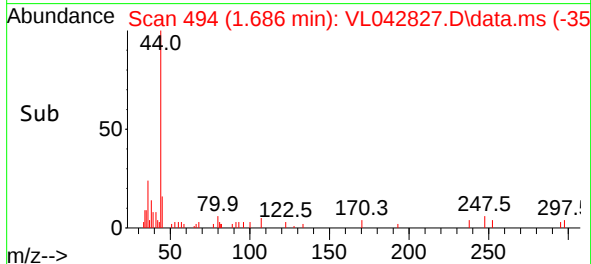
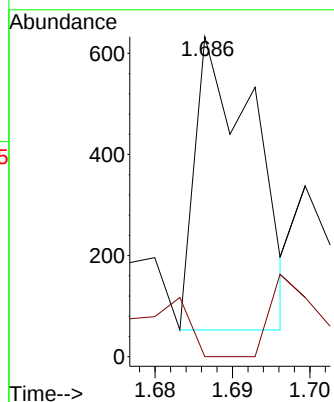
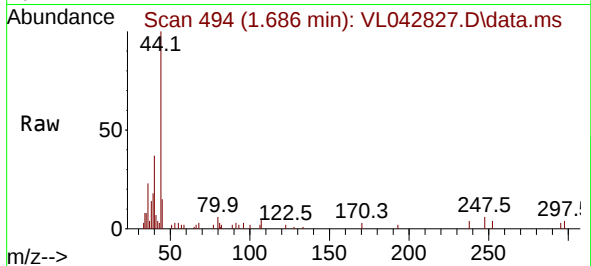




#13
 Ethanol
 Concen: Below Cal
 RT: 1.686 min Scan# 494
 Delta R.T. -0.033 min
 Lab File: VL042827.D
 Acq: 07 Aug 2025 11:01

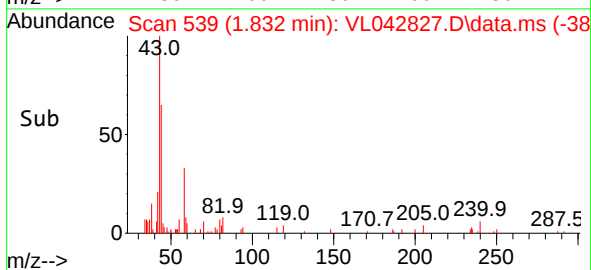
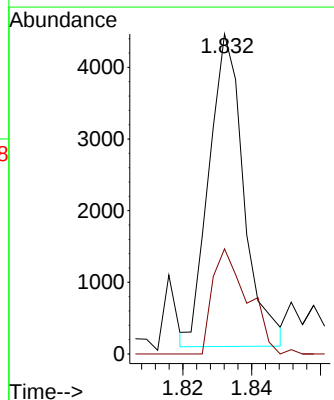
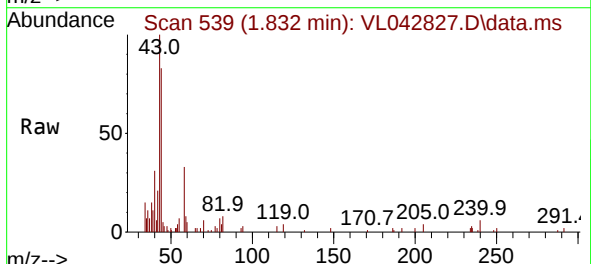
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

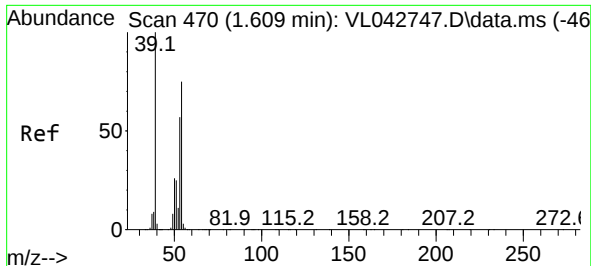
Tgt Ion: 45 Resp: 309
 Ion Ratio Lower Upper
 45 100
 46 108.1 17.8 71.4#



