

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043080.D
 Acq On : 09 Oct 2025 10:10
 Operator : SY/MD
 Sample : VL1009ABL01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABL01

Quant Time: Oct 09 22:12:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Oct 03 08:23:34 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.777	49	178561	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.942	114	511863	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.865	117	429488	10.000	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	319148	10.315	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.200%

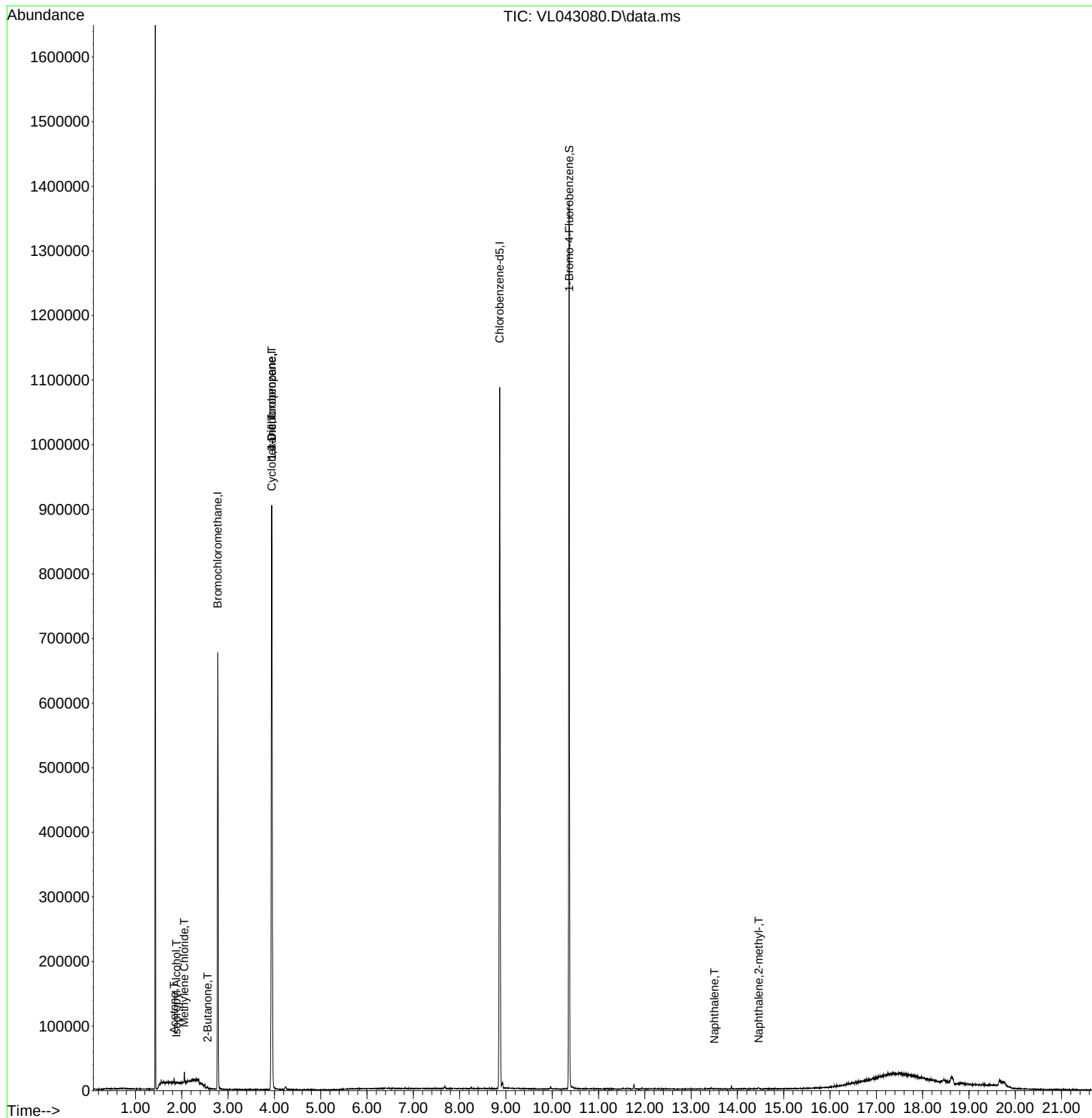
Target Compounds					Qvalue
13) Ethanol	1.884	45	466	Below Cal	# 39
15) Acetone	1.832	43	3265	0.131	ppbv # 48
19) Isopropyl Alcohol	1.884	45	466	0.039	ppbv # 54
20) Methylene Chloride	2.055	84	2757	0.253	ppbv # 82
30) Cyclohexane	3.939	84	2838	0.143	ppbv # 1
34) 2-Butanone	2.557	43	1320	0.038	ppbv 97
39) 1,2-Dichloropropane	3.942	63	127810	7.051	ppbv # 23
79) Naphthalene	13.503	128	607	0.245	ppbv # 82
80) Naphthalene,2-methyl-	14.458	142	933	0.696	ppbv # 90

