

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042979.D
 Acq On : 23 Sep 2025 04:08
 Operator : SY/MD
 Sample : Q3132-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 151-1A-1DL

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/24/2025
 Supervised By :Semsettin Yesilyurt 09/24/2025

Quant Time: Sep 24 01:15:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 23 2024
 QLast Update : Tue Sep 23 02:39:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	150287	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.965	114	424605	10.000	ppbv	0.01
55) Chlorobenzene-d5	8.885	117	372157	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	285913	10.292	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.900%
Target Compounds						
13) Ethanol	1.725	45	50434	47.435	ppbv	95
15) Acetone	1.839	43	36864m	1.883	ppbv	
19) Isopropyl Alcohol	1.887	45	178860	15.200	ppbv #	38
20) Methylene Chloride	2.065	84	4978	0.196	ppbv	96
26) Hexane	2.832	57	4418	0.196	ppbv #	72
29) Chloroform	2.852	83	3102	0.105	ppbv	84
53) Toluene	6.940	91	8013	0.170	ppbv	95
59) m/p-Xylene	9.539	91	4823m	0.100	ppbv	

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

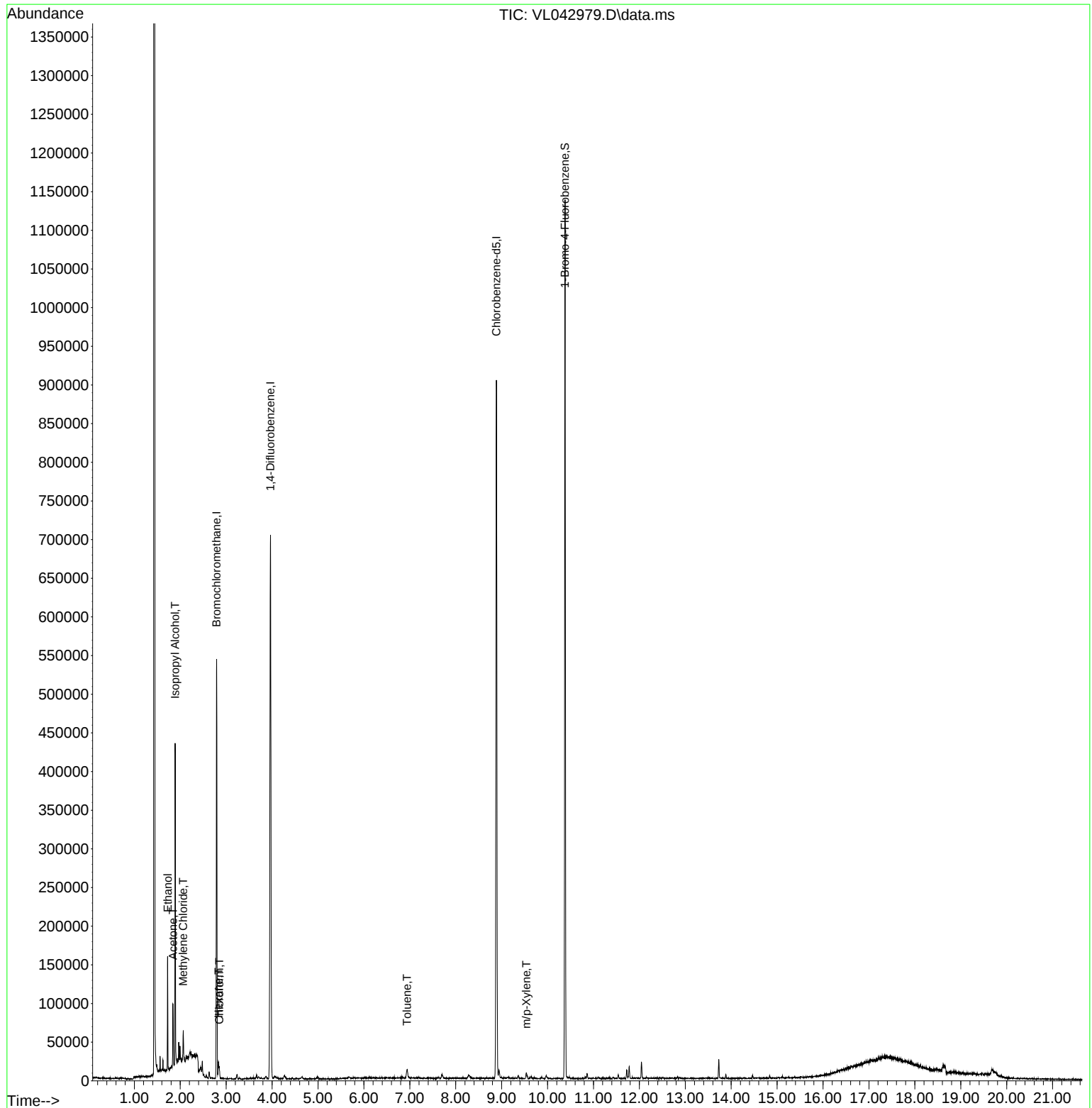
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
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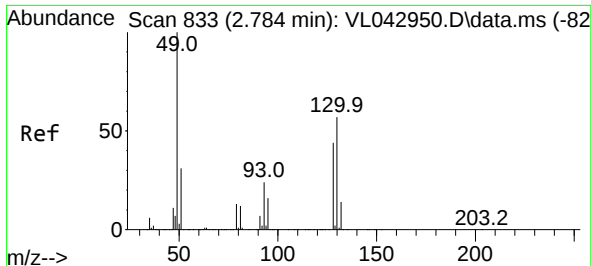
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration





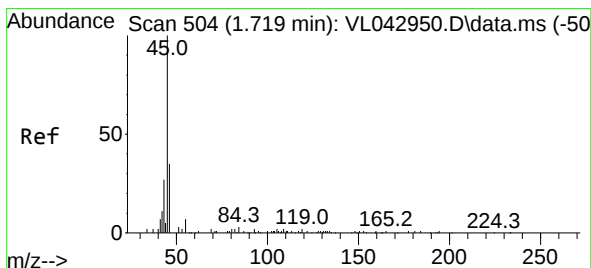
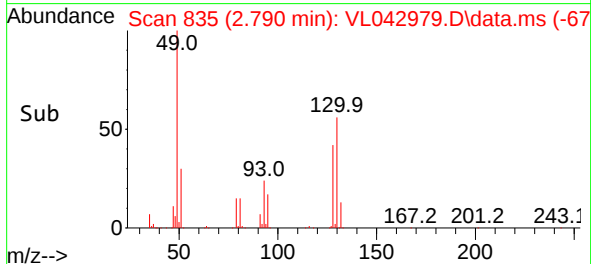
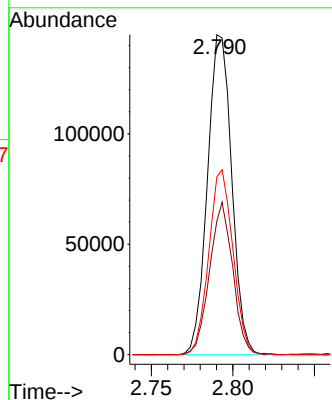
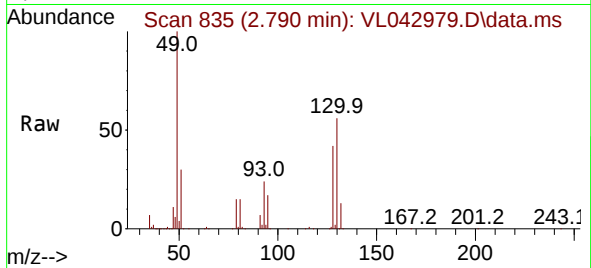
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042979.D
Acq: 23 Sep 2025 04:08

Instrument :
MSVOA_L
ClientSampleId :
151-1A-1DL

Tgt Ion: 49 Resp: 15028
Ion Ratio Lower Upper
49 100
128 45.4 22.9 68.8
130 57.6 29.1 87.3