#15
 Acetone
 Concen: 0.134 ppbv
 RT: 1.832 min Scan# 539
 Delta R.T. -0.003 min
 Lab File: VL042827.D
 Acq: 07 Aug 2025 11:01

Tgt Ion: 43 Resp: 3070
 Ion Ratio Lower Upper
 43 100
 58 36.5 19.8 29.8#

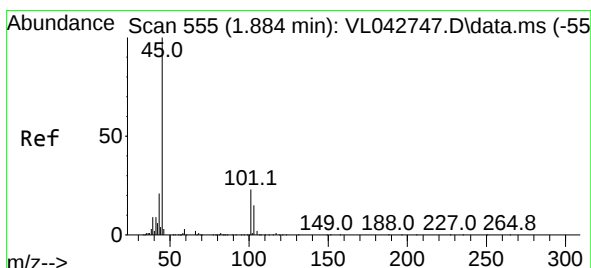
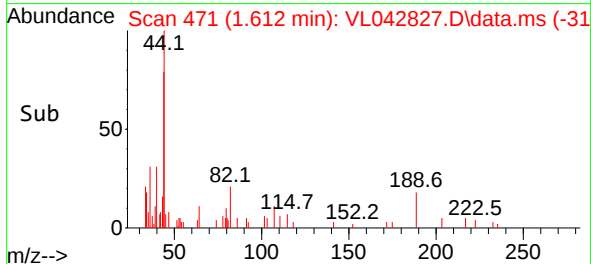
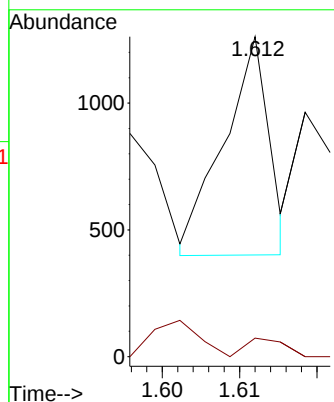
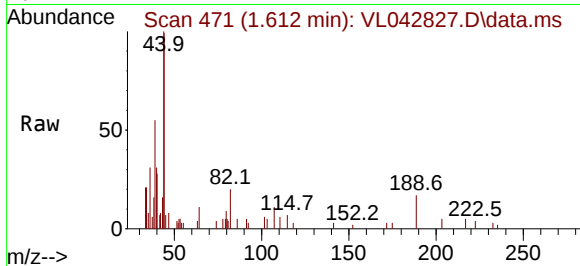




#16
1,3-Butadiene
Concen: 0.036 ppbv
RT: 1.612 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL042827.D
Acq: 07 Aug 2025 11:01

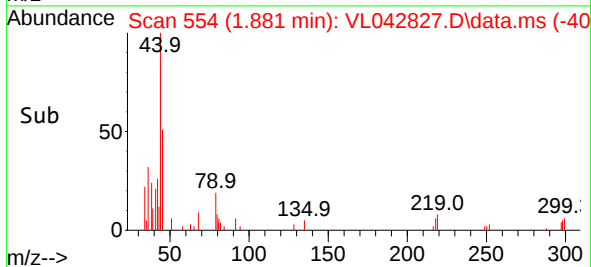
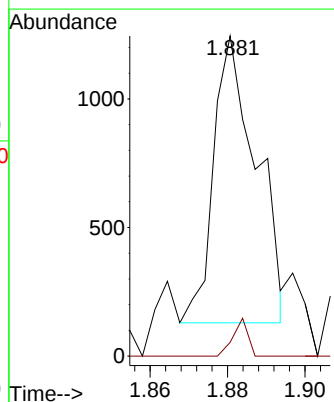
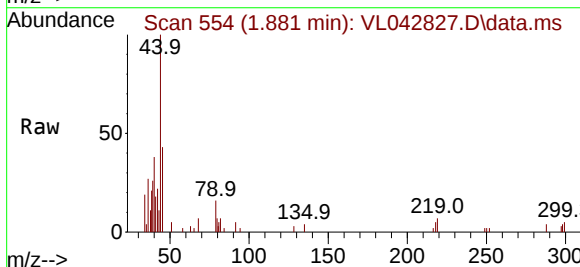
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