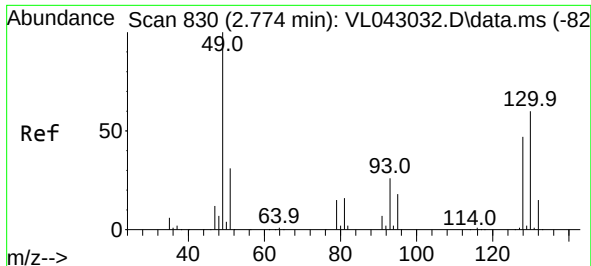
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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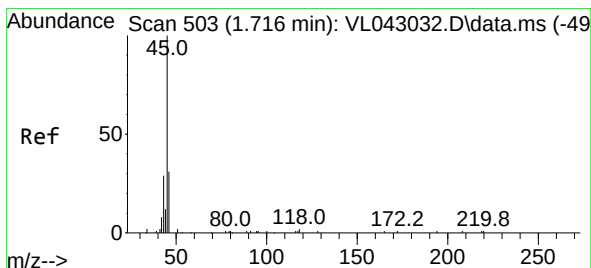
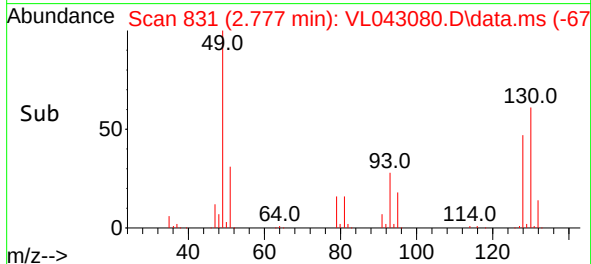
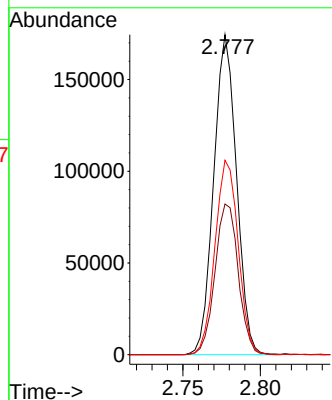
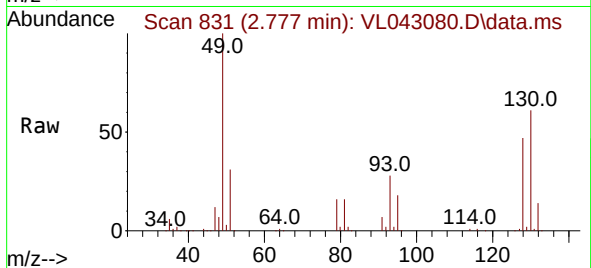




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.777 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL043080.D
Acq: 09 Oct 2025 10:10

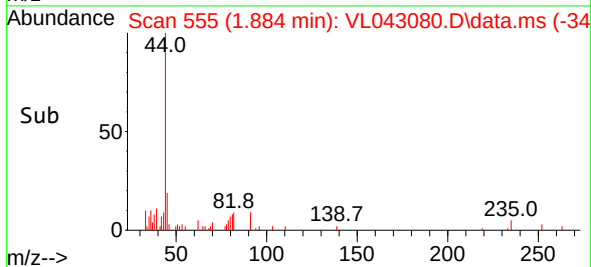
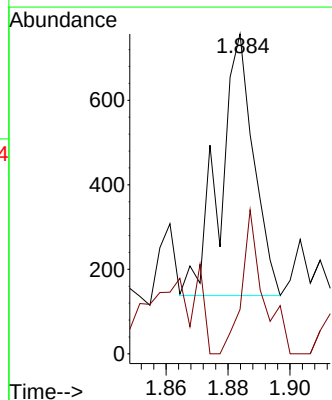
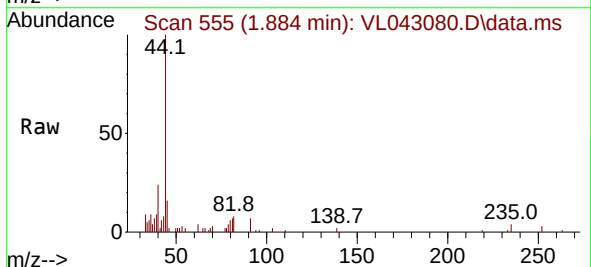
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABL01

