

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050725\
 Data File : VL042510.D
 Acq On : 07 May 2025 10:23
 Operator : SY/MD
 Sample : VL0507ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0507ABL01

Quant Time: May 08 01:22:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL050125AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri May 02 03:16:31 2025
 Response via : Initial Calibration

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

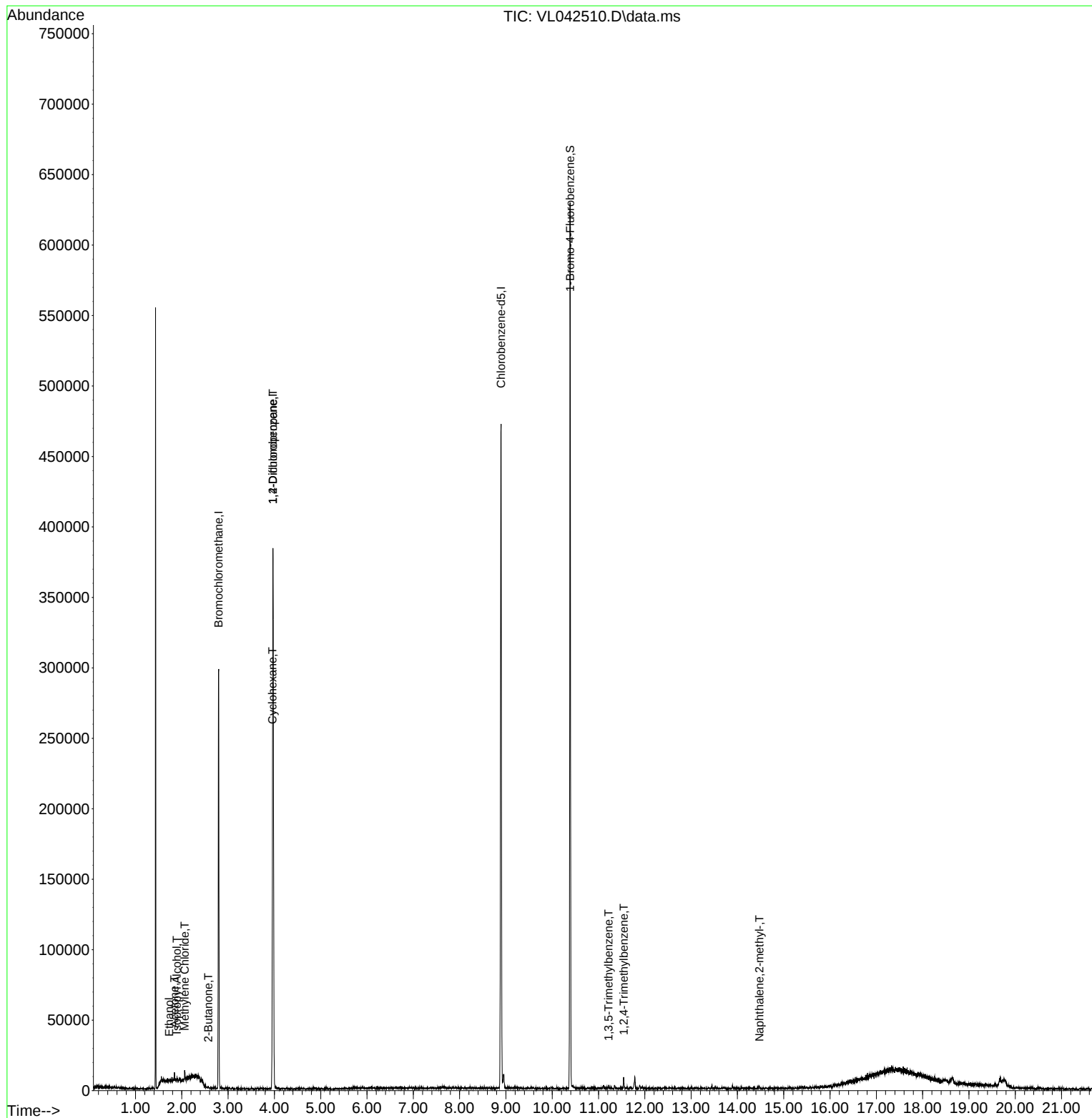
Internal Standards						
1) Bromochloromethane	2.793	49	79817	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.968	114	208633	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.891	117	175649	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	151693	9.315	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.100%
Target Compounds						
					Qvalue	
13) Ethanol	1.729	45	153	0.165	ppbv #	37
15) Acetone	1.842	43	2791	0.192	ppbv #	87
19) Isopropyl Alcohol	1.890	45	600	0.074	ppbv #	94
20) Methylene Chloride	2.065	84	766	0.175	ppbv	97
30) Cyclohexane	3.959	84	703	0.083	ppbv #	1
34) 2-Butanone	2.570	43	496	0.033	ppbv #	74
39) 1,2-Dichloropropane	3.968	63	58460	7.932	ppbv #	24
73) 1,3,5-Trimethylbenzene	11.215	105	1019	0.040	ppbv #	71
74) 1,2,4-Trimethylbenzene	11.545	105	2373	0.077	ppbv #	55
80) Naphthalene,2-methyl-	14.474	142	699	0.036	ppbv	92

