

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061725\
 Data File : VL042642.D
 Acq On : 17 Jun 2025 10:27
 Operator : SY/MD
 Sample : VL0617ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABL01

Quant Time: Jun 18 04:23:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

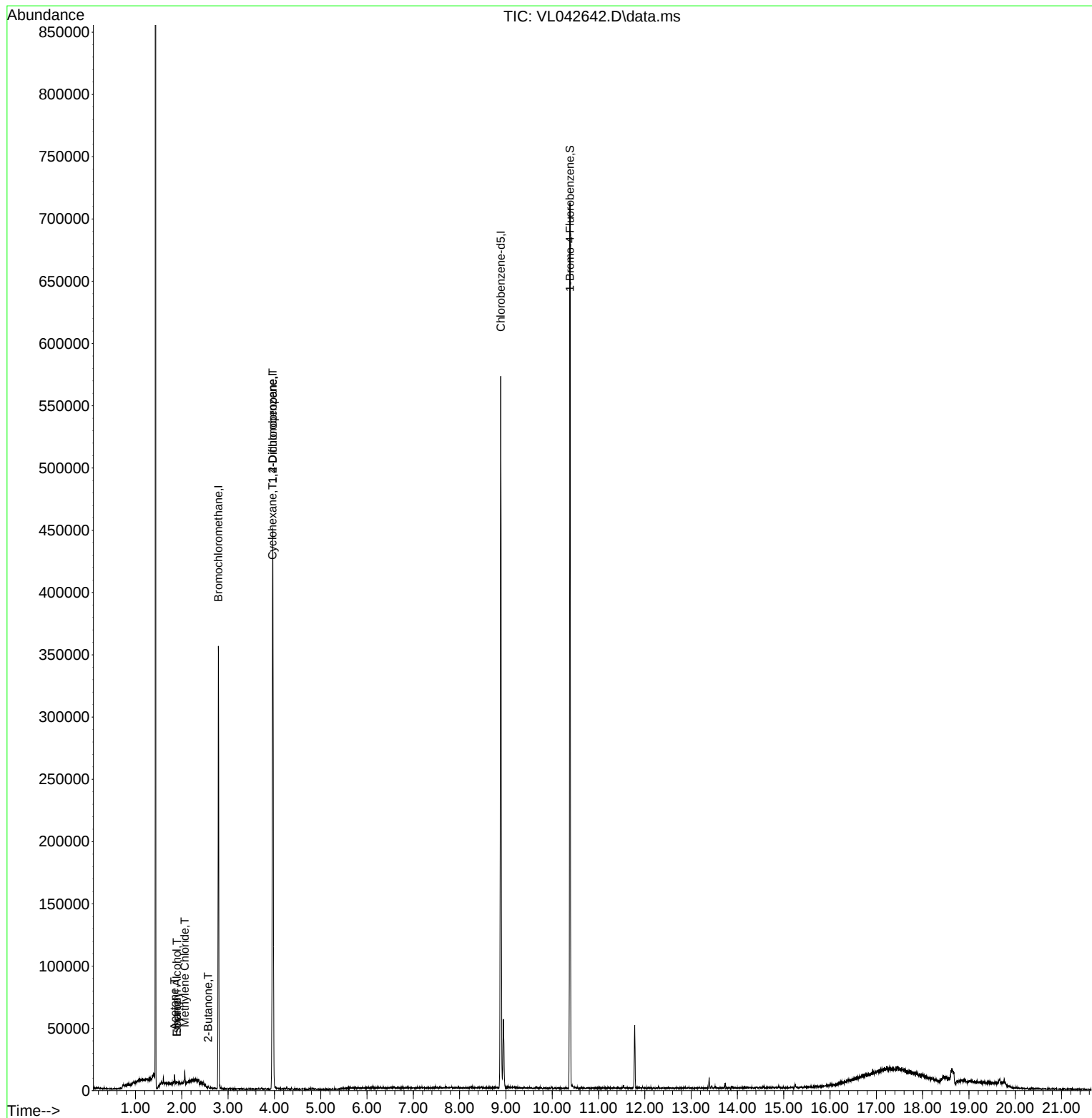
Internal Standards						
1) Bromochloromethane	2.790	49	101803	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	262889	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	227238	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	172423	10.122	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.200%
Target Compounds						
					Qvalue	
13) Ethanol	1.891	45	286	0.346	ppbv #	39
15) Acetone	1.839	43	3031	0.247	ppbv #	85
19) Isopropyl Alcohol	1.891	45	286	0.039	ppbv #	1
20) Methylene Chloride	2.062	84	1230	0.304	ppbv	84
30) Cyclohexane	3.959	84	1076	0.085	ppbv #	1
34) 2-Butanone	2.567	43	982	0.052	ppbv #	86
39) 1,2-Dichloropropane	3.965	63	66710	6.968	ppbv #	22