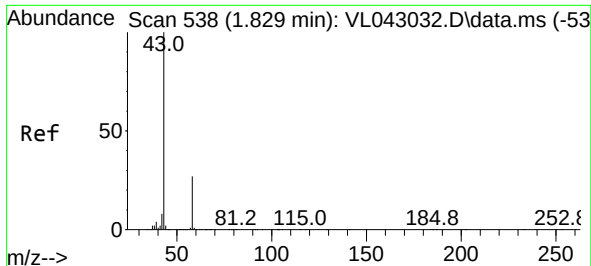
Tgt Ion: 49 Resp: 178561
Ion Ratio Lower Upper
49 100
128 48.2 24.1 72.2
130 62.0 31.4 94.3



#13
Ethanol
Concen: Below Cal
RT: 1.884 min Scan# 555
Delta R.T. 0.168 min
Lab File: VL043080.D
Acq: 09 Oct 2025 10:10

Tgt Ion: 45 Resp: 466
Ion Ratio Lower Upper
45 100
46 84.5 17.8 71.4#

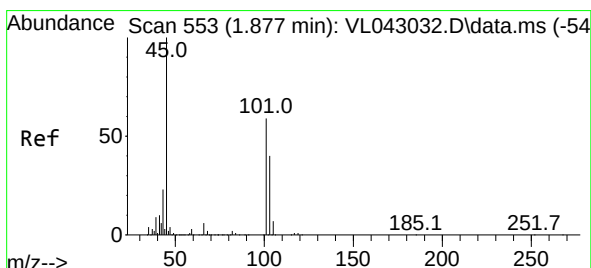
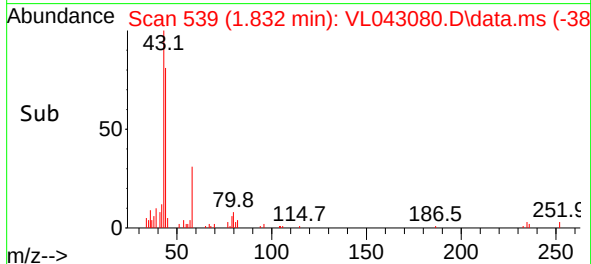
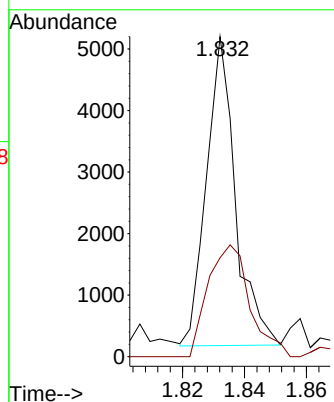
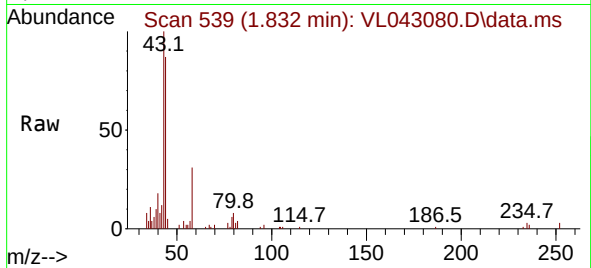




#15
Acetone
Concen: 0.131 ppbv
RT: 1.832 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL043080.D
Acq: 09 Oct 2025 10:10

