

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
 Data File : VL043169.D
 Acq On : 06 Nov 2025 15:59
 Operator : SY/MD
 Sample : Q3556-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 131-SG-2DL

Quant Time: Nov 07 00:24:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

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

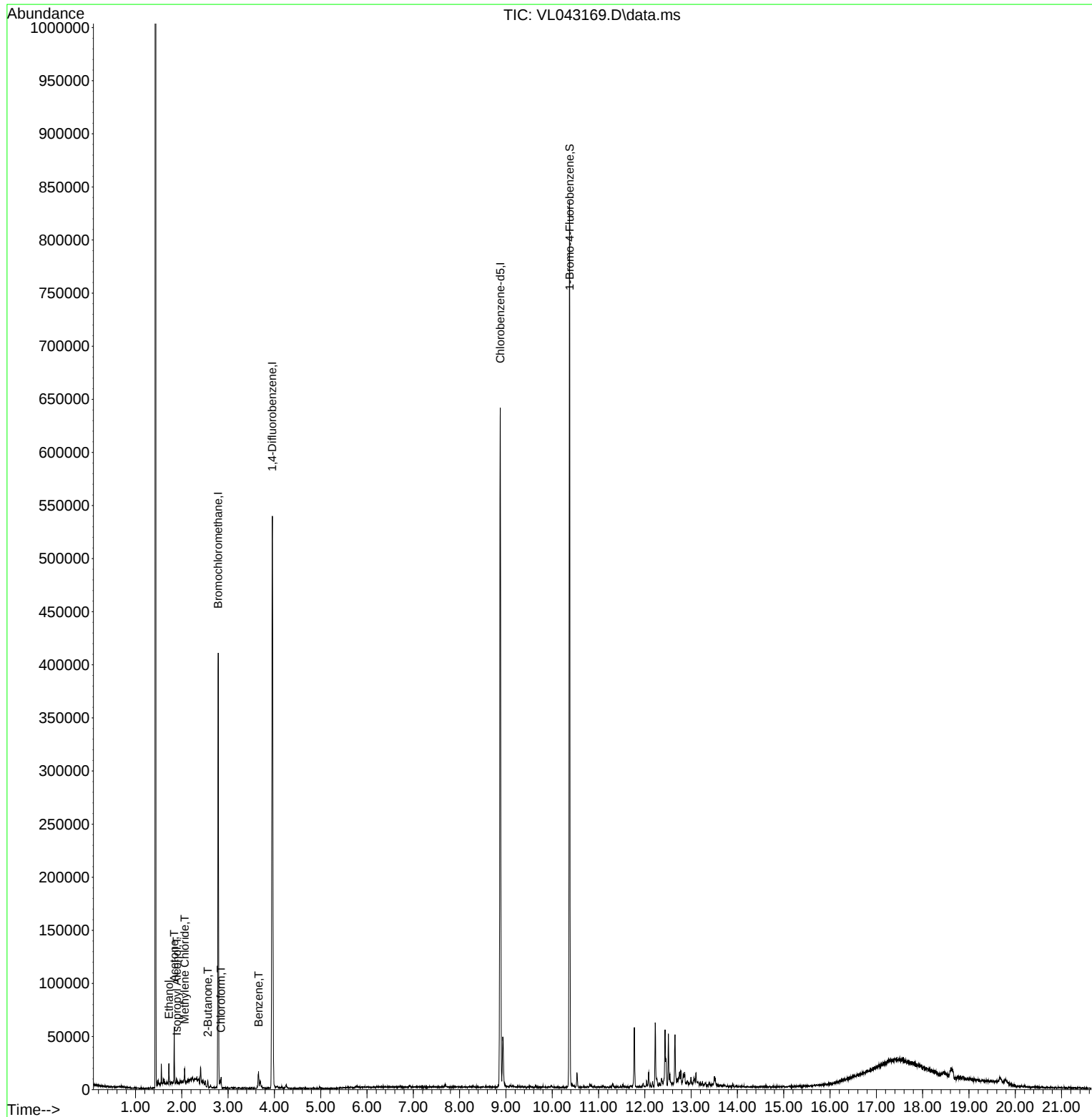
Internal Standards						
1) Bromochloromethane	2.787	49	110430	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.956	114	313872	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.879	117	260123	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	201260	9.954	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.500%
Target Compounds						
					Qvalue	
13) Ethanol	1.722	45	6455	2.316	ppbv	96
15) Acetone	1.836	43	23179	1.557	ppbv	91
19) Isopropyl Alcohol	1.891	45	1817m	0.196	ppbv	
20) Methylene Chloride	2.062	84	1799	0.306	ppbv	85
29) Chloroform	2.849	83	3542	0.144	ppbv #	78
34) 2-Butanone	2.564	43	4037	0.191	ppbv	97
36) Benzene	3.658	78	8773	0.297	ppbv #	94