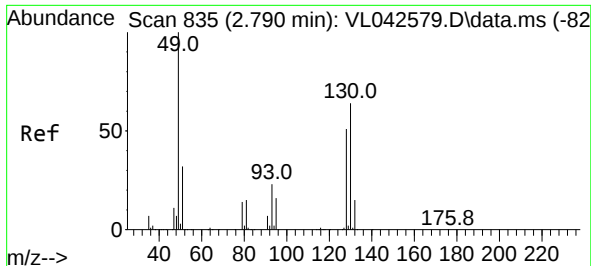
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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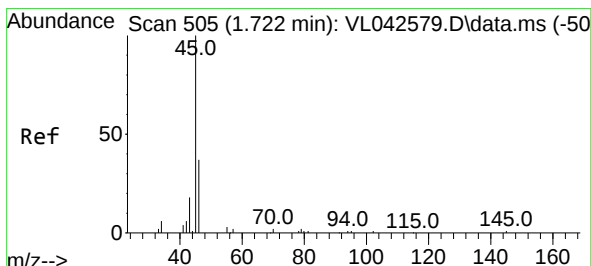
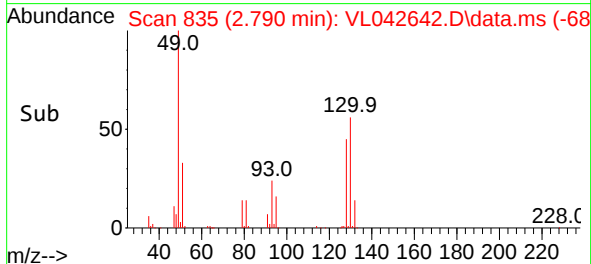
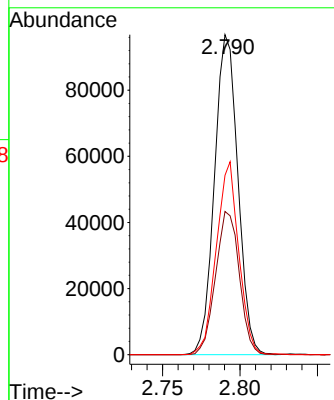
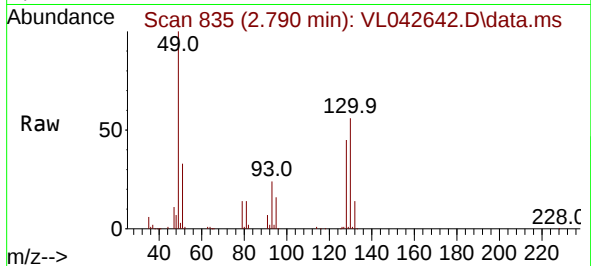




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.000 min
Lab File: VL042642.D
Acq: 17 Jun 2025 10:27

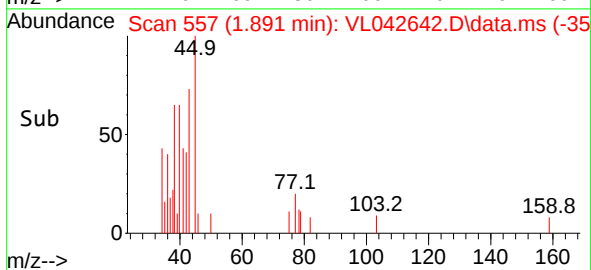
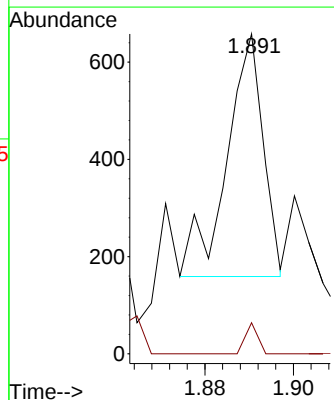
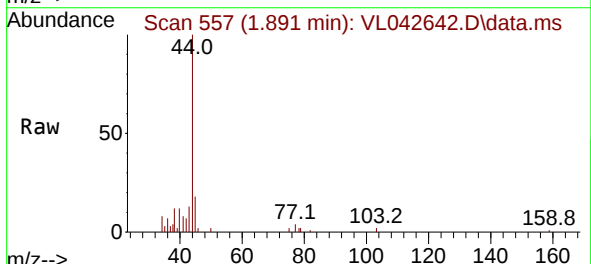
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABL01