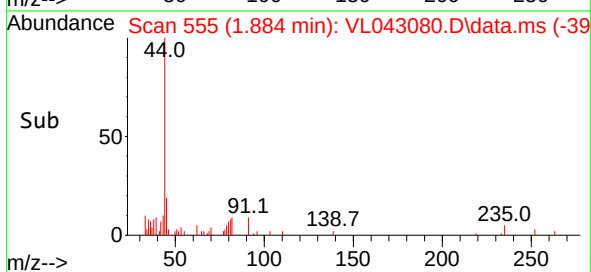
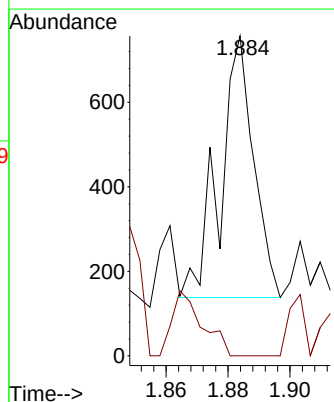
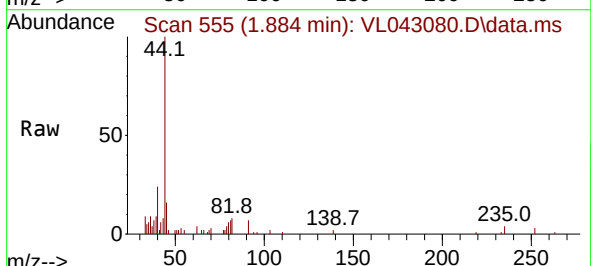
Instrument :
MSVOA_L
ClientSampleId :
VL1009ABL01

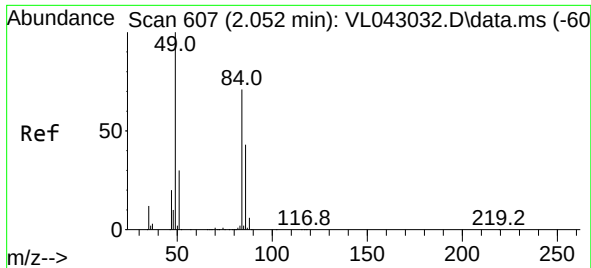
Tgt Ion: 43 Resp: 3265
Ion Ratio Lower Upper
43 100
58 55.2 22.2 33.4#



#19
Isopropyl Alcohol
Concen: 0.039 ppbv
RT: 1.884 min Scan# 555
Delta R.T. 0.006 min
Lab File: VL043080.D
Acq: 09 Oct 2025 10:10

Tgt Ion: 45 Resp: 466
Ion Ratio Lower Upper
45 100
58 20.6 42.3 63.5#

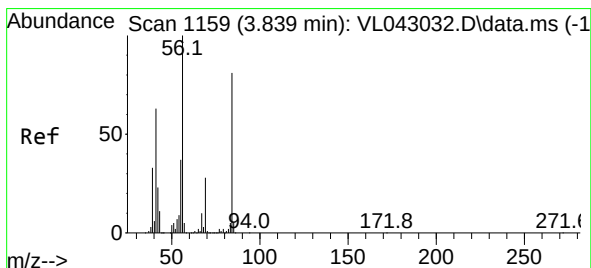
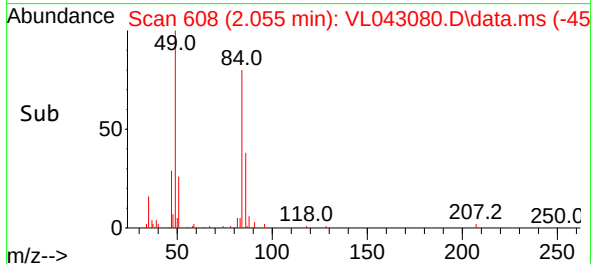
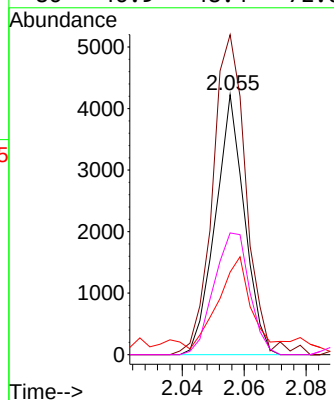
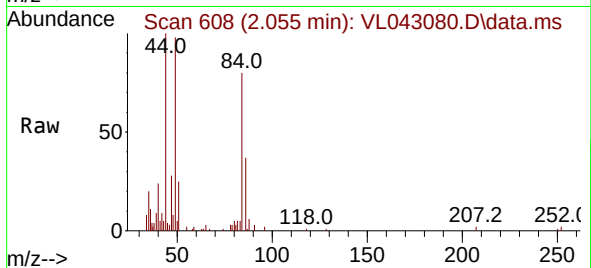




#20
Methylene Chloride
Concen: 0.253 ppbv
RT: 2.055 min Scan# 60
Delta R.T. 0.003 min
Lab File: VL043080.D
Acq: 09 Oct 2025 10:10