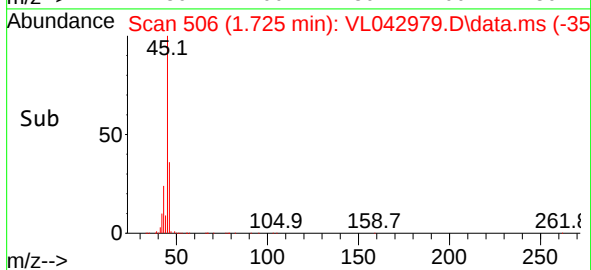
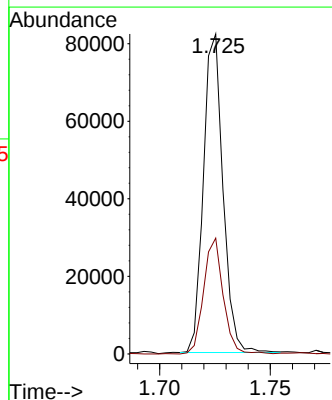
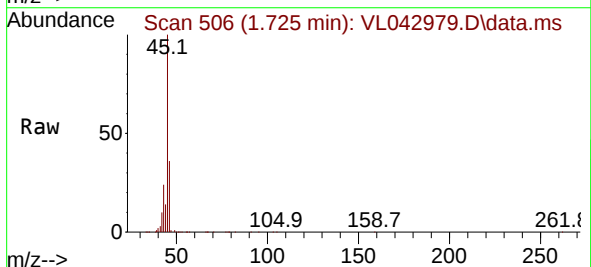
Manual Integrations
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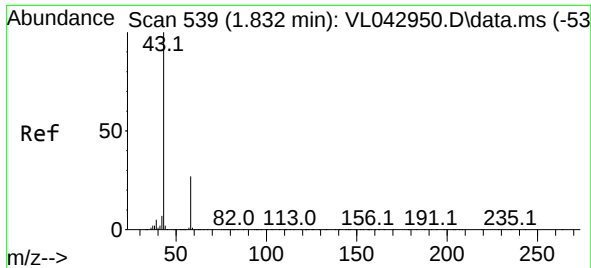
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#13
Ethanol
Concen: 47.435 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042979.D
Acq: 23 Sep 2025 04:08

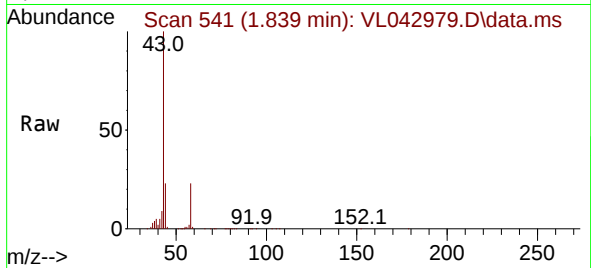
Tgt Ion: 45 Resp: 50434
Ion Ratio Lower Upper
45 100
46 37.4 16.2 64.6





#15
Acetone
Concen: 1.883 ppbv m
RT: 1.839 min Scan# 541
Delta R.T. 0.006 min
Lab File: VL042979.D
Acq: 23 Sep 2025 04:08

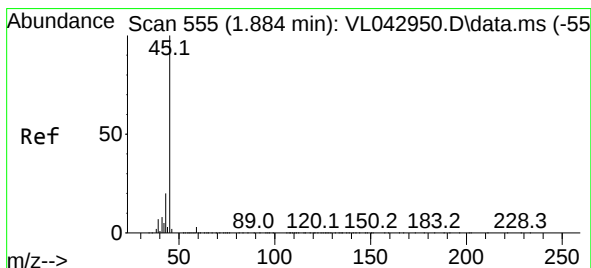
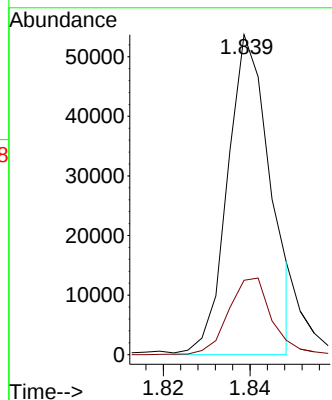
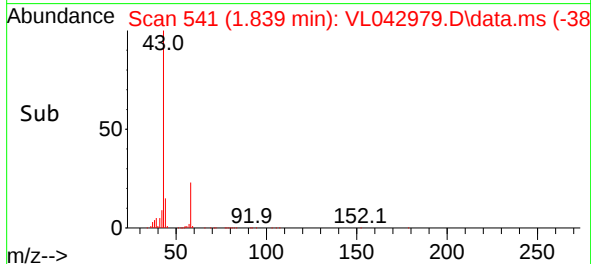
Instrument :
MSVOA_L
ClientSampleId :
151-1A-1DL