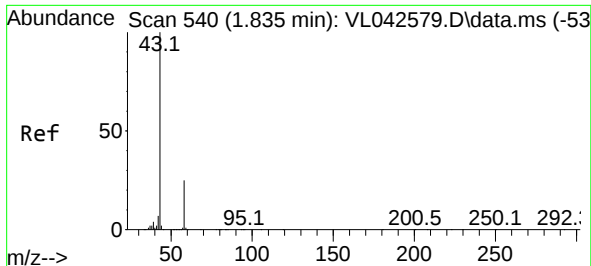
Tgt Ion: 49 Resp: 101803
Ion Ratio Lower Upper
49 100
128 45.4 24.2 72.6
130 57.8 30.4 91.2



#13
Ethanol
Concen: 0.346 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.168 min
Lab File: VL042642.D
Acq: 17 Jun 2025 10:27

Tgt Ion: 45 Resp: 286
Ion Ratio Lower Upper
45 100
46 0.0 14.5 58.1#

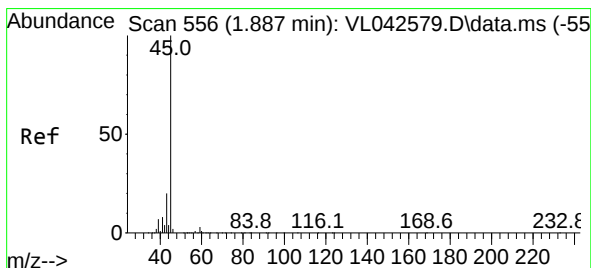
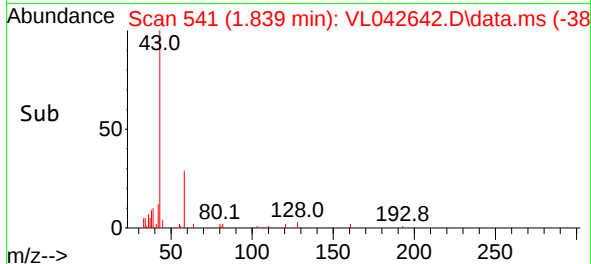
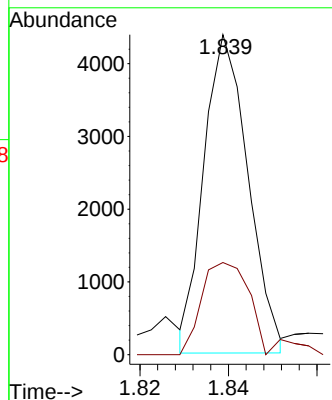
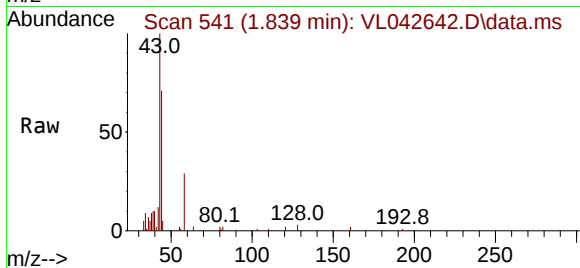




#15
Acetone
Concen: 0.247 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042642.D
Acq: 17 Jun 2025 10:27