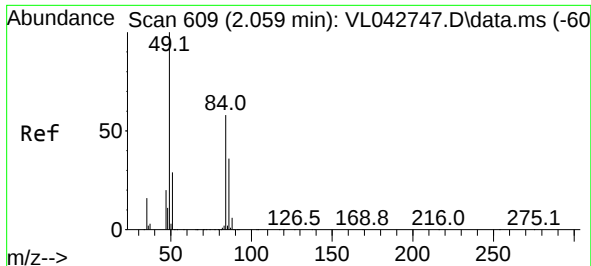
Tgt Ion: 39 Resp: 351
Ion Ratio Lower Upper
39 100
54 0.0 54.5 81.7#



#19
Isopropyl Alcohol
Concen: 0.070 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.003 min
Lab File: VL042827.D
Acq: 07 Aug 2025 11:01

Tgt Ion: 45 Resp: 853
Ion Ratio Lower Upper
45 100
58 131.3 30.0 45.0#

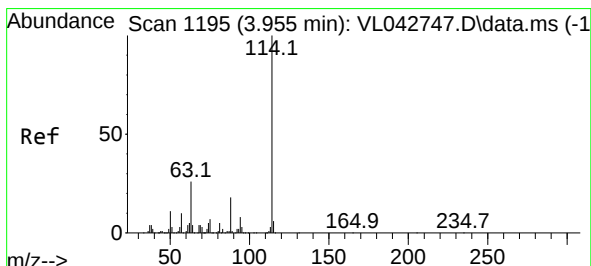
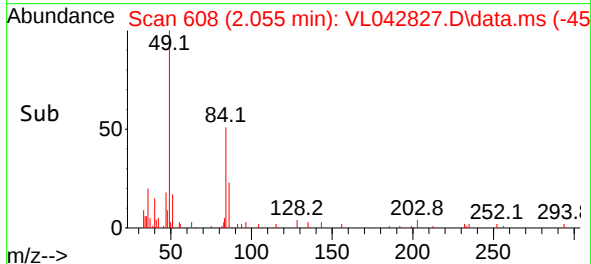
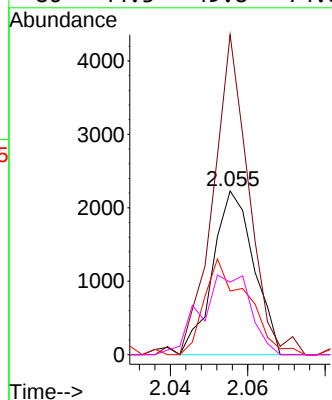
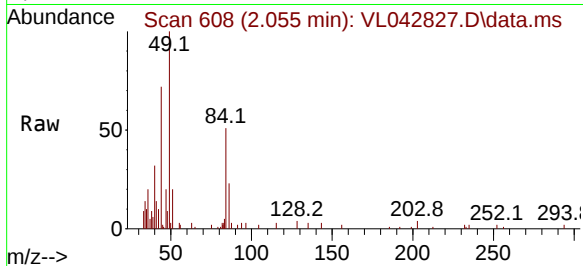




#20
Methylene Chloride
Concen: 0.226 ppbv
RT: 2.055 min Scan# 609
Delta R.T. -0.003 min
Lab File: VL042827.D
Acq: 07 Aug 2025 11:01

