

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112025\
 Data File : VL043258.D
 Acq On : 20 Nov 2025 11:01
 Operator : SY/MD
 Sample : VL1120ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABL01

Quant Time: Nov 21 00:35:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

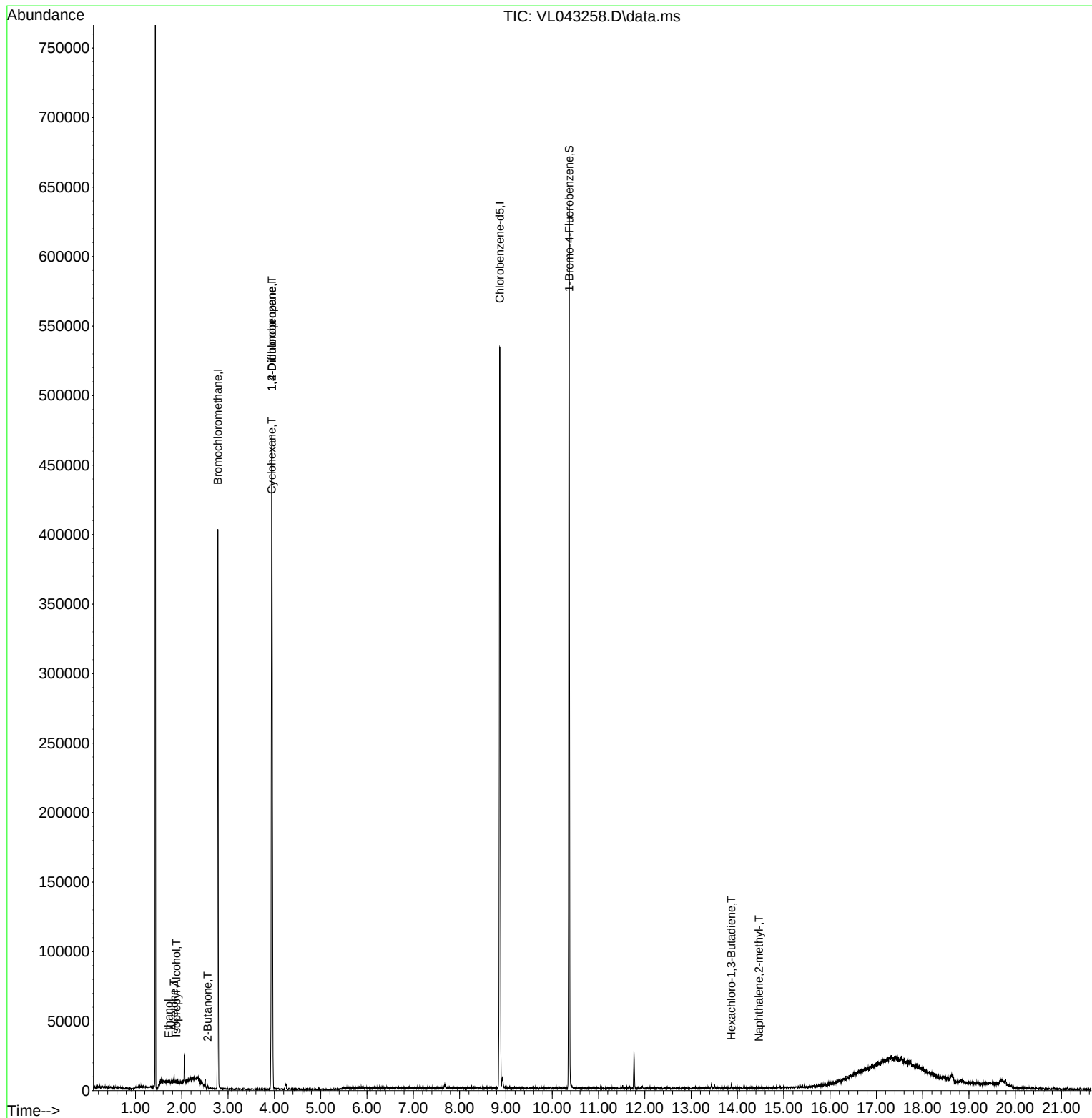
Internal Standards						
1) Bromochloromethane	2.781	49	105521	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	275399	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	211341	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	154256	9.958	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.600%
Target Compounds						
					Qvalue	
13) Ethanol	1.716	45	332	0.152	ppbv #	38
15) Acetone	1.832	43	2283	0.156	ppbv #	61
19) Isopropyl Alcohol	1.881	45	362	0.044	ppbv #	55
20) Methylene Chloride	2.056	84	3038	Below Cal	#	90
30) Cyclohexane	3.939	84	1095	0.094	ppbv #	1
34) 2-Butanone	2.557	43	1055	0.054	ppbv	98
39) 1,2-Dichloropropane	3.946	63	71460	7.403	ppbv #	22
78) Hexachloro-1,3-Butadiene	13.869	225	538	0.032	ppbv #	70
80) Naphthalene,2-methyl-	14.468	142	268	0.032	ppbv	95