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

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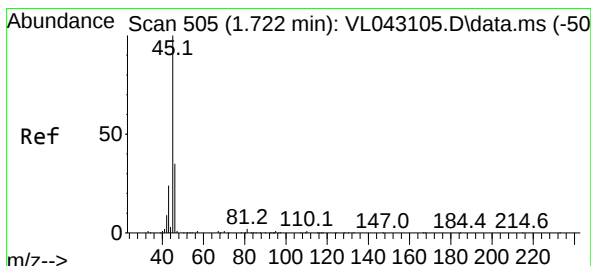
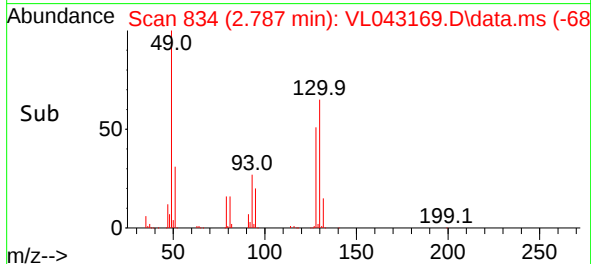
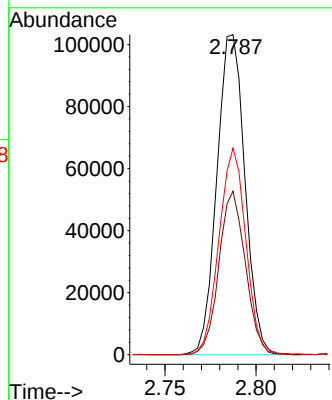
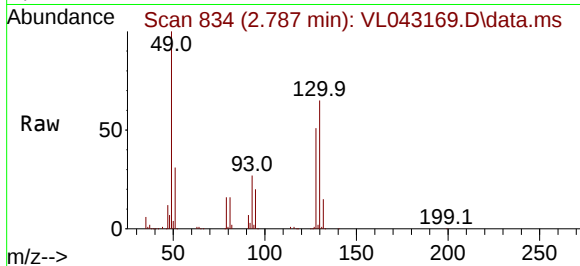




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043169.D
Acq: 06 Nov 2025 15:59

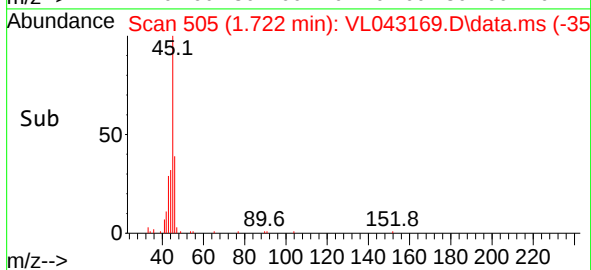
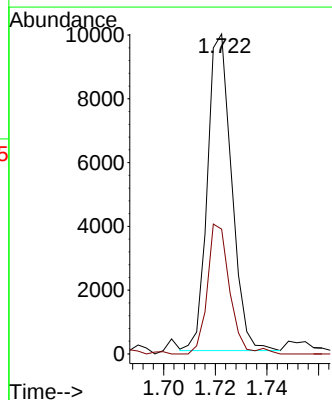
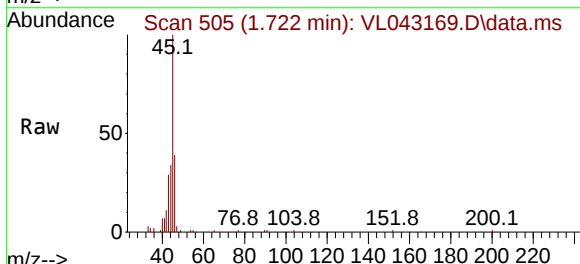
Instrument :
MSVOA_L
ClientSampleId :
131-SG-2DL