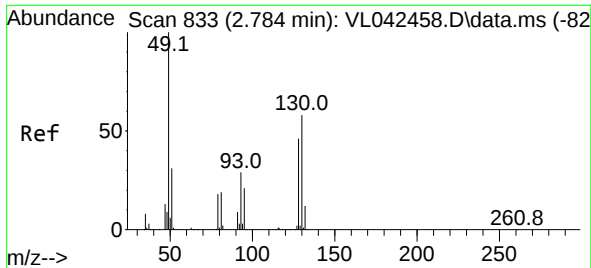
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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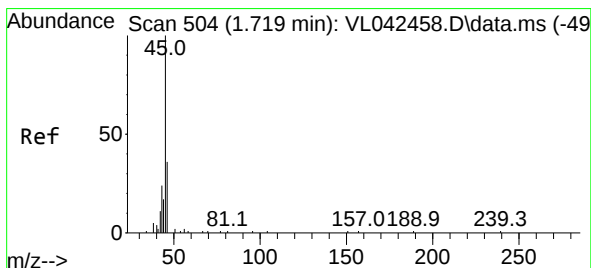
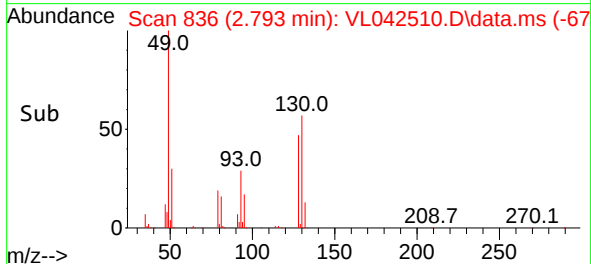
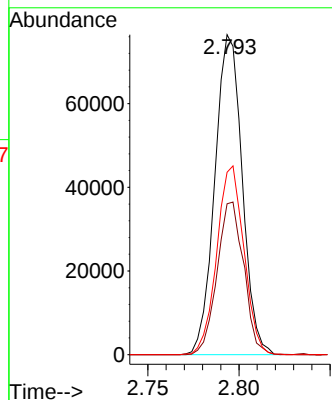
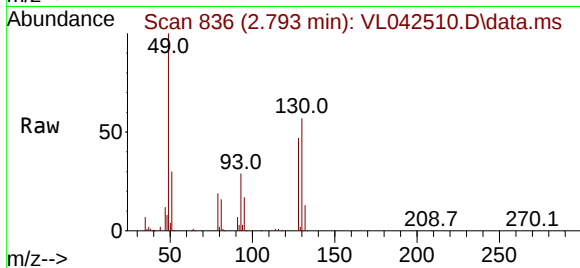




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.793 min Scan# 81
Delta R.T. 0.009 min
Lab File: VL042510.D
Acq: 07 May 2025 10:23

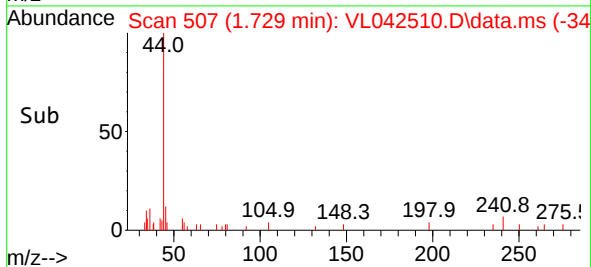
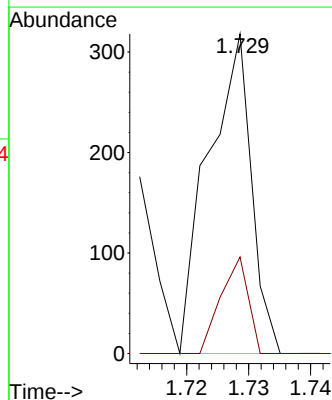
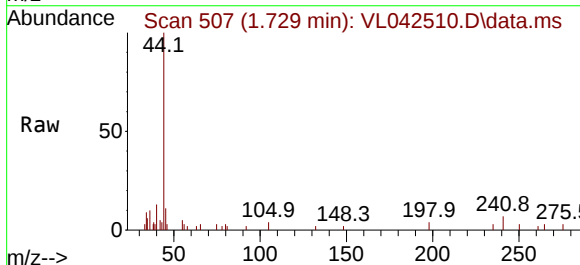
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABL01