Tgt Ion: 43 Resp: 36864
Ion Ratio Lower Upper
43 100
58 24.9 22.3 33.5

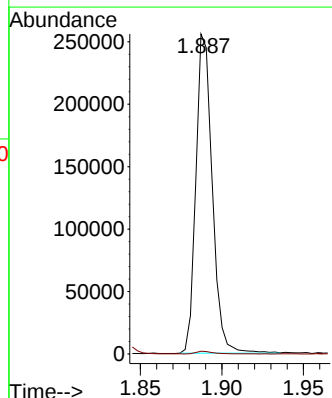
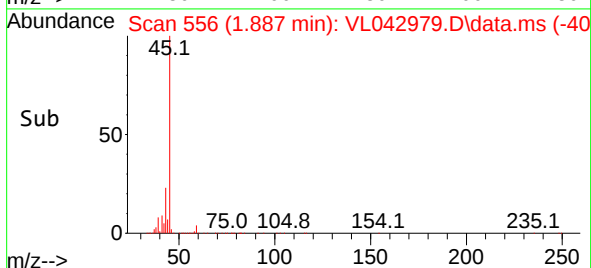
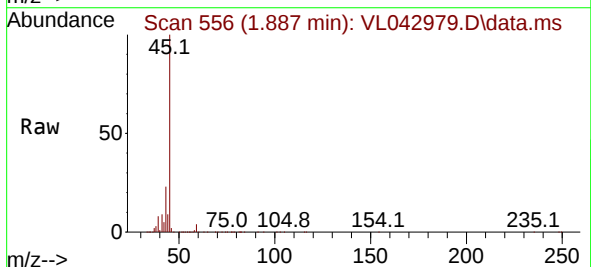
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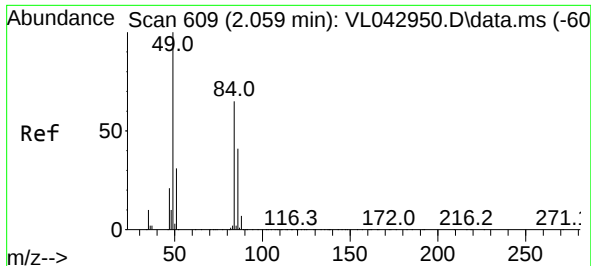
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#19
Isopropyl Alcohol
Concen: 15.200 ppbv
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042979.D
Acq: 23 Sep 2025 04:08

Tgt Ion: 45 Resp: 178860
Ion Ratio Lower Upper
45 100
58 0.9 31.0 46.6#





#20

Methylene Chloride

Concen: 0.196 ppbv

RT: 2.065 min Scan# 611

Delta R.T. 0.006 min

Lab File: VL042979.D

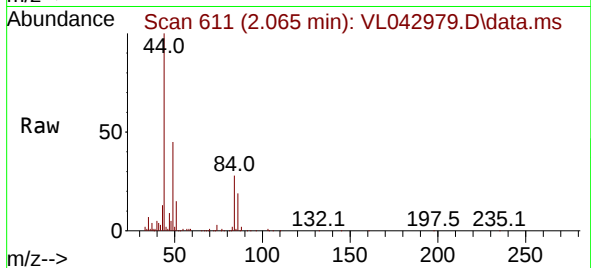
Acq: 23 Sep 2025 04:08

Instrument :

MSVOA_L

ClientSampleId :

151-1A-1DL



Tgt Ion: 84 Resp: 4978

Ion Ratio Lower Upper

84 100

49 160.0 124.1 186.1

51 50.6 39.8 59.8

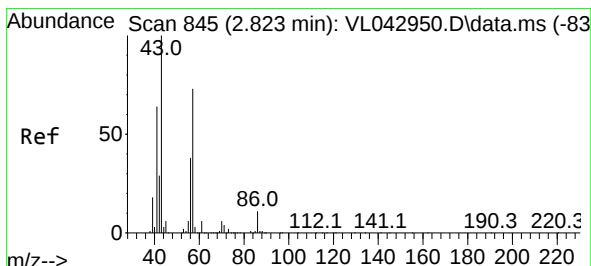
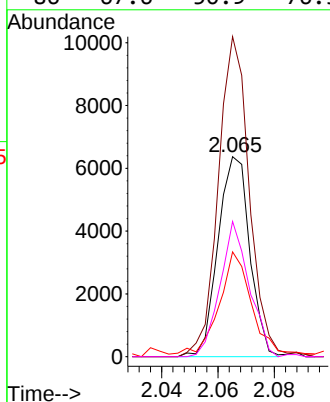
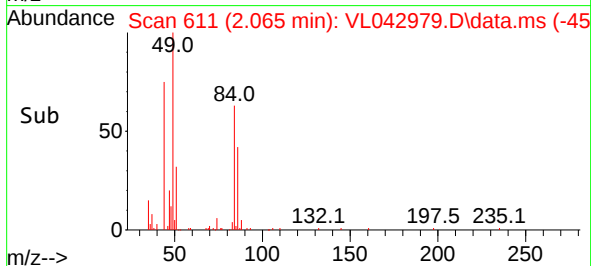
86 67.6 50.9 76.3