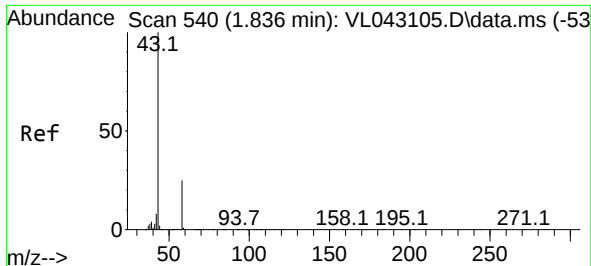
Tgt Ion: 49 Resp: 110430
Ion Ratio Lower Upper
49 100
128 48.2 24.4 73.4
130 61.8 31.0 93.0



#13
Ethanol
Concen: 2.316 ppbv
RT: 1.722 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL043169.D
Acq: 06 Nov 2025 15:59

Tgt Ion: 45 Resp: 6455
Ion Ratio Lower Upper
45 100
46 39.1 14.7 58.9

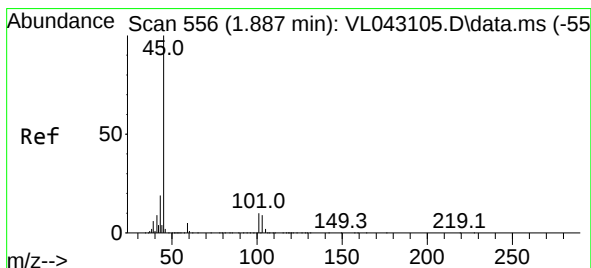
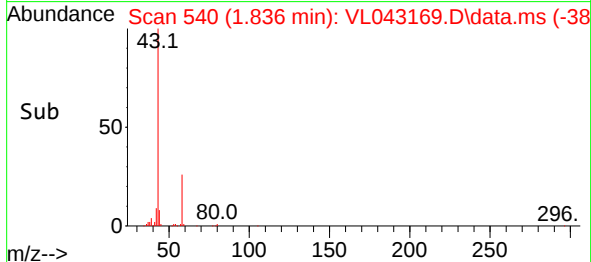
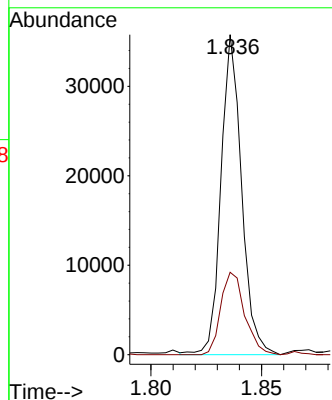
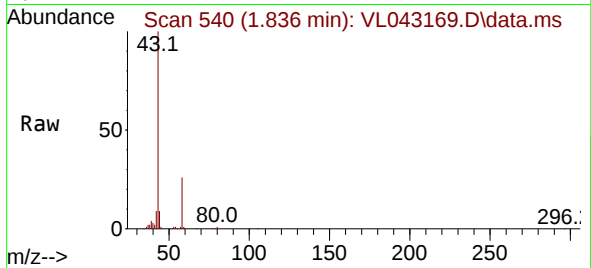




#15
Acetone
Concen: 1.557 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL043169.D
Acq: 06 Nov 2025 15:59