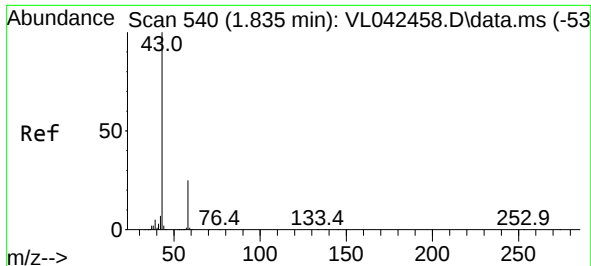
Tgt Ion: 49 Resp: 79817
Ion Ratio Lower Upper
49 100
128 46.5 23.3 69.9
130 58.5 29.5 88.6



#13
Ethanol
Concen: 0.165 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.010 min
Lab File: VL042510.D
Acq: 07 May 2025 10:23

Tgt Ion: 45 Resp: 153
Ion Ratio Lower Upper
45 100
46 0.0 15.3 61.1#





#15

Acetone

Concen: 0.192 ppbv

RT: 1.842 min Scan# 54

Delta R.T. 0.007 min

Lab File: VL042510.D

Acq: 07 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

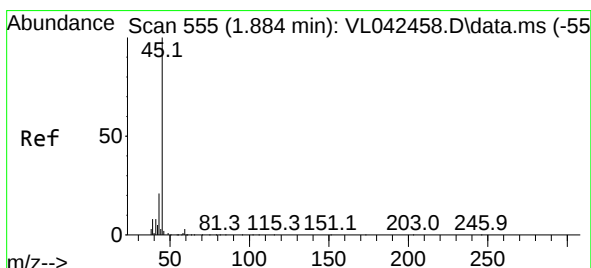
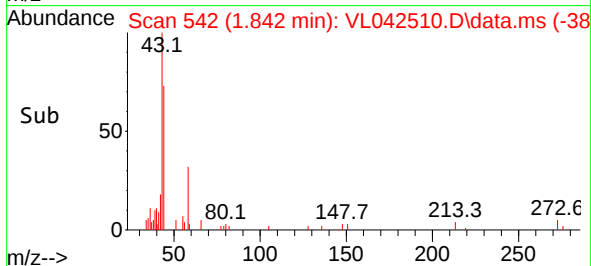
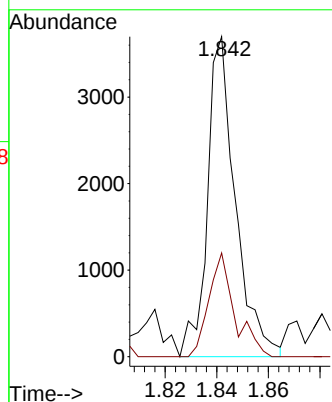
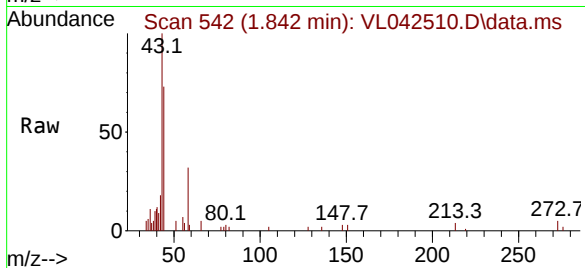
VL0507ABL01

Tgt Ion: 43 Resp: 2791

Ion Ratio Lower Upper

43 100

58 31.2 19.8 29.8#



#19

Isopropyl Alcohol

Concen: 0.074 ppbv

RT: 1.890 min Scan# 557

Delta R.T. 0.007 min

Lab File: VL042510.D

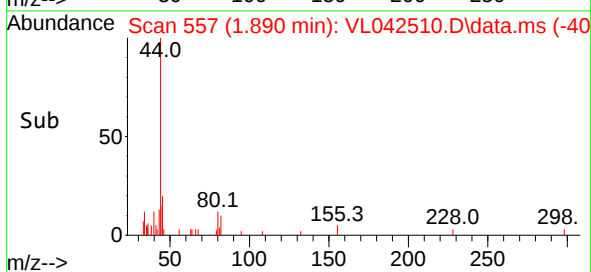
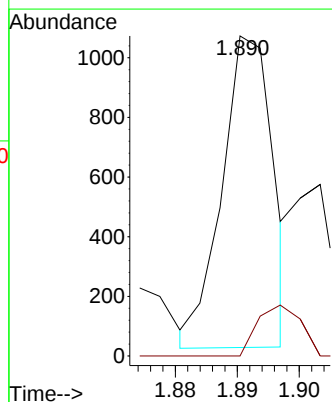
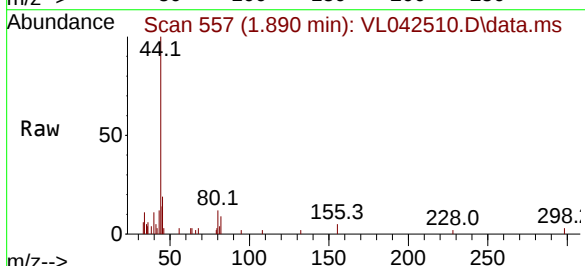
Acq: 07 May 2025 10:23