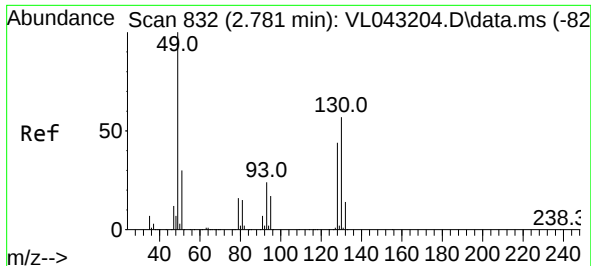
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VL1120ABL01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL1120ABL01

Quant Time: Nov 21 00:35:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

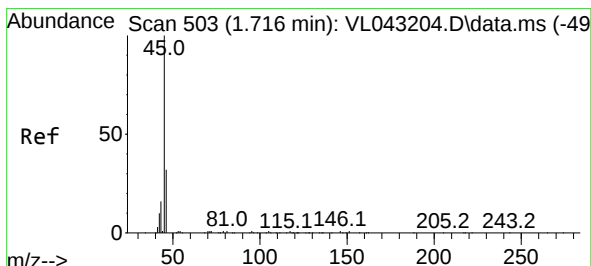
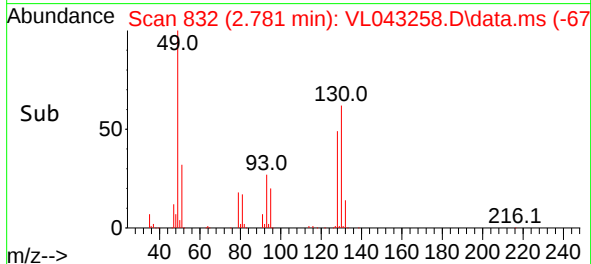
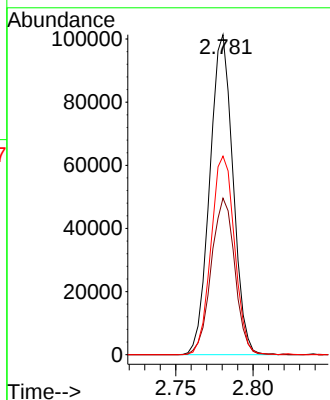
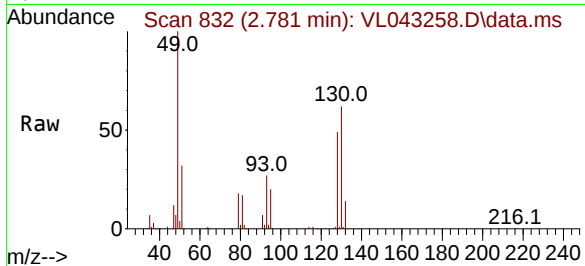




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043258.D
Acq: 20 Nov 2025 11:01

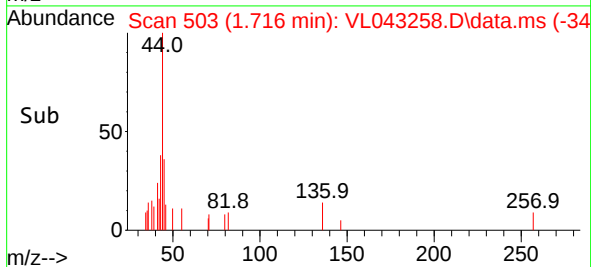
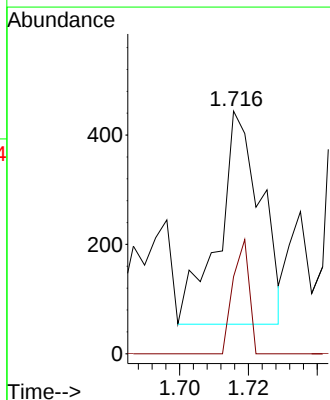
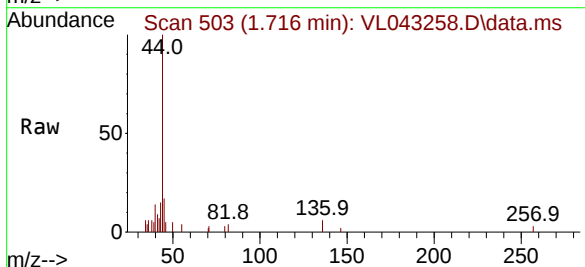
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABL01