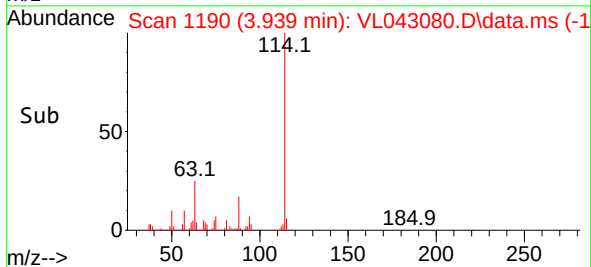
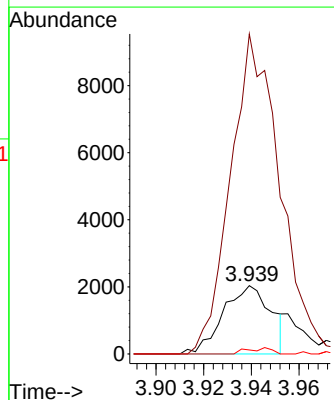
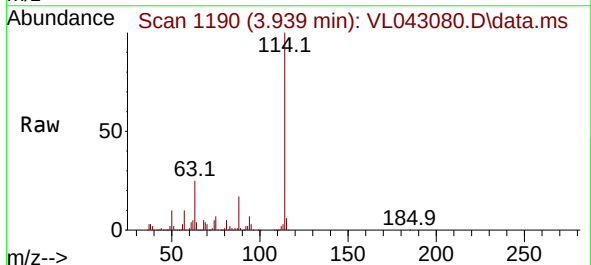
Instrument :
MSVOA_1
ClientSampleId :
VL1009ABL01

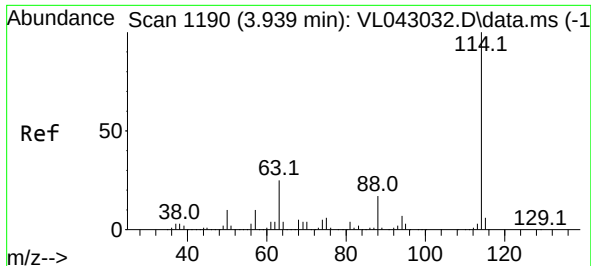
Tgt Ion: 84 Resp: 2757
Ion Ratio Lower Upper
84 100
49 121.7 112.5 168.7
51 26.9 34.2 51.2#
86 46.9 48.4 72.6#



#30
Cyclohexane
Concen: 0.143 ppbv
RT: 3.939 min Scan# 1190
Delta R.T. 0.100 min
Lab File: VL043080.D
Acq: 09 Oct 2025 10:10

Tgt Ion: 84 Resp: 2838
Ion Ratio Lower Upper
84 100
56 489.1 99.9 149.9#
41 5.0 64.2 96.4#

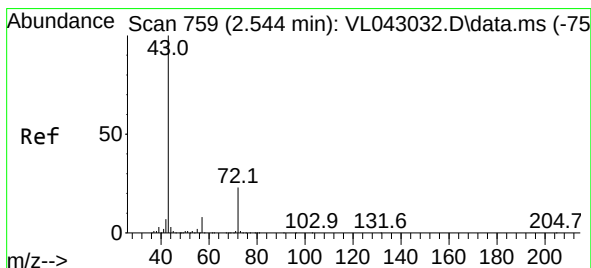
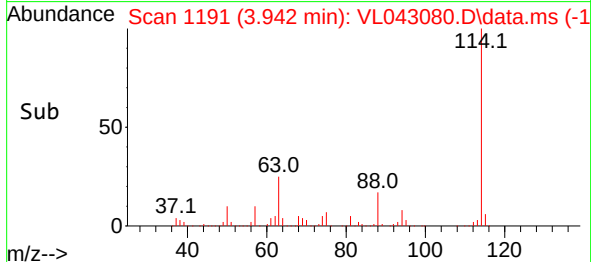
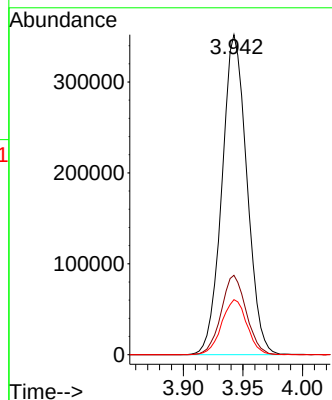
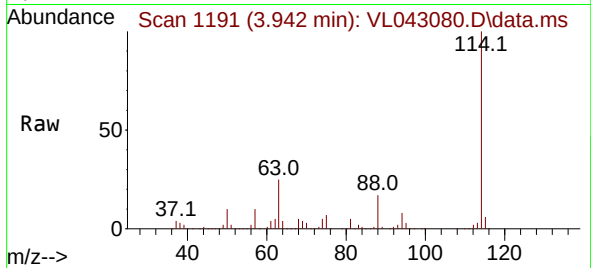