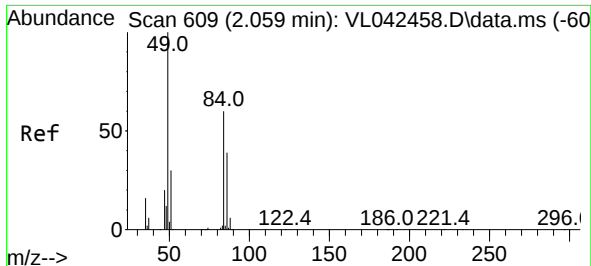
Tgt Ion: 45 Resp: 600

Ion Ratio Lower Upper

45 100

58 0.0 1.6 2.4#

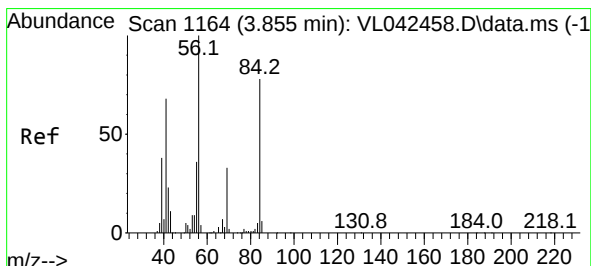
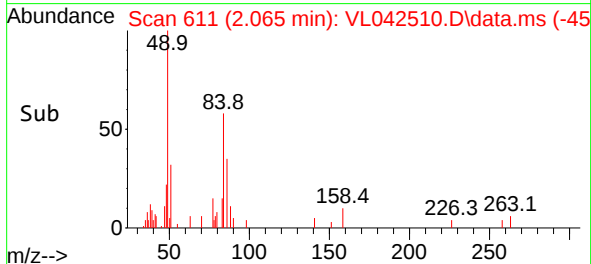
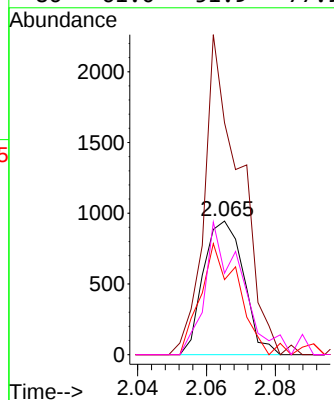
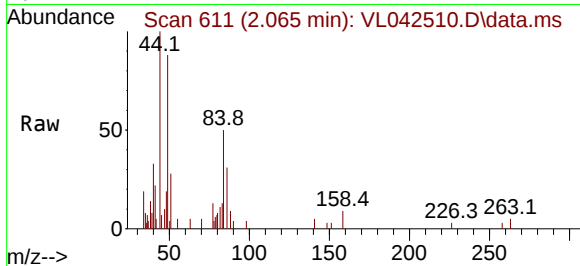




#20
Methylene Chloride
Concen: 0.175 ppbv
RT: 2.065 min Scan# 611
Delta R.T. 0.007 min
Lab File: VL042510.D
Acq: 07 May 2025 10:23

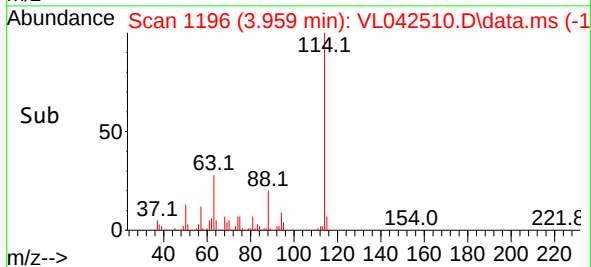
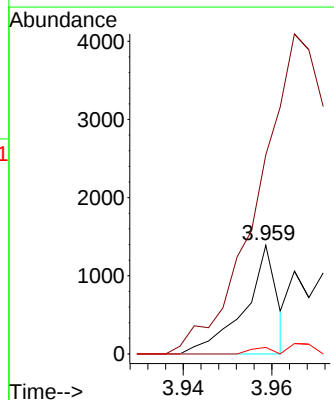
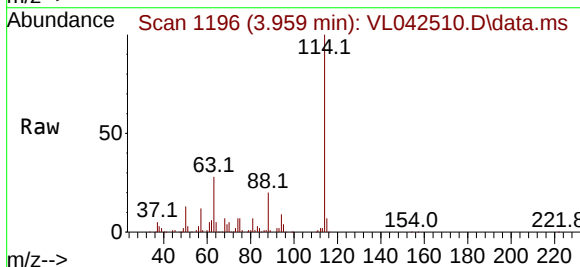
Instrument :
MSVOA_1
ClientSampleId :
VL0507ABL01