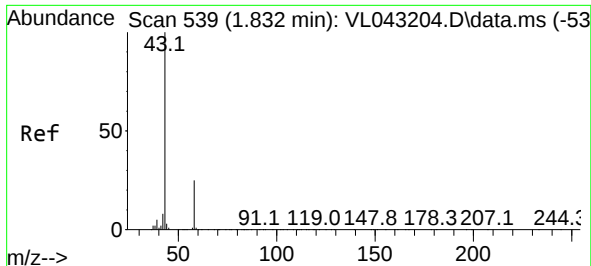
Tgt Ion: 49 Resp: 105521
Ion Ratio Lower Upper
49 100
128 49.6 23.0 69.0
130 62.9 29.9 89.7



#13
Ethanol
Concen: 0.152 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043258.D
Acq: 20 Nov 2025 11:01

Tgt Ion: 45 Resp: 332
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8#

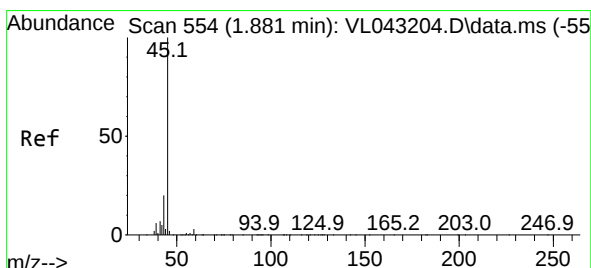
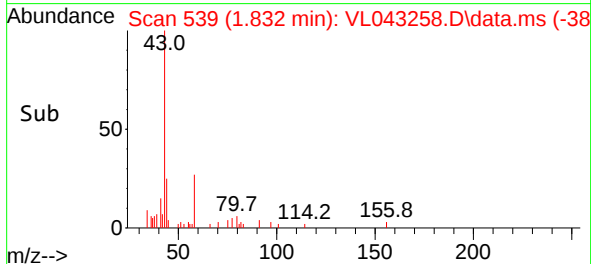
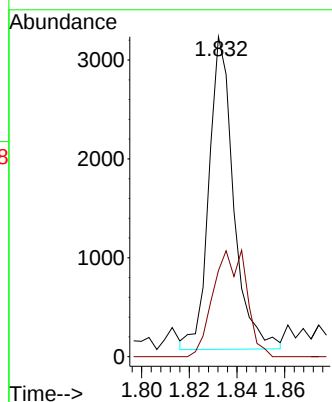
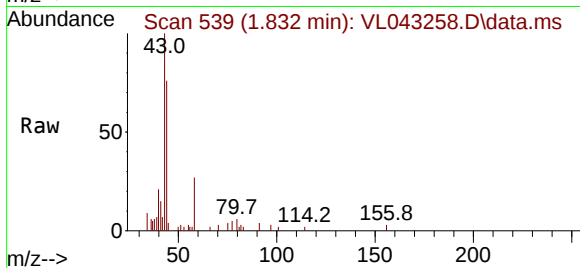




#15
Acetone
Concen: 0.156 ppbv
RT: 1.832 min Scan# 51
Delta R.T. -0.000 min
Lab File: VL043258.D
Acq: 20 Nov 2025 11:01

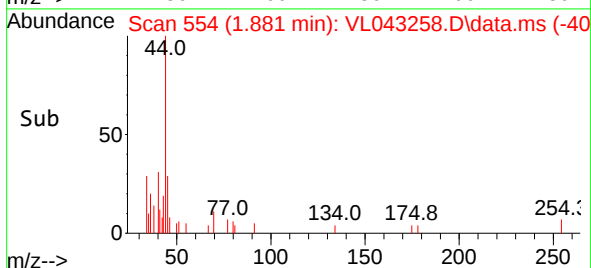
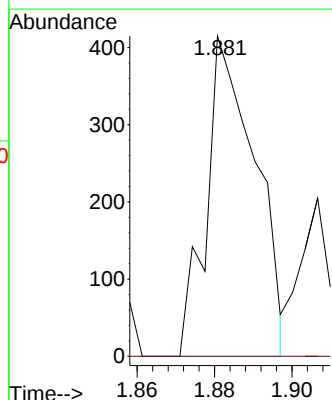
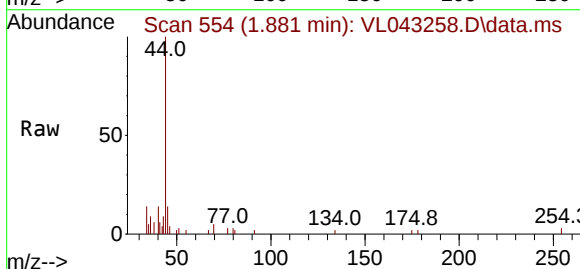
Instrument :
MSVOA_L
ClientSampleId :
VL1120ABL01