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.942 min Scan# 1191
 Delta R.T. 0.003 min
 Lab File: VL043080.D
 Acq: 09 Oct 2025 10:10

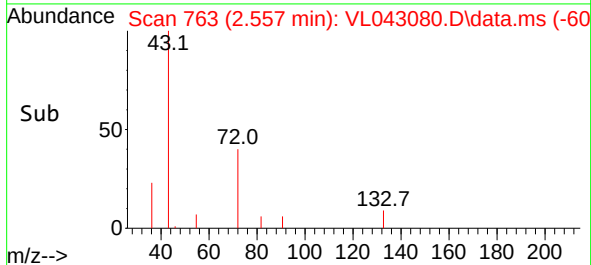
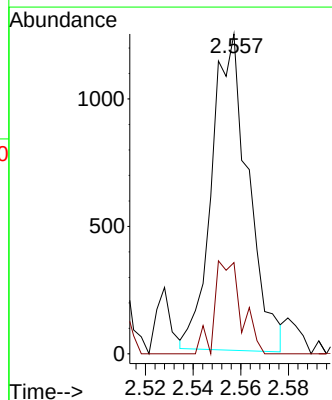
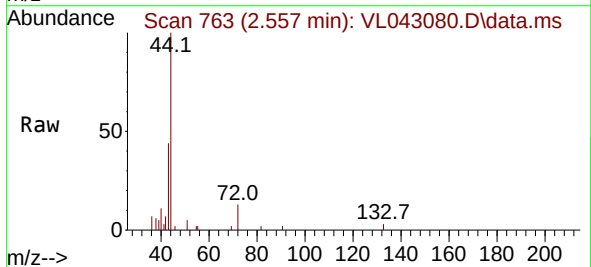
Instrument :
 MSVOA_L
 ClientSampleId :
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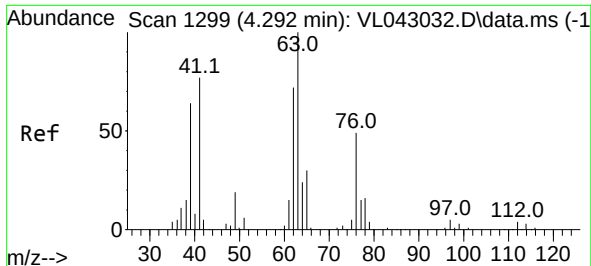
Tgt Ion:114 Resp: 511863
 Ion Ratio Lower Upper
 114 100
 63 25.0 19.4 29.2
 88 17.5 13.9 20.9



#34
 2-Butanone
 Concen: 0.038 ppbv
 RT: 2.557 min Scan# 763
 Delta R.T. 0.013 min
 Lab File: VL043080.D
 Acq: 09 Oct 2025 10:10

Tgt Ion: 43 Resp: 1320
 Ion Ratio Lower Upper
 43 100
 72 21.7 18.4 27.6





#39

1,2-Dichloropropane

Concen: 7.051 ppbv

RT: 3.942 min Scan# 1191

Delta R.T. -0.350 min

Lab File: VL043080.D

Acq: 09 Oct 2025 10:10

Instrument :

MSVOA_1

ClientSampleId :