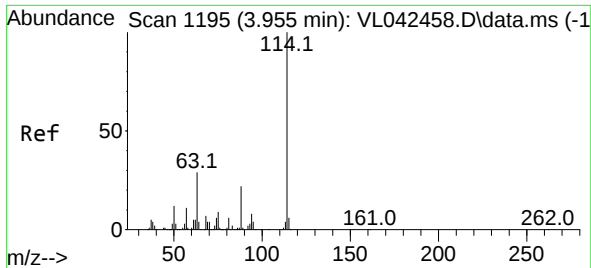
Tgt Ion:	84	Resp:	766
Ion	Ratio	Lower	Upper
84	100		
49	164.9	133.9	200.9
51	56.1	41.0	61.6
86	61.0	51.9	77.9



#30
Cyclohexane
Concen: 0.083 ppbv
RT: 3.959 min Scan# 1196
Delta R.T. 0.104 min
Lab File: VL042510.D
Acq: 07 May 2025 10:23

Tgt Ion:	84	Resp:	703
Ion	Ratio	Lower	Upper
84	100		
56	0.0	98.1	147.1#
41	0.0	65.8	98.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.013 min

Lab File: VL042510.D

Acq: 07 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABL01

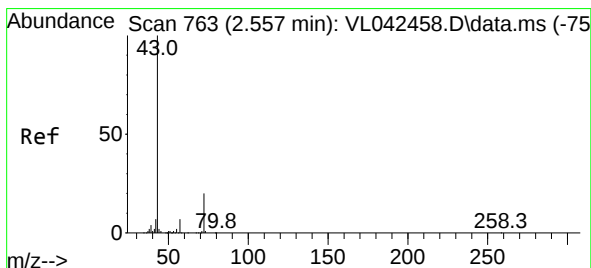
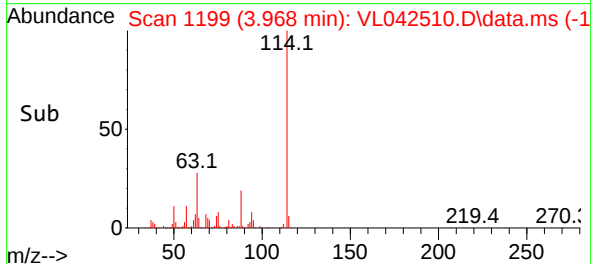
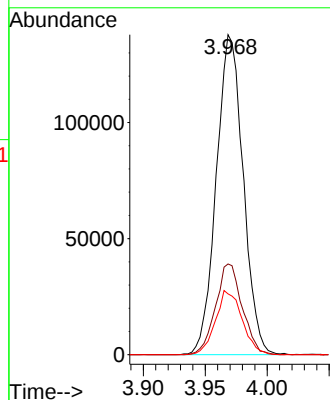
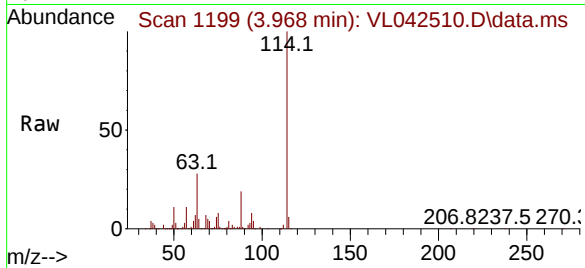
Tgt Ion:114 Resp: 208633

Ion Ratio Lower Upper

114 100

63 28.0 23.1 34.7

88 19.8 16.1 24.1



#34

2-Butanone

Concen: 0.033 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.013 min

Lab File: VL042510.D

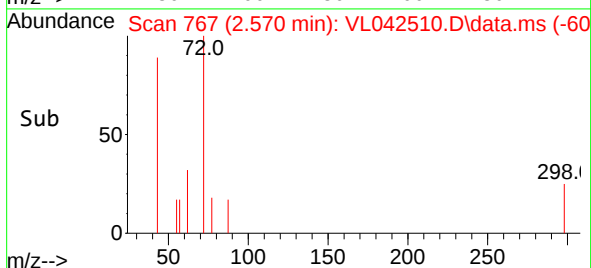
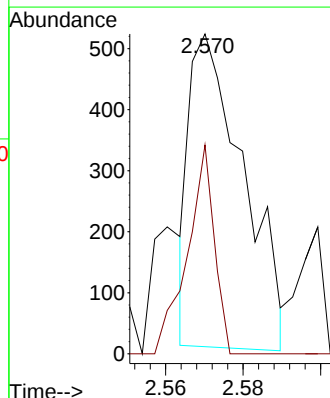
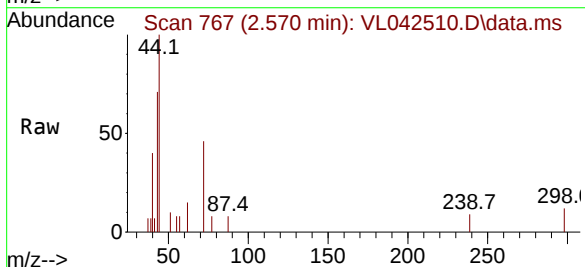
Acq: 07 May 2025 10:23