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Supervised By :Semsettin Yesilyurt 09/24/2025



#26

Hexane

Concen: 0.196 ppbv

RT: 2.832 min Scan# 848

Delta R.T. 0.010 min

Lab File: VL042979.D

Acq: 23 Sep 2025 04:08

Tgt Ion: 57 Resp: 4418

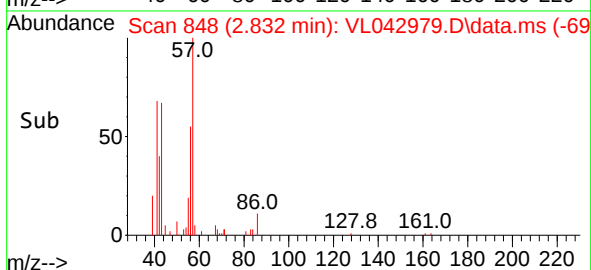
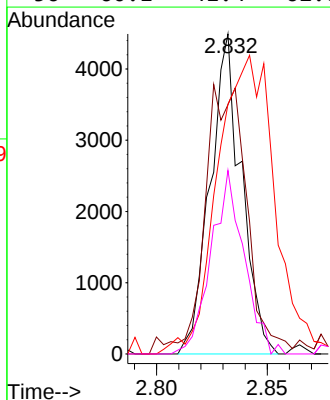
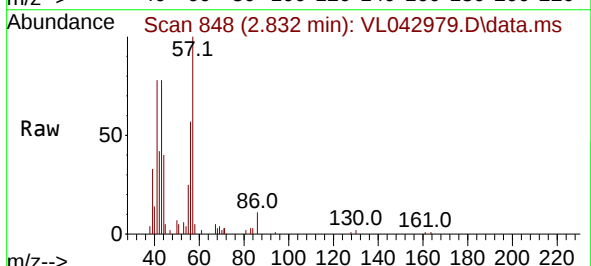
Ion Ratio Lower Upper

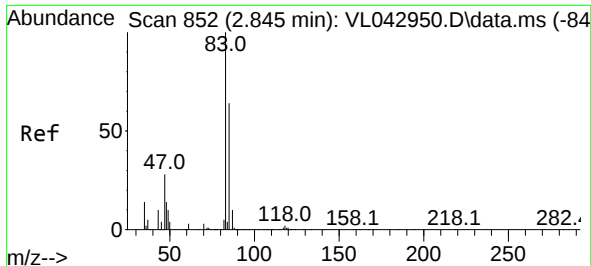
57 100

41 115.3 71.7 107.5#

43 174.1 180.8 271.2#

56 60.1 41.4 62.0





#29

Chloroform

Concen: 0.105 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.006 min

Lab File: VL042979.D

Acq: 23 Sep 2025 04:08

Instrument :

MSVOA_L

ClientSampleId :

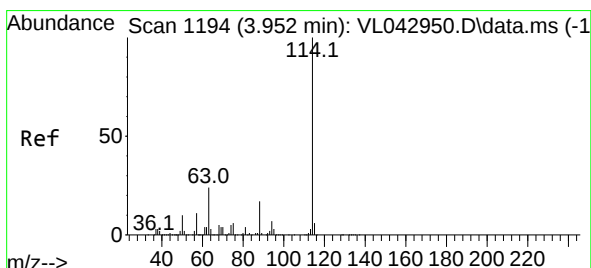
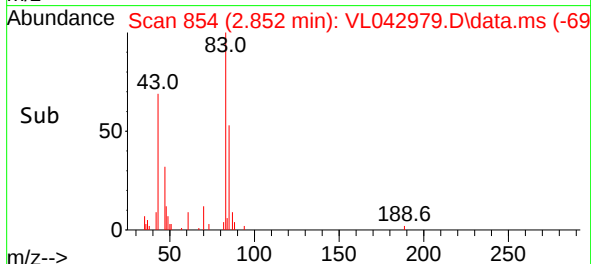
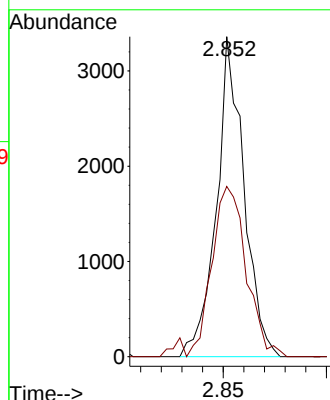
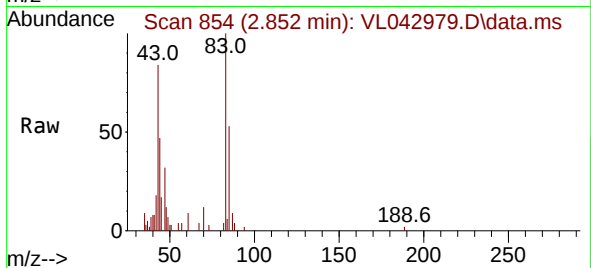
151-1A-1DL