VL1009ABL01

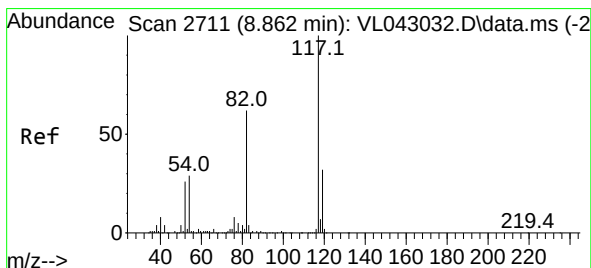
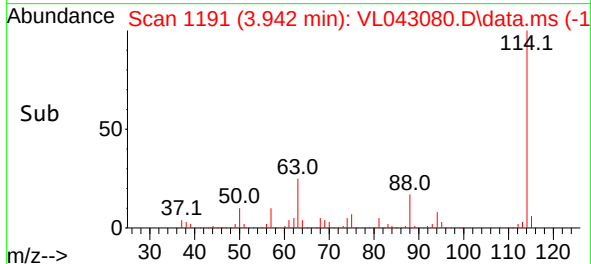
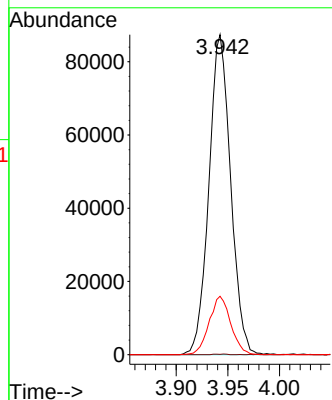
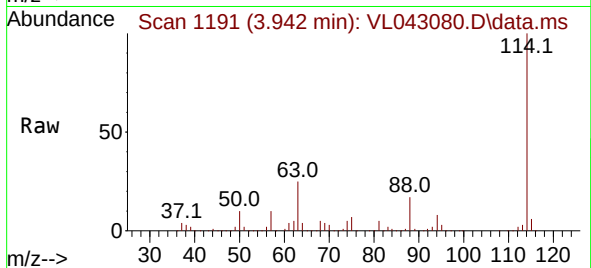
Tgt Ion: 63 Resp: 127810

Ion Ratio Lower Upper

63 100

41 0.1 61.6 92.4#

62 18.3 58.1 87.1#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.865 min Scan# 2712

Delta R.T. 0.003 min

Lab File: VL043080.D

Acq: 09 Oct 2025 10:10

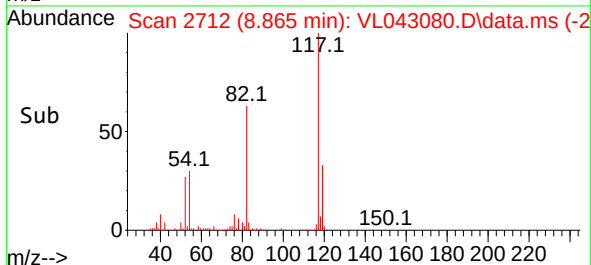
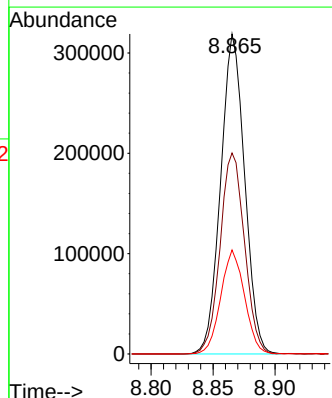
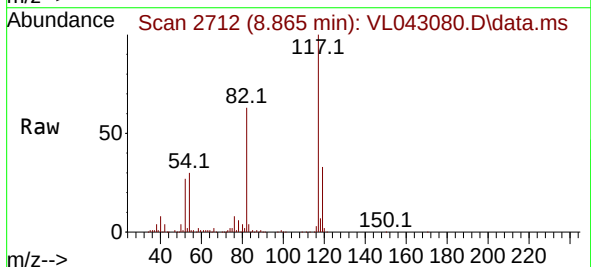
Tgt Ion: 117 Resp: 429488