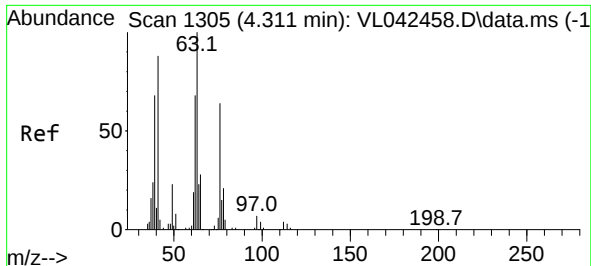
Tgt Ion: 43 Resp: 496

Ion Ratio Lower Upper

43 100

72 33.3 16.7 25.1#





#39

1,2-Dichloropropane

Concen: 7.932 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. -0.343 min

Lab File: VL042510.D

Acq: 07 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABL01

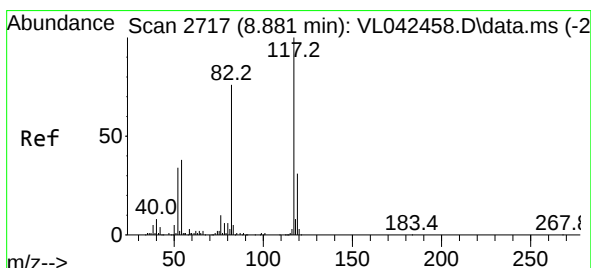
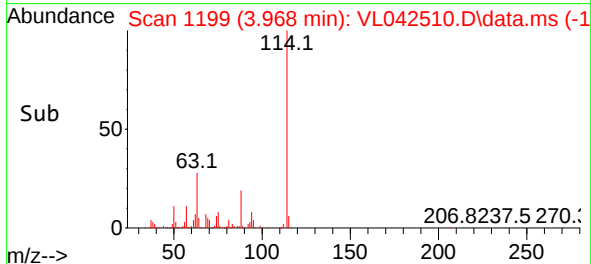
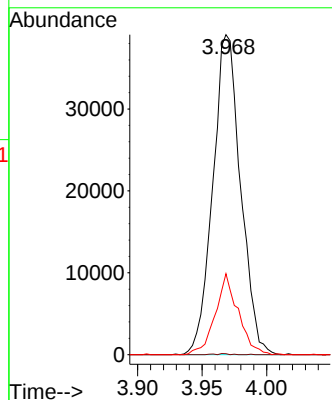
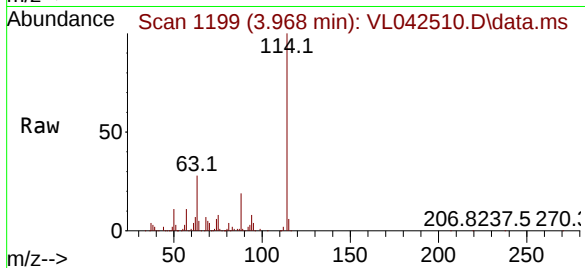
Tgt Ion: 63 Resp: 58460

Ion Ratio Lower Upper

63 100

41 0.3 69.8 104.6#

62 25.3 54.3 81.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.891 min Scan# 2720

Delta R.T. 0.010 min

Lab File: VL042510.D

Acq: 07 May 2025 10:23

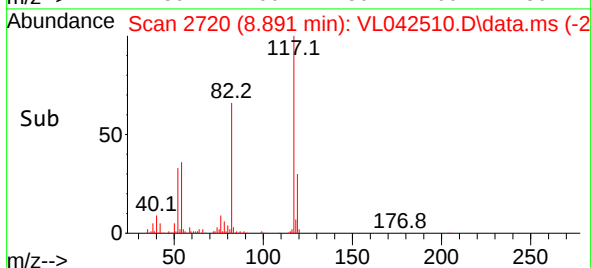
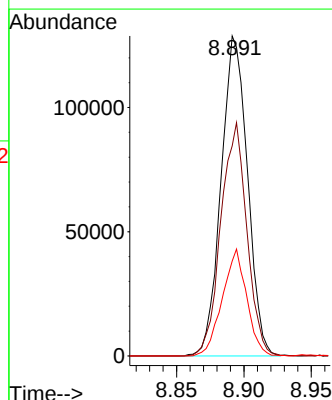
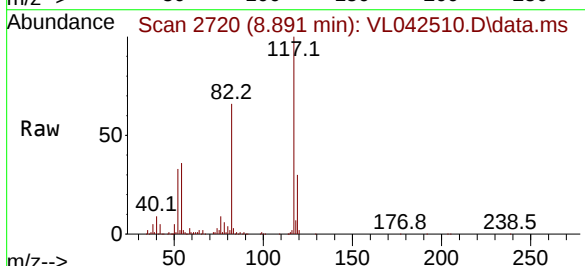
Tgt Ion: 117 Resp: 175649