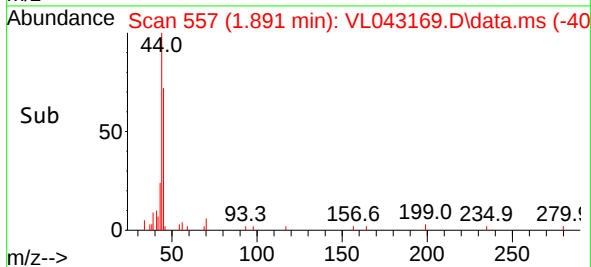
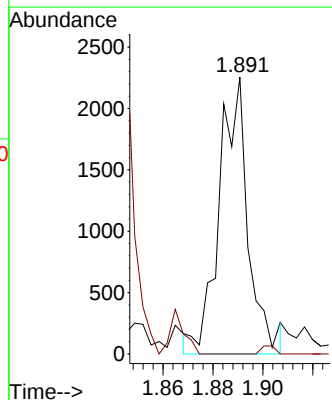
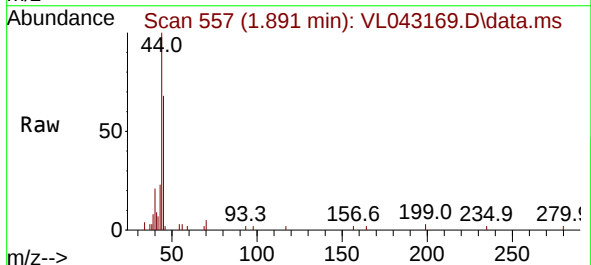
Instrument :
MSVOA_L
ClientSampleId :
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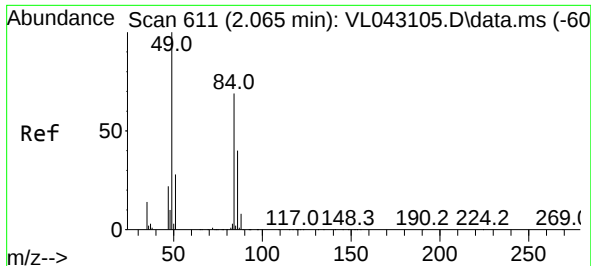
Tgt Ion: 43 Resp: 23179
Ion Ratio Lower Upper
43 100
58 30.5 20.8 31.2



#19
Isopropyl Alcohol
Concen: 0.196 ppbv m
RT: 1.891 min Scan# 557
Delta R.T. 0.003 min
Lab File: VL043169.D
Acq: 06 Nov 2025 15:59

Tgt Ion: 45 Resp: 1817
Ion Ratio Lower Upper
45 100
58 0.0 31.3 46.9#

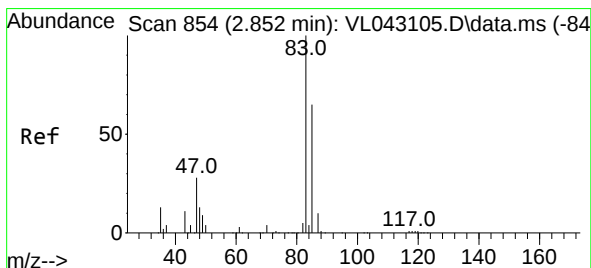
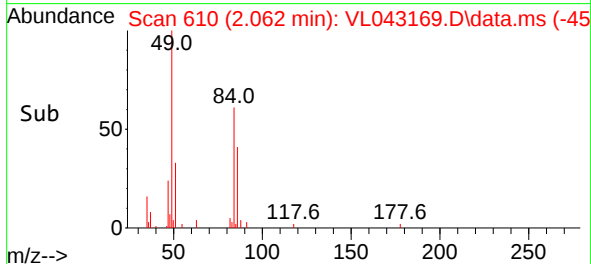
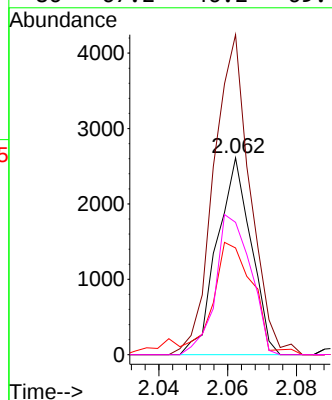
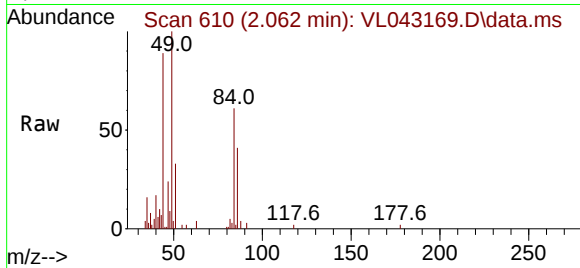




#20
Methylene Chloride
Concen: 0.306 ppbv
RT: 2.062 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL043169.D
Acq: 06 Nov 2025 15:59