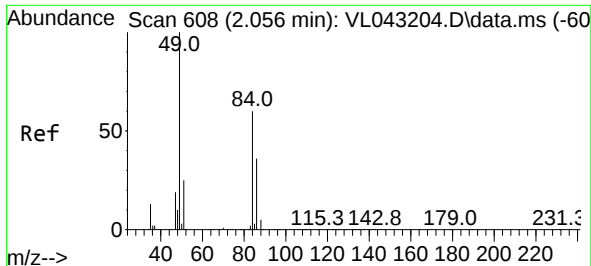
Tgt Ion: 43 Resp: 2283
Ion Ratio Lower Upper
43 100
58 45.7 20.7 31.1#



#19
Isopropyl Alcohol
Concen: 0.044 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.000 min
Lab File: VL043258.D
Acq: 20 Nov 2025 11:01

Tgt Ion: 45 Resp: 362
Ion Ratio Lower Upper
45 100
58 11.6 31.3 46.9#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.056 min Scan# 60

Delta R.T. -0.000 min

Lab File: VL043258.D

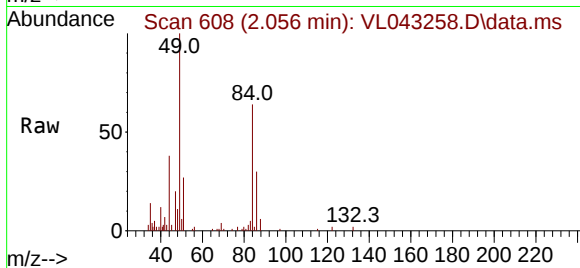
Acq: 20 Nov 2025 11:01

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABL01



Tgt Ion: 84 Resp: 3038

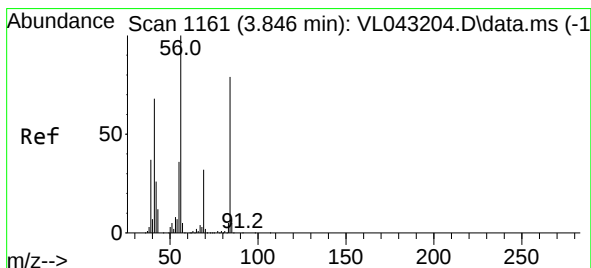
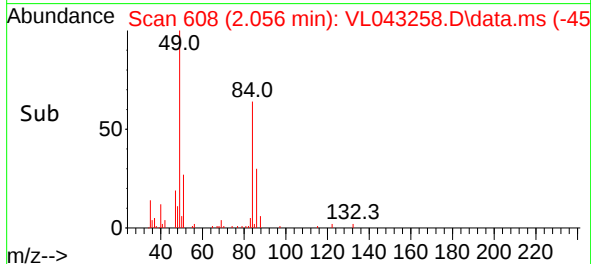
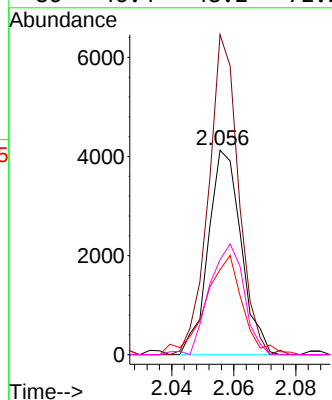
Ion Ratio Lower Upper