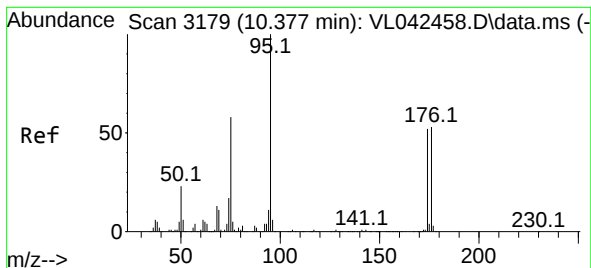
Ion Ratio Lower Upper

117 100

82 71.8 63.5 95.3

119 30.9 25.8 38.8

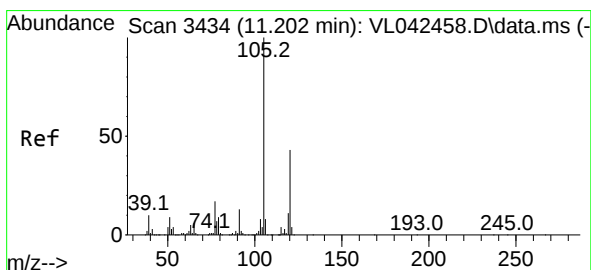
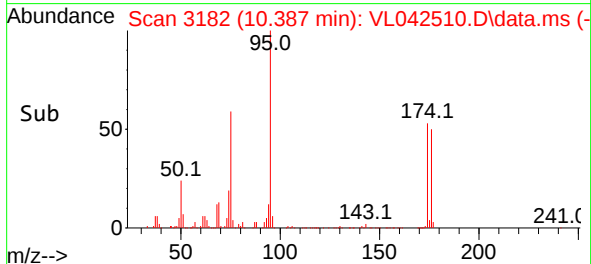
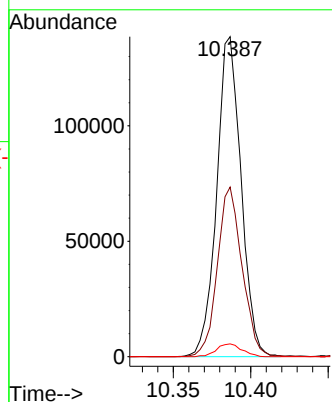
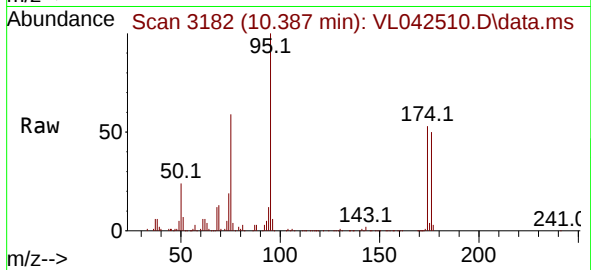




#68
1-Bromo-4-Fluorobenzene
Concen: 9.315 ppbv
RT: 10.387 min Scan# 3179
Delta R.T. 0.010 min
Lab File: VL042510.D
Acq: 07 May 2025 10:23

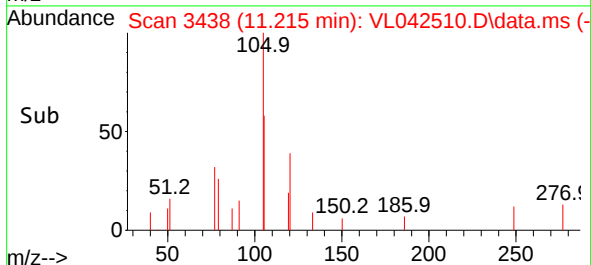
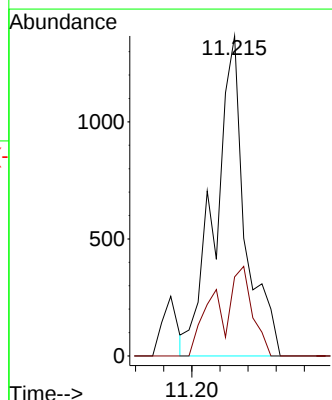
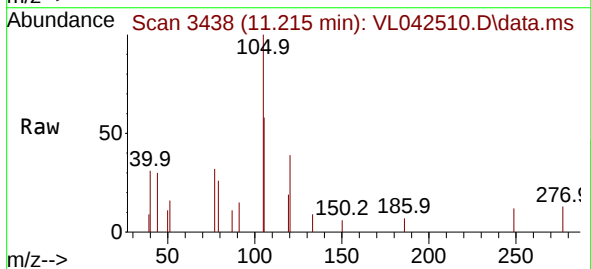
Instrument :
MSVOA_L
ClientSampleId :
VL0507ABL01