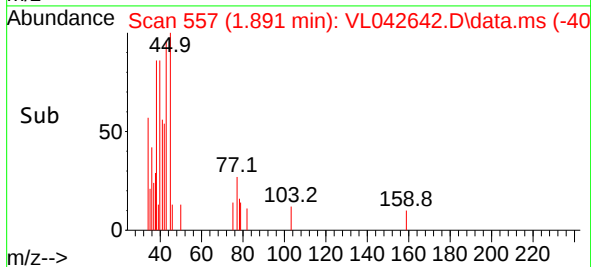
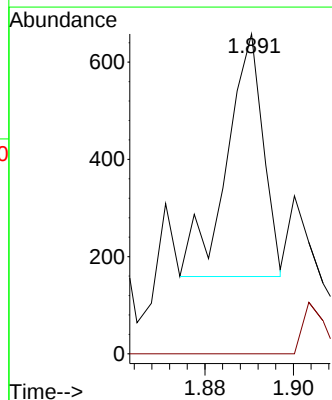
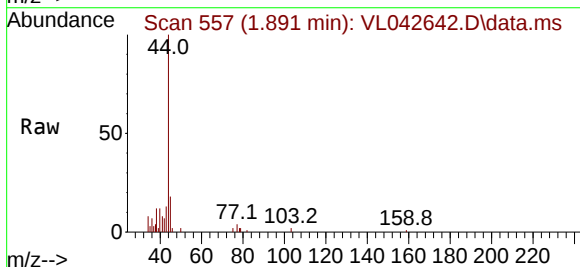
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABL01

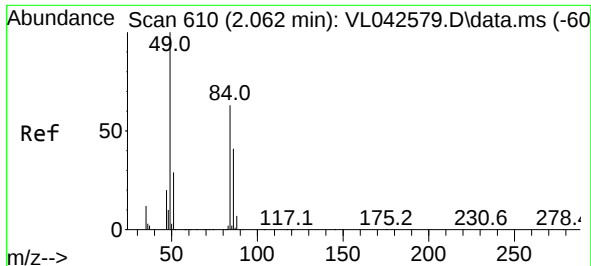
Tgt Ion: 43 Resp: 3031
Ion Ratio Lower Upper
43 100
58 33.9 21.0 31.4#



#19
Isopropyl Alcohol
Concen: 0.039 ppbv
RT: 1.891 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL042642.D
Acq: 17 Jun 2025 10:27

Tgt Ion: 45 Resp: 286
Ion Ratio Lower Upper
45 100
58 359.4 29.4 44.2#

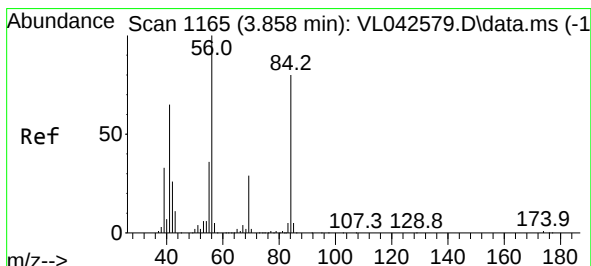
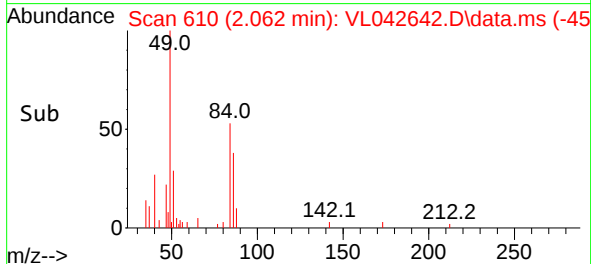
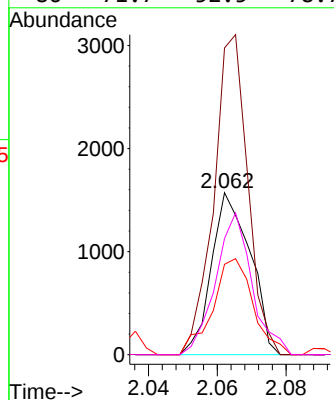
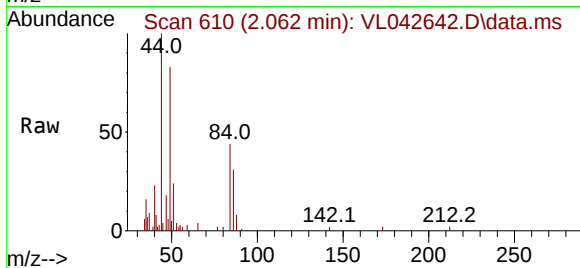




#20
Methylene Chloride
Concen: 0.304 ppbv
RT: 2.062 min Scan# 610
Delta R.T. 0.000 min
Lab File: VL042642.D
Acq: 17 Jun 2025 10:27