84 100

49 154.6 132.9 199.3

51 40.1 34.8 52.2

86 46.4 48.2 72.2#



#30

Cyclohexane

Concen: 0.094 ppbv

RT: 3.939 min Scan# 1190

Delta R.T. 0.094 min

Lab File: VL043258.D

Acq: 20 Nov 2025 11:01

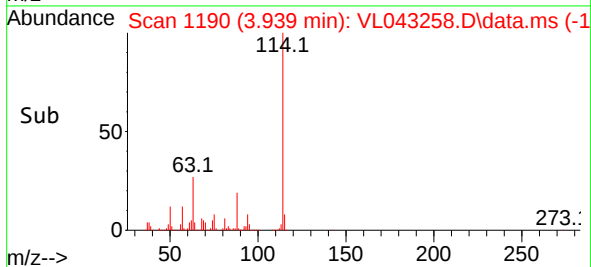
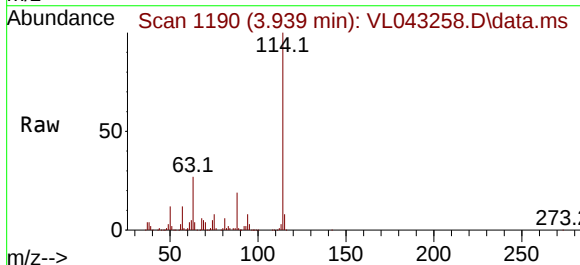
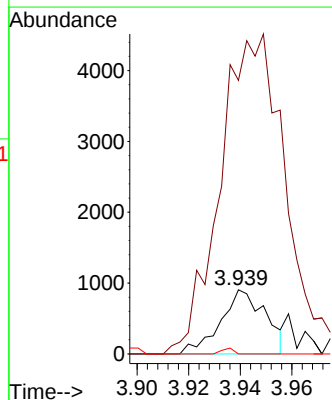
Tgt Ion: 84 Resp: 1095

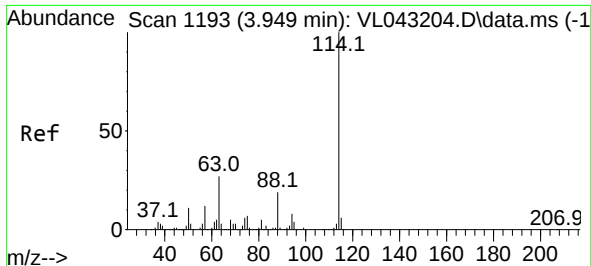
Ion Ratio Lower Upper

84 100

56 717.4 104.7 157.1#

41 2.9 69.0 103.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.003 min

Lab File: VL043258.D

Acq: 20 Nov 2025 11:01

Instrument :

MSVOA_1

ClientSampleId :

VL1120ABL01

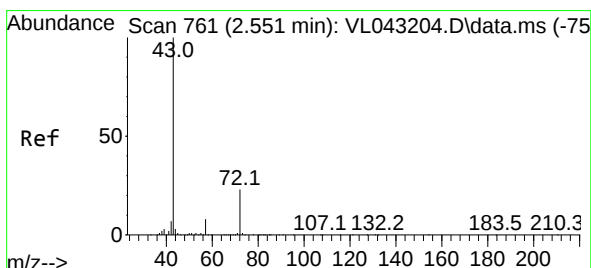
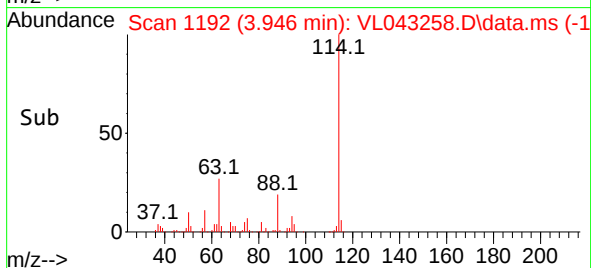
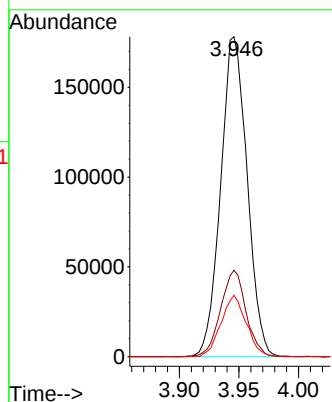
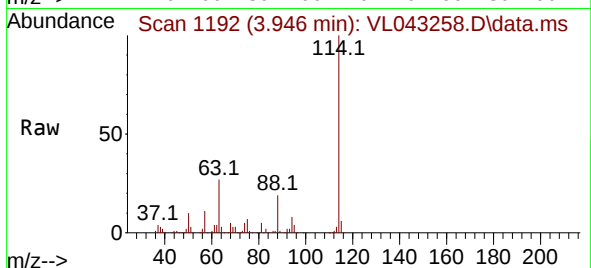
Tgt Ion:114 Resp: 275399