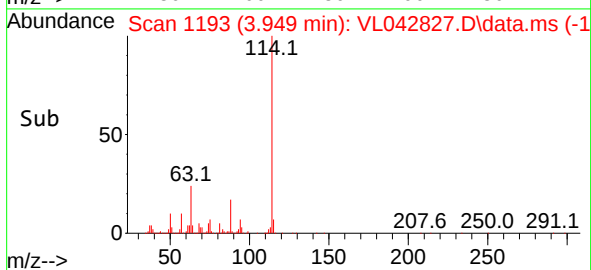
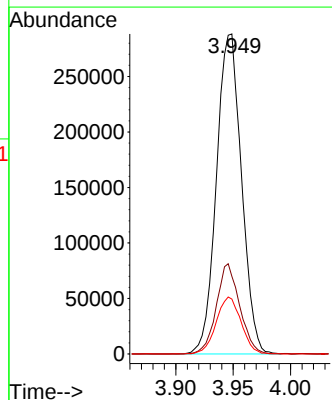
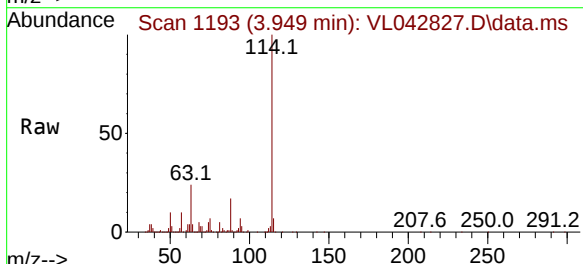
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

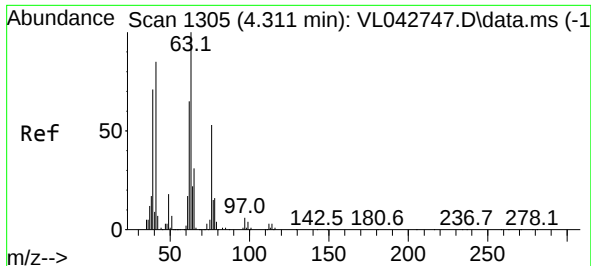
Tgt Ion:	84	Resp:	1638
Ion	Ratio	Lower	Upper
84	100		
49	190.4	138.6	208.0
51	38.9	40.6	61.0#
86	44.3	49.8	74.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. -0.007 min
Lab File: VL042827.D
Acq: 07 Aug 2025 11:01

Tgt Ion:	114	Resp:	437962
Ion	Ratio	Lower	Upper
114	100		
63	26.4	20.5	30.7
88	17.7	14.0	21.0





#39

1,2-Dichloropropane

Concen: 7.503 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.366 min

Lab File: VL042827.D

Acq: 07 Aug 2025 11:01

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

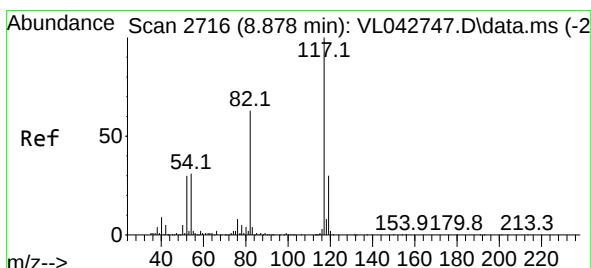
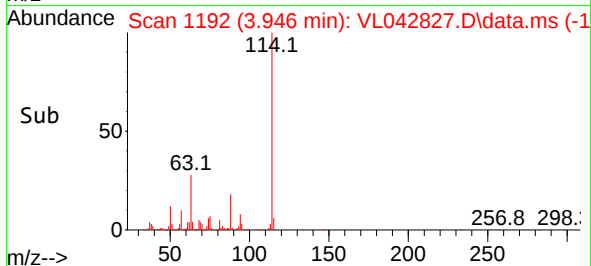
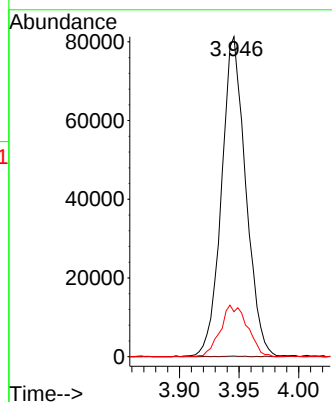
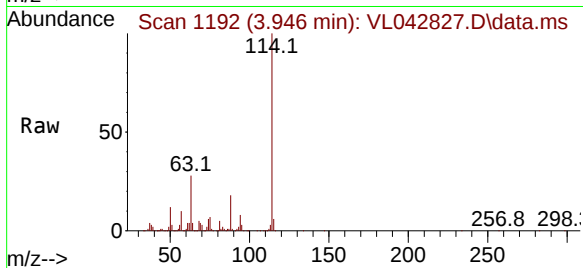
Tgt Ion: 63 Resp: 114962