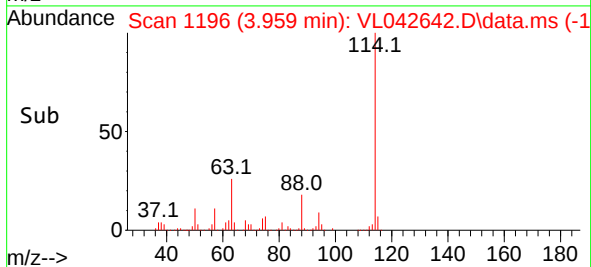
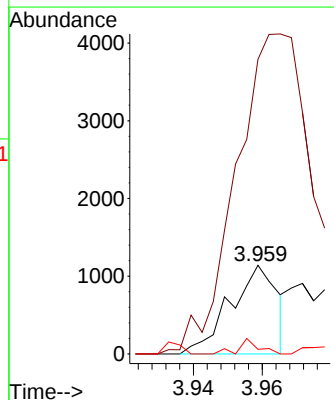
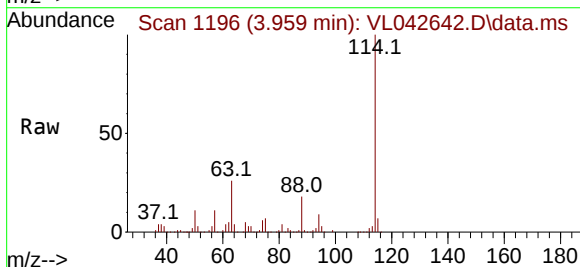
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABL01

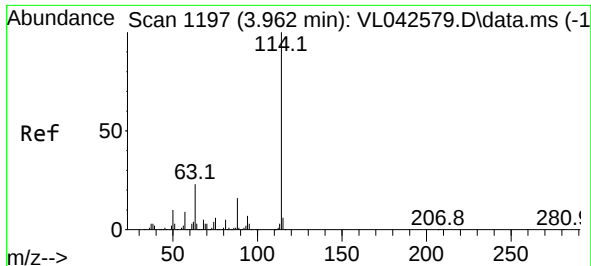
Tgt Ion:	84	Resp:	1230
Ion	Ratio	Lower	Upper
84	100		
49	189.3	128.8	193.2
51	55.8	38.6	57.8
86	71.7	52.5	78.7



#30
Cyclohexane
Concen: 0.085 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.100 min
Lab File: VL042642.D
Acq: 17 Jun 2025 10:27

Tgt Ion:	84	Resp:	1076
Ion	Ratio	Lower	Upper
84	100		
56	611.0	103.7	155.5#
41	6.1	65.1	97.7#

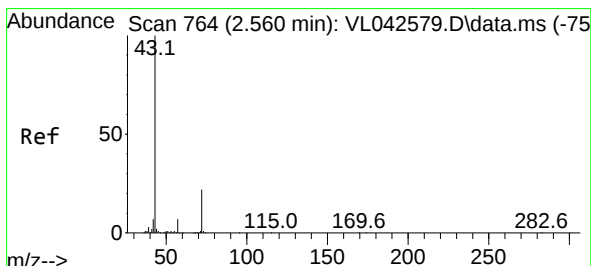
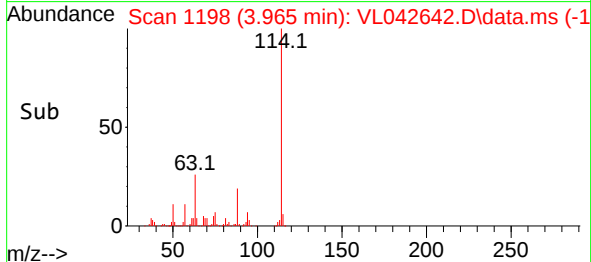
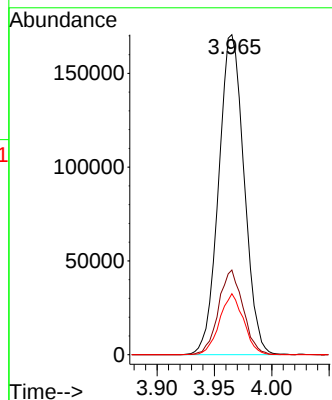
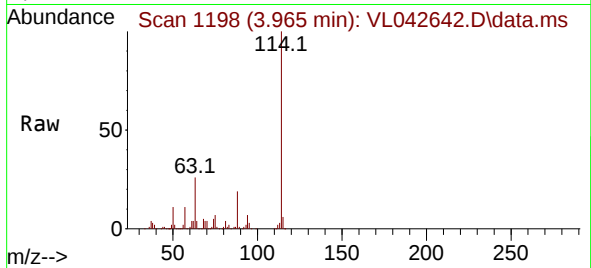