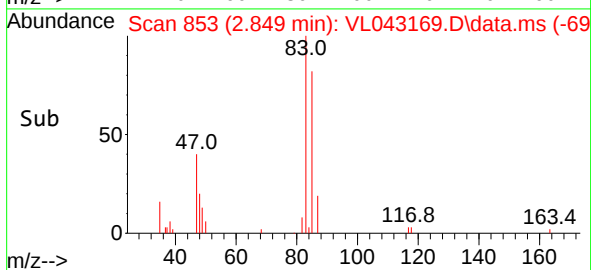
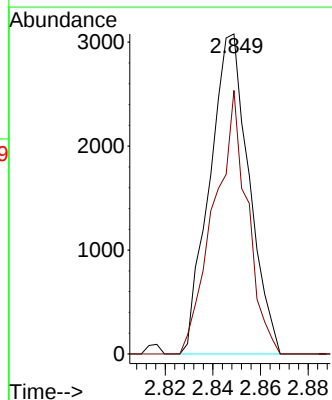
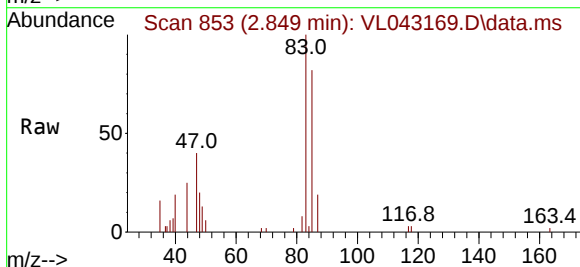
Instrument :
MSVOA_L
ClientSampleId :
131-SG-2DL

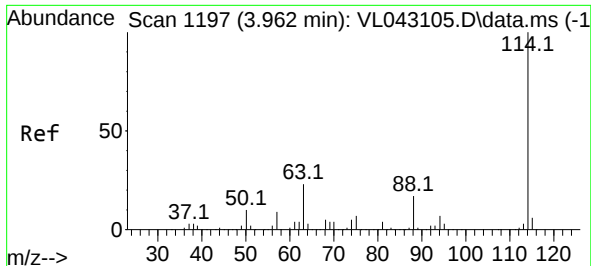
Tgt Ion:	84	Resp:	1799
Ion	Ratio	Lower	Upper
84	100		
49	165.5	116.6	175.0
51	51.7	34.8	52.2
86	67.2	46.2	69.4



#29
Chloroform
Concen: 0.144 ppbv
RT: 2.849 min Scan# 853
Delta R.T. -0.003 min
Lab File: VL043169.D
Acq: 06 Nov 2025 15:59

Tgt Ion:	83	Resp:	3542
Ion	Ratio	Lower	Upper
83	100		
85	82.4	51.8	77.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.956 min Scan# 1195

Delta R.T. -0.006 min

Lab File: VL043169.D

Acq: 06 Nov 2025 15:59

Instrument :

MSVOA_L

ClientSampleId :

131-SG-2DL

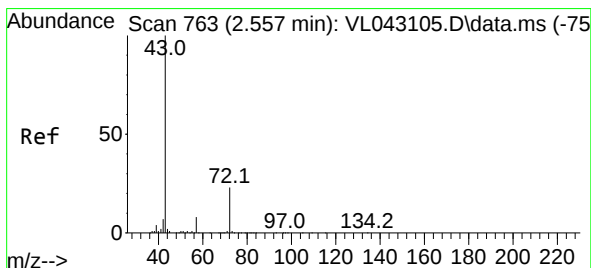
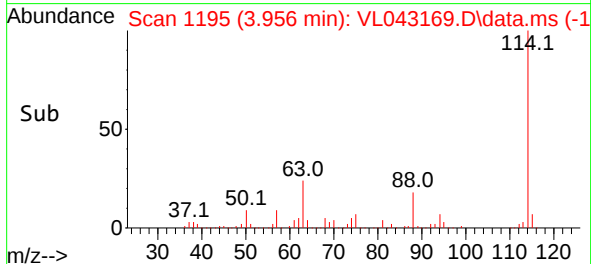
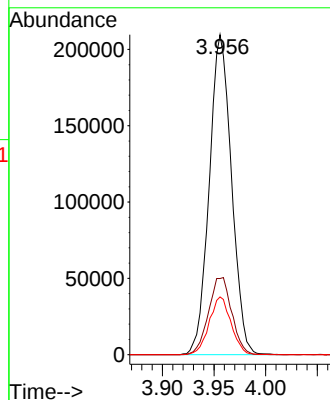
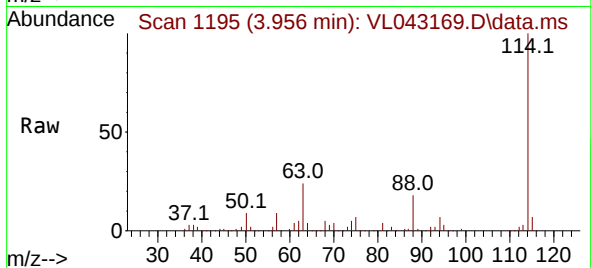
Tgt Ion:114 Resp: 313872