Ion Ratio Lower Upper

114 100

63 26.0 21.0 31.6

88 18.3 14.9 22.3



#34

2-Butanone

Concen: 0.054 ppbv

RT: 2.557 min Scan# 763

Delta R.T. 0.006 min

Lab File: VL043258.D

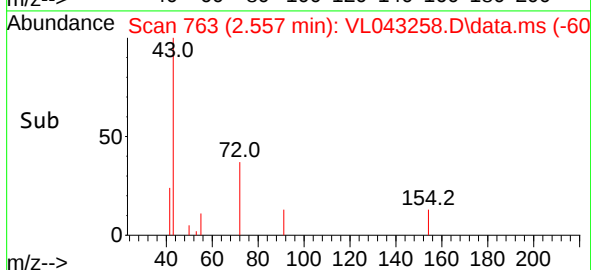
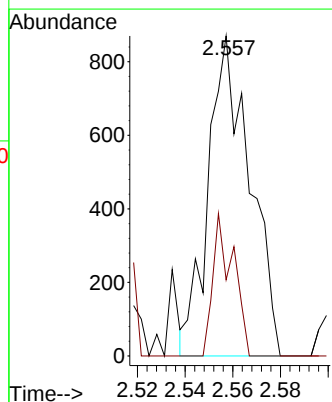
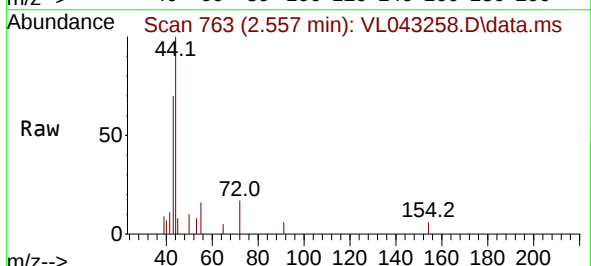
Acq: 20 Nov 2025 11:01

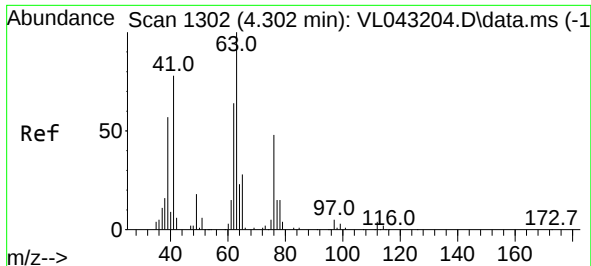
Tgt Ion: 43 Resp: 1055

Ion Ratio Lower Upper

43 100

72 21.7 18.1 27.1





#39

1,2-Dichloropropane

Concen: 7.403 ppbv

RT: 3.946 min Scan# 1192

Delta R.T. -0.356 min

Lab File: VL043258.D

Acq: 20 Nov 2025 11:01

Instrument :

MSVOA_L

ClientSampleId :

VL1120ABL01

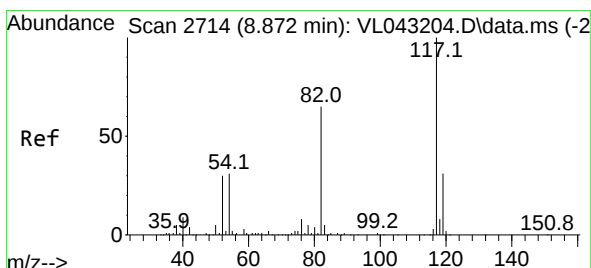
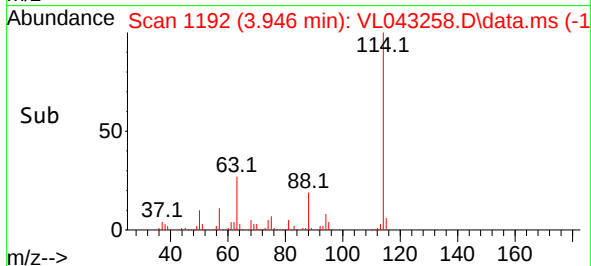
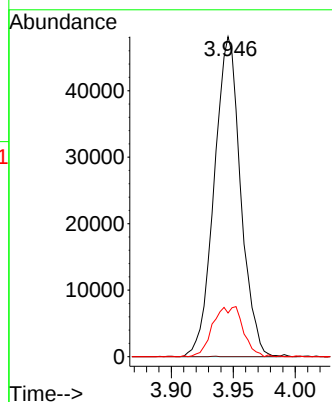
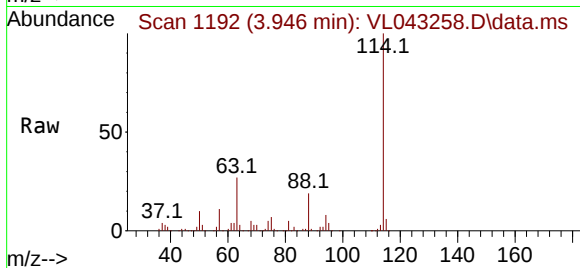
Tgt Ion: 63 Resp: 71460