#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.965 min Scan# 1197
Delta R.T. 0.003 min
Lab File: VL042642.D
Acq: 17 Jun 2025 10:27

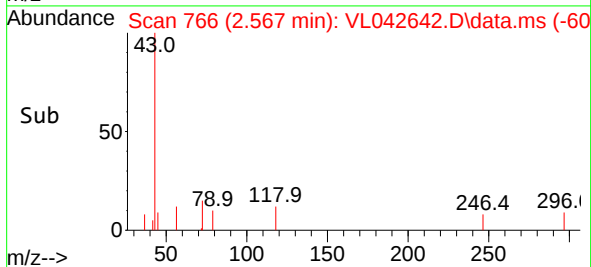
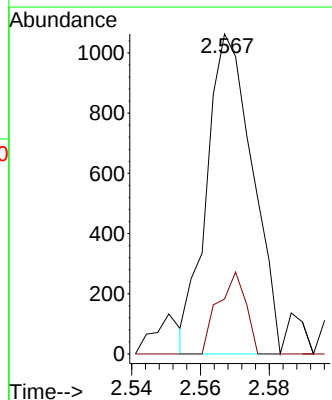
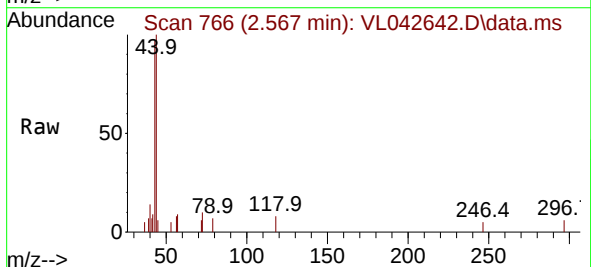
Instrument :
MSVOA_L
ClientSampleId :
VL0617ABL01

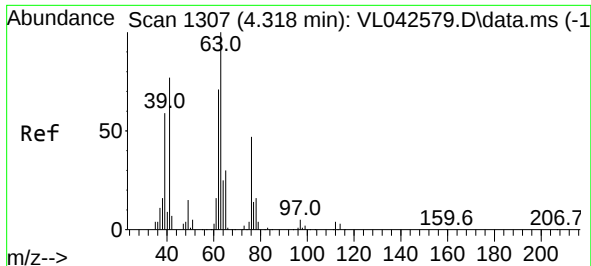
Tgt Ion:114 Resp: 262889
Ion Ratio Lower Upper
114 100
63 25.6 19.0 28.6
88 18.0 13.6 20.4



#34
2-Butanone
Concen: 0.052 ppbv
RT: 2.567 min Scan# 766
Delta R.T. 0.007 min
Lab File: VL042642.D
Acq: 17 Jun 2025 10:27

Tgt Ion: 43 Resp: 982
Ion Ratio Lower Upper
43 100
72 15.5 17.7 26.5#





#39

1,2-Dichloropropane

Concen: 6.968 ppbv

RT: 3.965 min Scan# 1198

Delta R.T. -0.353 min

Lab File: VL042642.D

Acq: 17 Jun 2025 10:27

Instrument :

MSVOA_1

ClientSampleId :