Ion Ratio Lower Upper

63 100

41 0.2 68.2 102.4#

62 14.0 52.0 78.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.872 min Scan# 2714

Delta R.T. -0.007 min

Lab File: VL042827.D

Acq: 07 Aug 2025 11:01

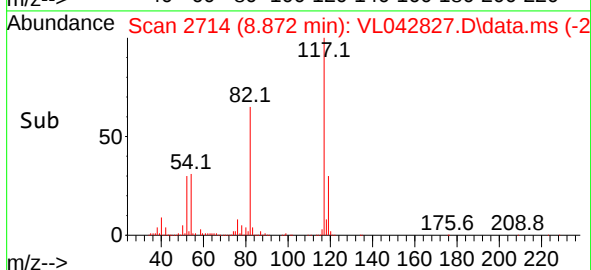
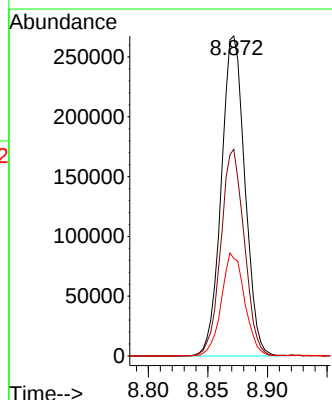
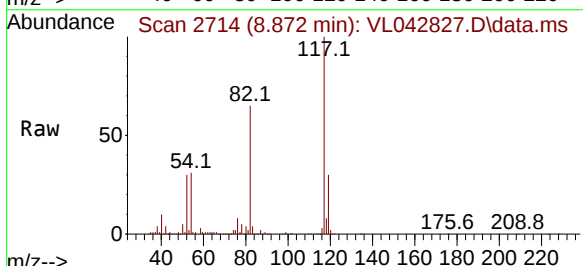
Tgt Ion: 117 Resp: 367937