Ion Ratio Lower Upper

114 100

63 25.3 19.3 28.9

88 17.7 13.9 20.9



#34

2-Butanone

Concen: 0.191 ppbv

RT: 2.564 min Scan# 765

Delta R.T. 0.007 min

Lab File: VL043169.D

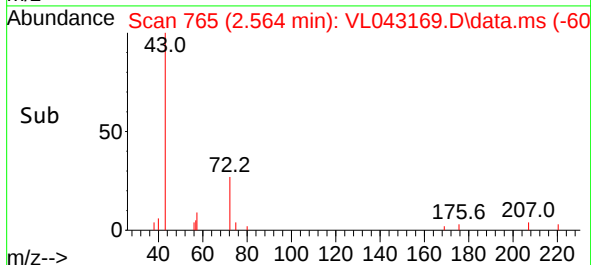
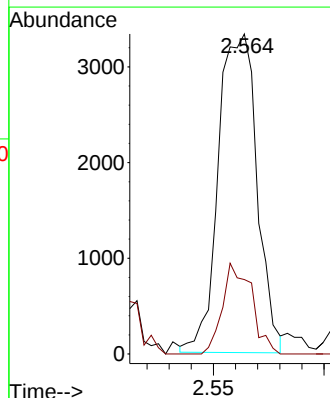
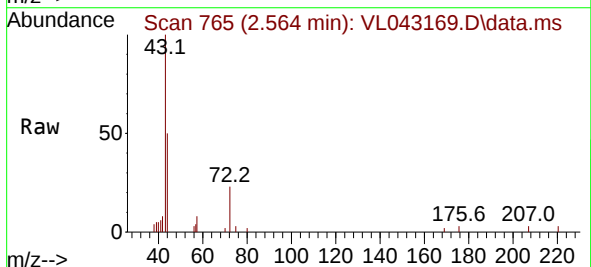
Acq: 06 Nov 2025 15:59

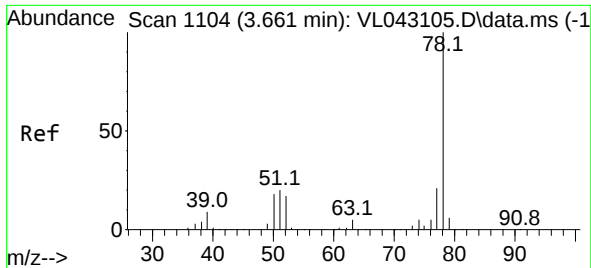
Tgt Ion: 43 Resp: 4037

Ion Ratio Lower Upper

43 100

72 21.6 18.4 27.6

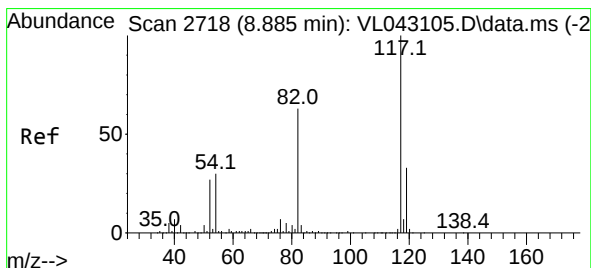
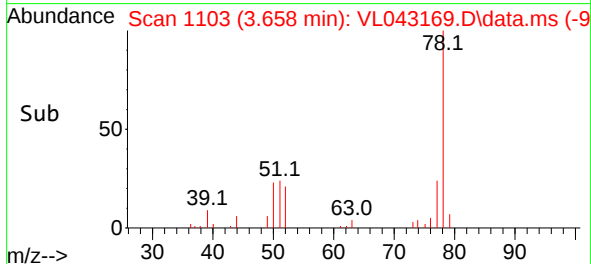
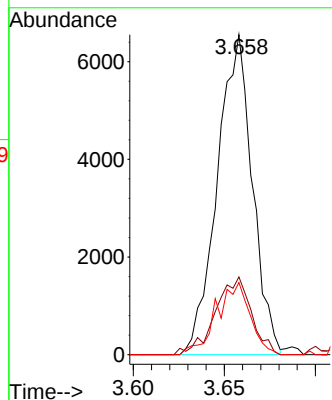
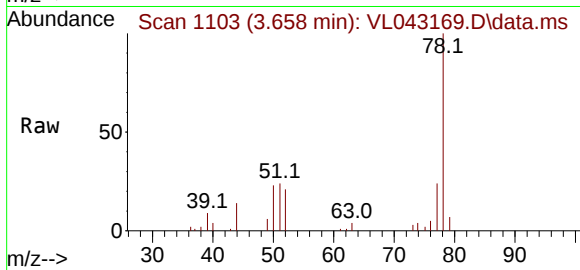