VL0617ABL01

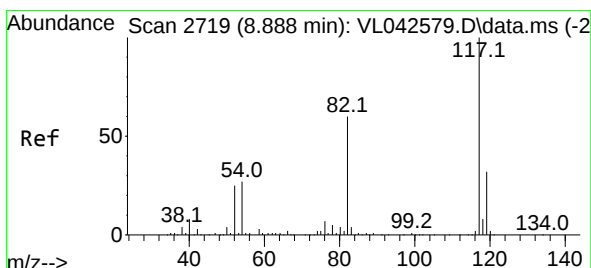
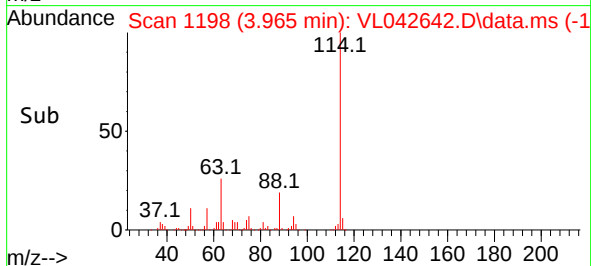
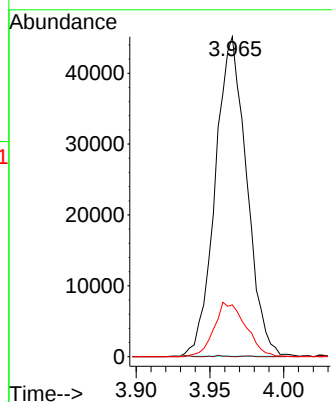
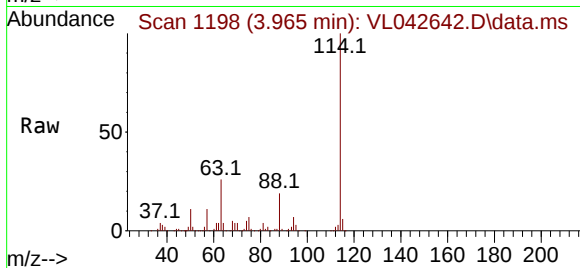
Tgt Ion: 63 Resp: 66710

Ion Ratio Lower Upper

63 100

41 0.0 61.8 92.6#

62 16.2 56.6 85.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.888 min Scan# 2719

Delta R.T. 0.000 min

Lab File: VL042642.D

Acq: 17 Jun 2025 10:27

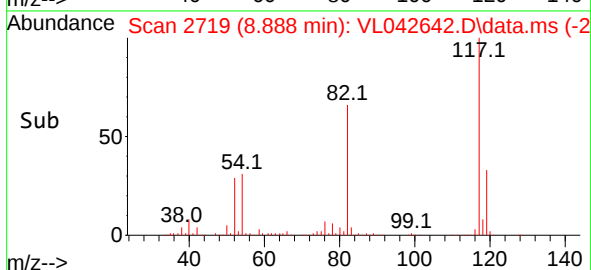
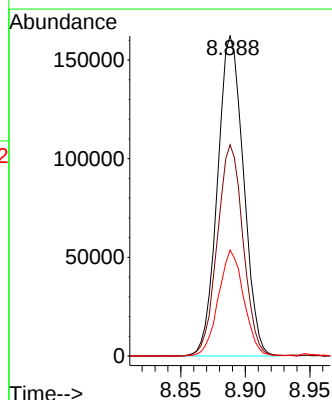
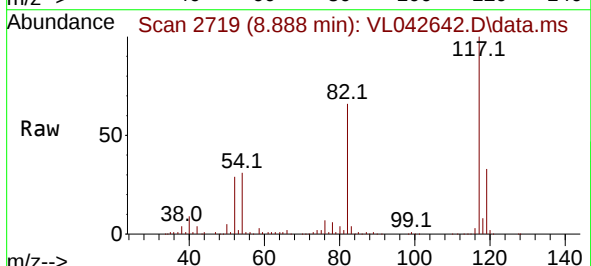
Tgt Ion: 117 Resp: 227238

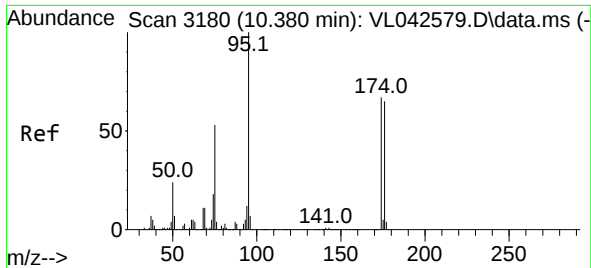
Ion Ratio Lower Upper

117 100

82 65.4 51.2 76.8

119 32.4 26.3 39.5





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.122 ppbv
 RT: 10.383 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VL042642.D
 Acq: 17 Jun 2025 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0617ABL01

Tgt Ion: 95 Resp: 172423
 Ion Ratio Lower Upper
 95 100
 174 62.9 53.1 79.7
 175 4.6 4.2 6.2