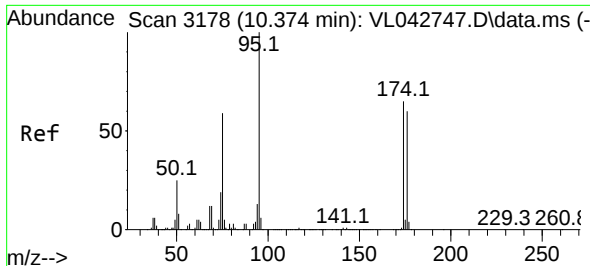
Ion Ratio Lower Upper

117 100

82 64.4 53.3 79.9

119 31.8 25.8 38.6

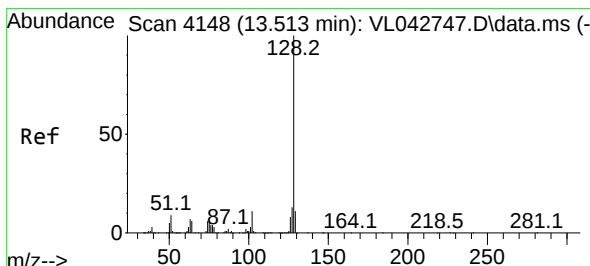
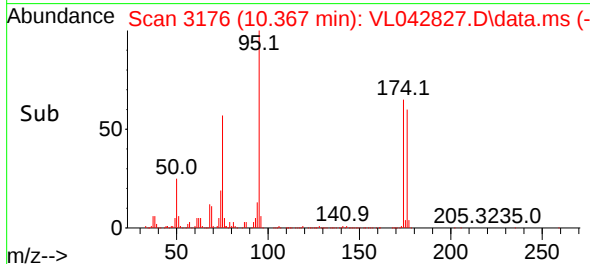
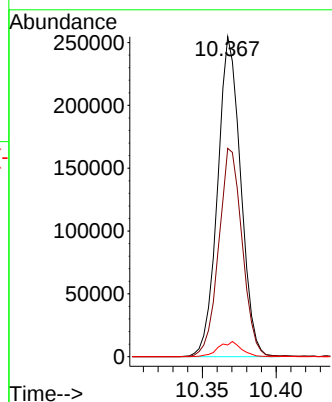
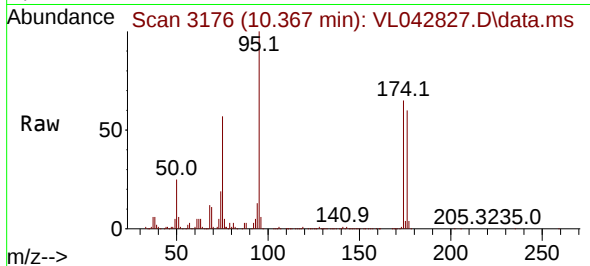




#68
1-Bromo-4-Fluorobenzene
Concen: 9.527 ppbv
RT: 10.367 min Scan# 3176
Delta R.T. -0.007 min
Lab File: VL042827.D
Acq: 07 Aug 2025 11:01

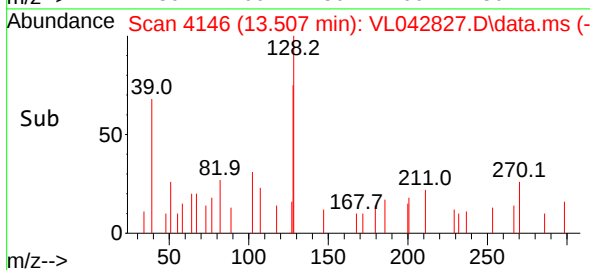
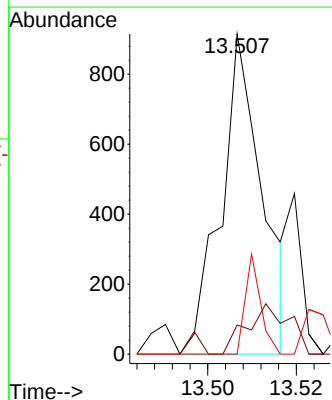
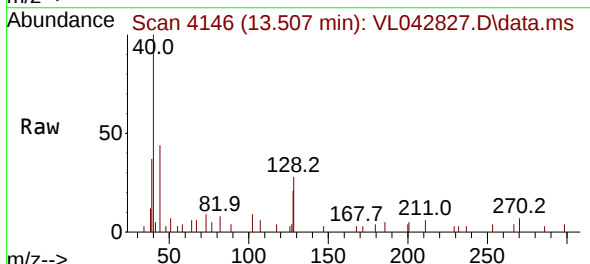
Instrument :
MSVOA_L
ClientSampleId :
VIBLK