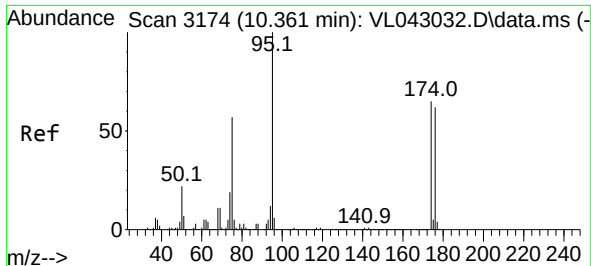
Ion Ratio Lower Upper

117 100

82 64.1 53.0 79.6

119 32.4 25.4 38.2

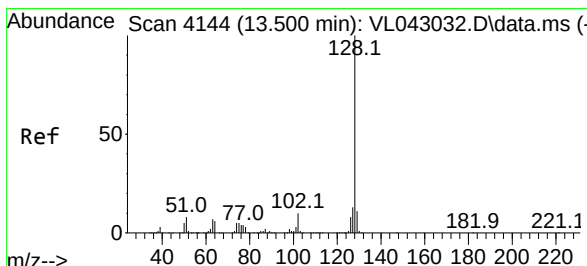
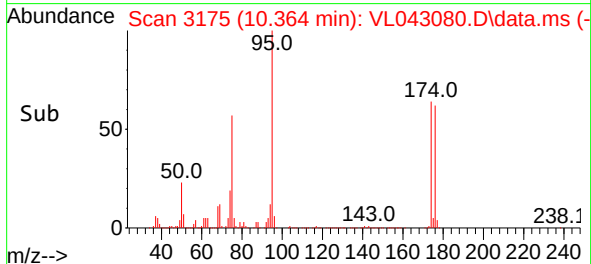
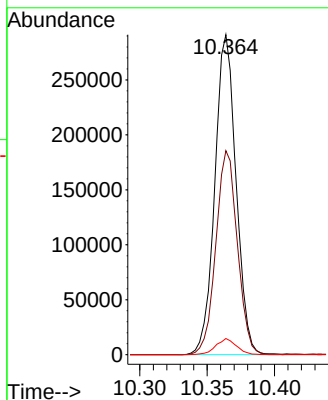
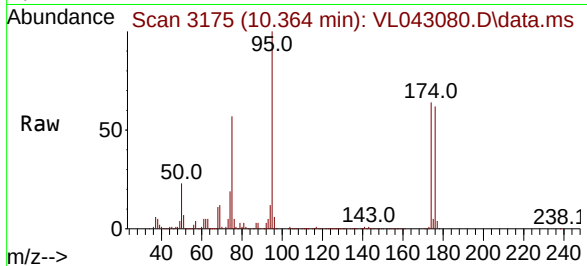




#68
1-Bromo-4-Fluorobenzene
Concen: 10.315 ppbv
RT: 10.364 min Scan# 3175
Delta R.T. 0.003 min
Lab File: VL043080.D
Acq: 09 Oct 2025 10:10

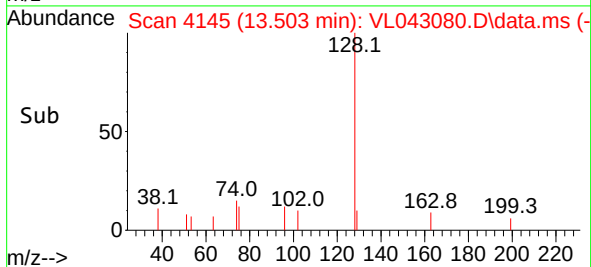
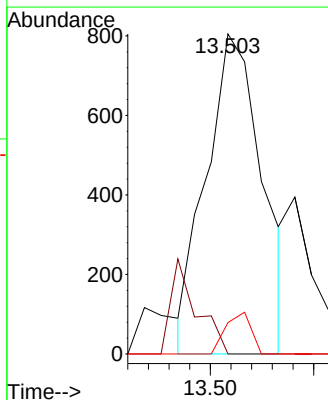
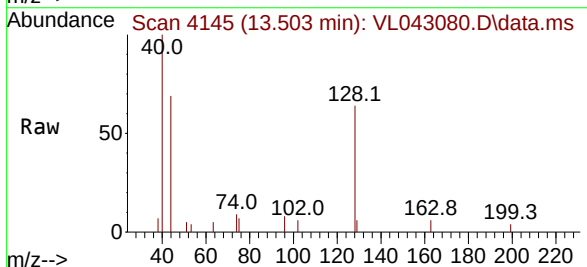
Instrument :
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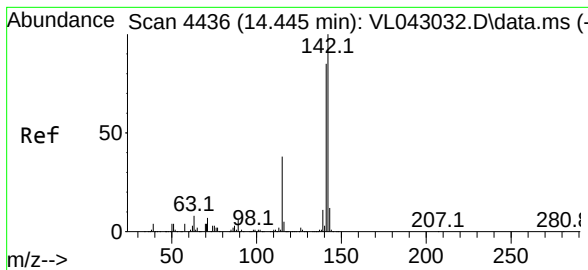
Tgt Ion: 95 Resp: 319148
Ion Ratio Lower Upper
95 100
174 64.6 52.3 78.5
175 4.9 3.8 5.8



#79
Naphthalene
Concen: 0.245 ppbv
RT: 13.503 min Scan# 4145
Delta R.T. 0.003 min
Lab File: VL043080.D
Acq: 09 Oct 2025 10:10

Tgt Ion: 128 Resp: 607
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 11.0 8.8 13.2





#80
 Naphthalene, 2-methyl-
 Concen: 0.696 ppbv
 RT: 14.458 min Scan# 44
 Delta R.T. 0.013 min
 Lab File: VL043080.D
 Acq: 09 Oct 2025 10:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1009ABL01

Tgt Ion:	142	Resp:	933
Ion	Ratio	Lower	Upper
142	100		
141	77.6	66.6	100.0
115	48.0	30.1	45.1#