Ion Ratio Lower Upper

63 100

41 0.0 62.6 93.8#

62 13.6 51.0 76.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.869 min Scan# 2713

Delta R.T. -0.003 min

Lab File: VL043258.D

Acq: 20 Nov 2025 11:01

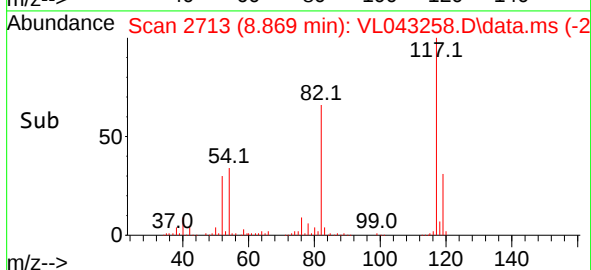
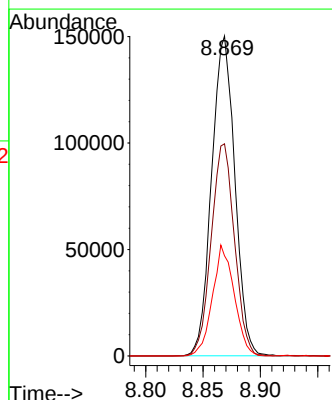
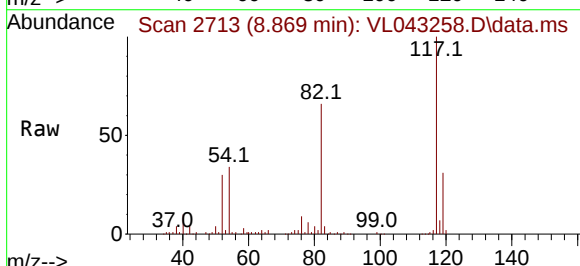
Tgt Ion: 117 Resp: 211341

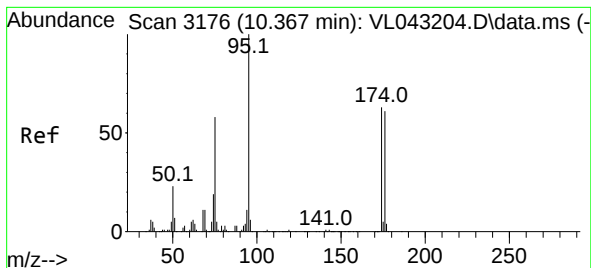
Ion Ratio Lower Upper

117 100

82 66.5 56.1 84.1

119 32.6 25.0 37.6

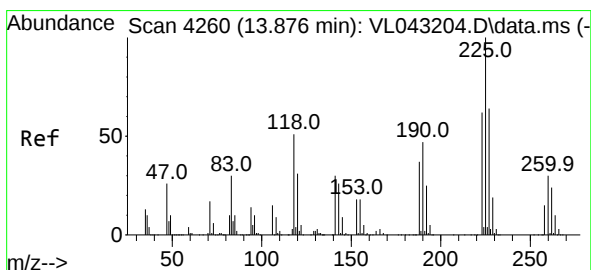
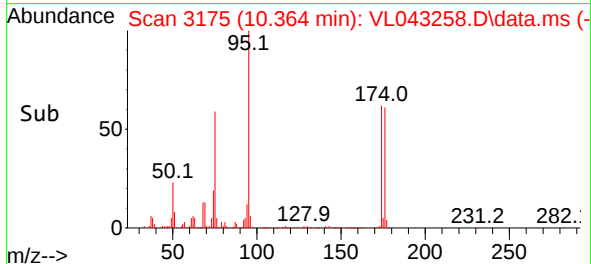
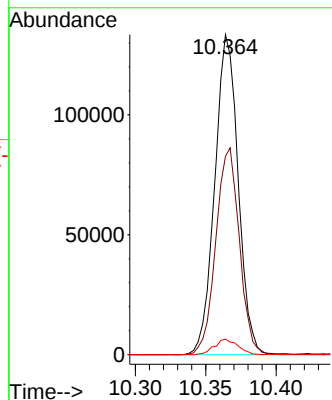
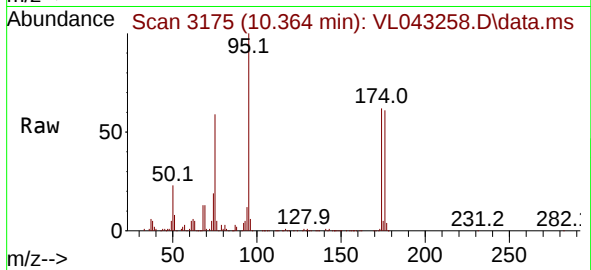