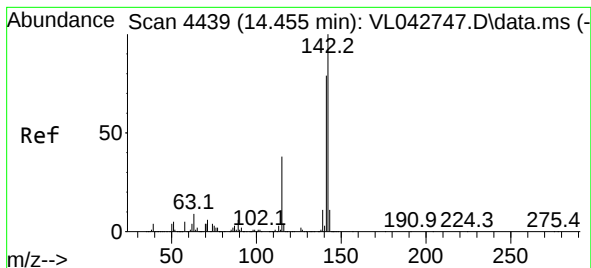
Tgt Ion: 95 Resp: 277605
Ion Ratio Lower Upper
95 100
174 66.4 53.8 80.6
175 4.8 4.0 6.0



#79
Naphthalene
Concen: 0.446 ppbv
RT: 13.507 min Scan# 4146
Delta R.T. -0.007 min
Lab File: VL042827.D
Acq: 07 Aug 2025 11:01

Tgt Ion: 128 Resp: 589
Ion Ratio Lower Upper
128 100
127 52.0 10.5 15.7#
129 0.0 8.6 13.0#





#80

Naphthalene, 2-methyl-

Concen: 1.142 ppbv

RT: 14.458 min Scan# 4440

Delta R.T. 0.003 min

Lab File: VL042827.D

Acq: 07 Aug 2025 11:01

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

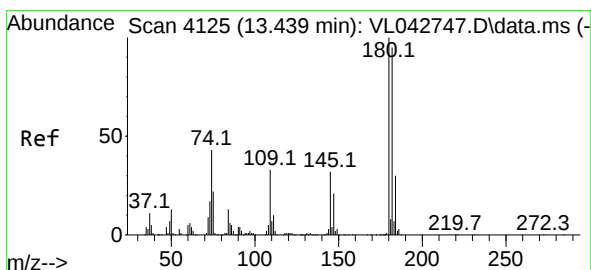
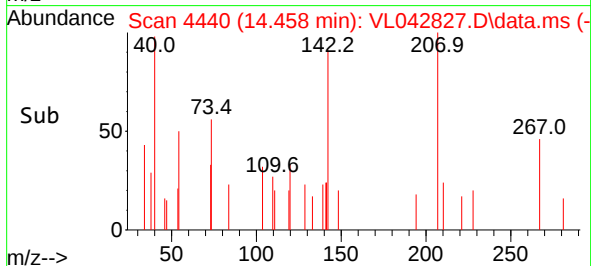
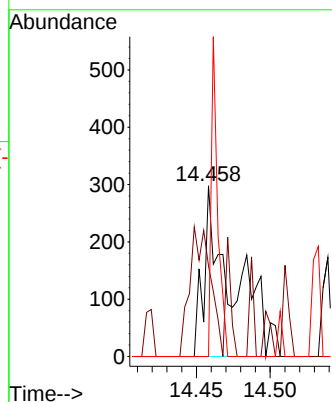
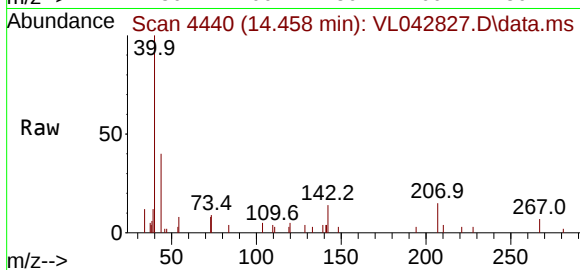
Tgt Ion:142 Resp: 407

Ion Ratio Lower Upper

142 100

141 62.2 65.8 98.8#

115 41.8 31.2 46.8



#81

1,2,4-Trichlorobenzene

Concen: 0.448 ppbv

RT: 13.435 min Scan# 4124

Delta R.T. -0.003 min

Lab File: VL042827.D

Acq: 07 Aug 2025 11:01

Tgt Ion:180 Resp: 430

Ion Ratio Lower Upper

180 100

182 97.0 76.2 114.2

184 52.1 24.8 37.2#