#36
Benzene
Concen: 0.297 ppbv
RT: 3.658 min Scan# 1103
Delta R.T. -0.003 min
Lab File: VL043169.D
Acq: 06 Nov 2025 15:59

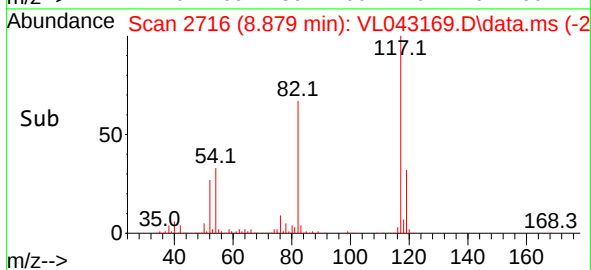
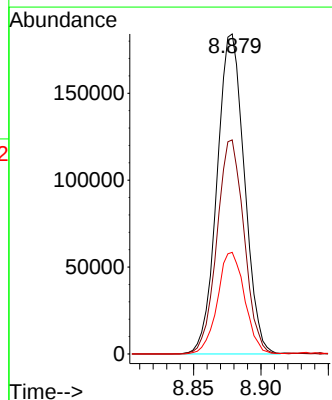
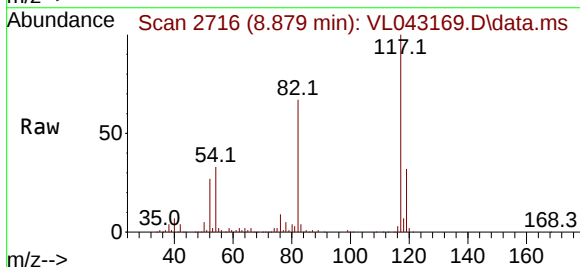
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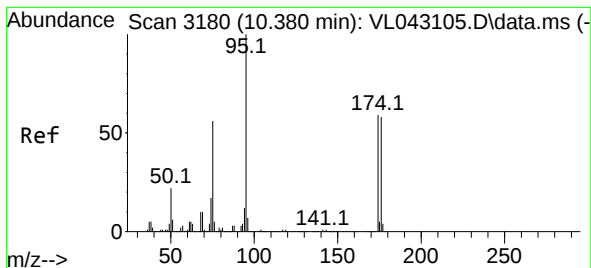
Tgt Ion: 78 Resp: 8773
Ion Ratio Lower Upper
78 100
77 22.7 17.0 25.6
50 22.6 14.6 22.0#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.879 min Scan# 2716
Delta R.T. -0.006 min
Lab File: VL043169.D
Acq: 06 Nov 2025 15:59

Tgt Ion: 117 Resp: 260123
Ion Ratio Lower Upper
117 100
82 66.6 53.8 80.8
119 31.7 25.4 38.0





#68

1-Bromo-4-Fluorobenzene

Concen: 9.954 ppbv

RT: 10.374 min Scan# 31

Delta R.T. -0.006 min

Lab File: VL043169.D

Acq: 06 Nov 2025 15:59

Instrument :

MSVOA_L

ClientSampleId :

131-SG-2DL

Tgt Ion: 95 Resp: 201260

Ion Ratio Lower Upper

95 100

174 64.0 48.3 72.5

175 4.4 3.8 5.8