#68
1-Bromo-4-Fluorobenzene
Concen: 9.958 ppbv
RT: 10.364 min Scan# 3176
Delta R.T. -0.003 min
Lab File: VL043258.D
Acq: 20 Nov 2025 11:01

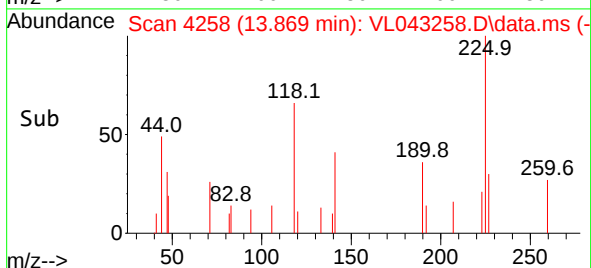
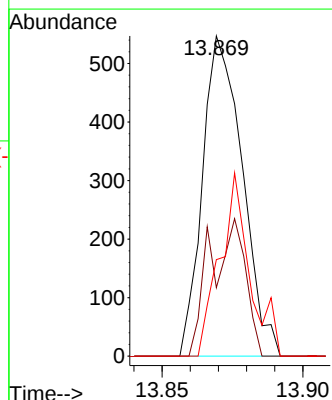
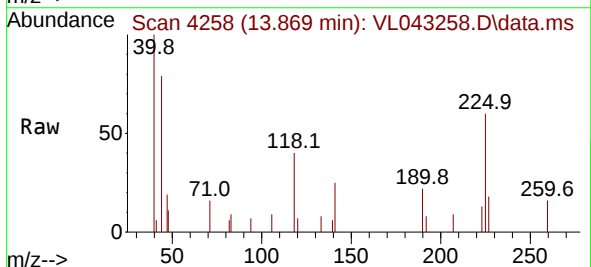
Instrument :
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VL1120ABL01

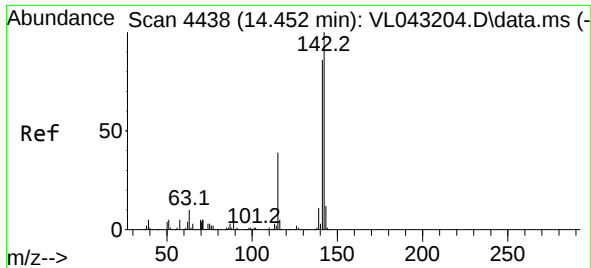
Tgt Ion: 95 Resp: 154256
Ion Ratio Lower Upper
95 100
174 65.5 50.2 75.2
175 4.9 4.1 6.1



#78
Hexachloro-1,3-Butadiene
Concen: 0.032 ppbv
RT: 13.869 min Scan# 4258
Delta R.T. -0.007 min
Lab File: VL043258.D
Acq: 20 Nov 2025 11:01

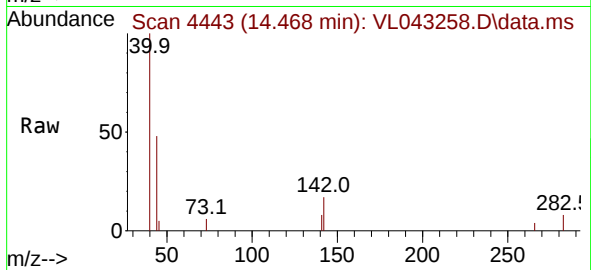
Tgt Ion: 225 Resp: 538
Ion Ratio Lower Upper
225 100
223 37.7 50.2 75.4#
227 42.8 51.1 76.7#





#80
 Naphthalene, 2-methyl-
 Concen: 0.032 ppbv
 RT: 14.468 min Scan# 44
 Delta R.T. 0.016 min
 Lab File: VL043258.D
 Acq: 20 Nov 2025 11:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1120ABL01



Tgt Ion:	142	Resp:	268
Ion	Ratio	Lower	Upper
142	100		
141	80.2	67.1	100.7
115	35.4	31.9	47.9