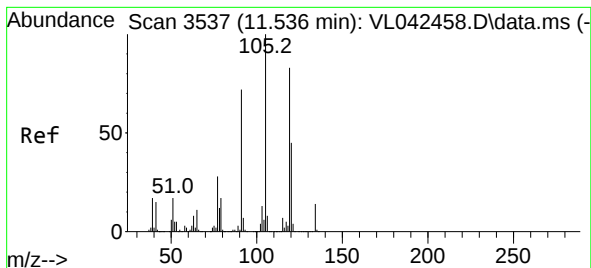
Tgt Ion: 95 Resp: 151693
Ion Ratio Lower Upper
95 100
174 53.8 42.7 64.1
175 4.2 3.6 5.4



#73
1,3,5-Trimethylbenzene
Concen: 0.040 ppbv
RT: 11.215 min Scan# 3438
Delta R.T. 0.013 min
Lab File: VL042510.D
Acq: 07 May 2025 10:23

Tgt Ion: 105 Resp: 1019
Ion Ratio Lower Upper
105 100
120 24.7 34.4 51.6#





#74

1,2,4-Trimethylbenzene

Concen: 0.077 ppbv

RT: 11.545 min Scan# 3540

Delta R.T. 0.010 min

Lab File: VL042510.D

Acq: 07 May 2025 10:23

Instrument :

MSVOA_L

ClientSampleId :

VL0507ABL01

Tgt Ion:105 Resp: 2373

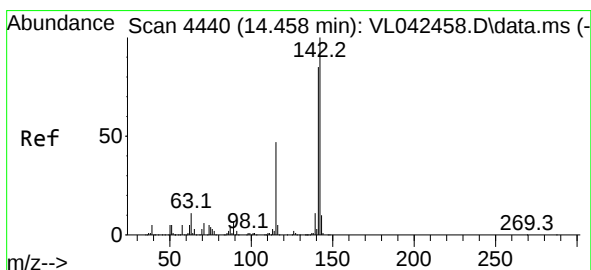
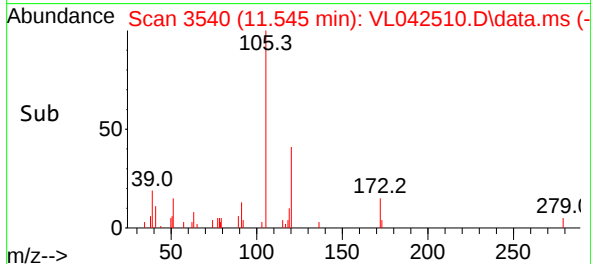
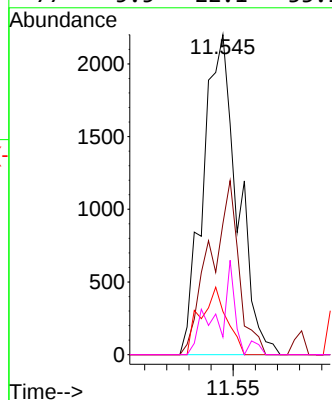
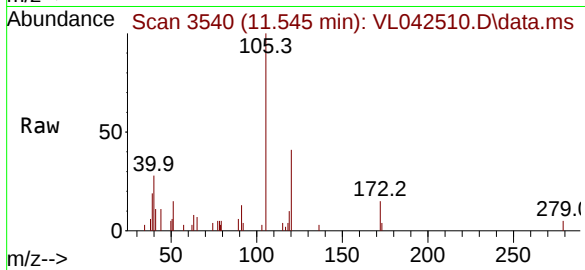
Ion Ratio Lower Upper

105 100

120 41.0 36.1 54.1

91 13.5 57.6 86.4#

77 5.5 22.1 33.1#



#80

Naphthalene,2-methyl-

Concen: 0.036 ppbv

RT: 14.474 min Scan# 4445

Delta R.T. 0.016 min

Lab File: VL042510.D

Acq: 07 May 2025 10:23

Tgt Ion:142 Resp: 699

Ion Ratio Lower Upper

142 100

141 75.8 67.4 101.0

115 50.8 36.9 55.3