Tgt Ion:	83	Resp:	310
Ion	Ratio	Lower	Upper
83	100		
85	51.4	51.2	76.8

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

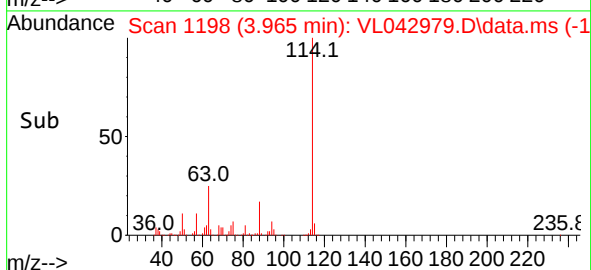
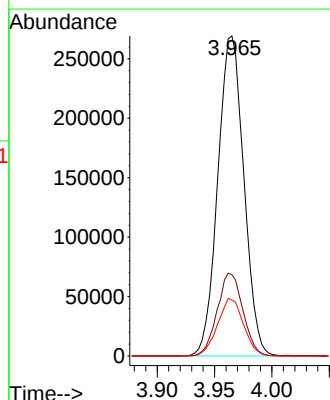
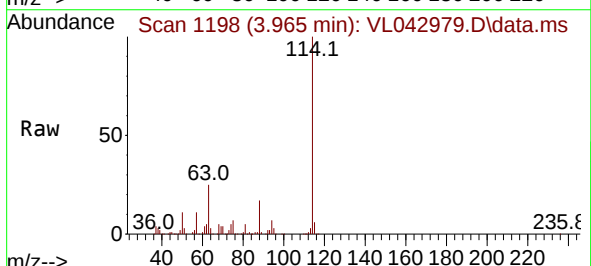
RT: 3.965 min Scan# 1198

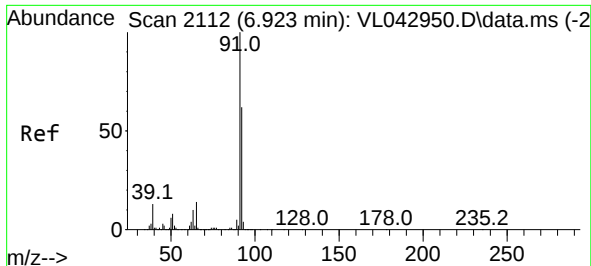
Delta R.T. 0.013 min

Lab File: VL042979.D

Acq: 23 Sep 2025 04:08

Tgt Ion:	114	Resp:	424605
Ion	Ratio	Lower	Upper
114	100		
63	25.5	19.4	29.2
88	17.9	14.2	21.2





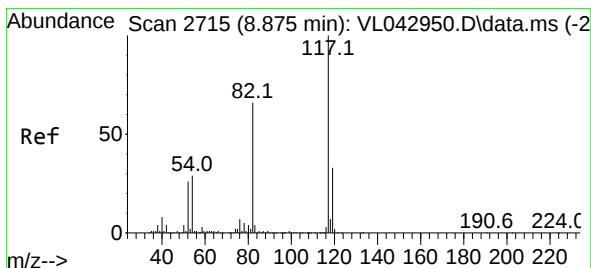
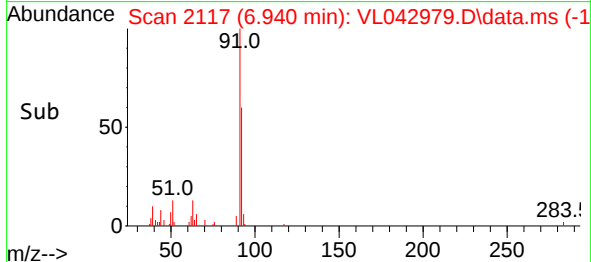
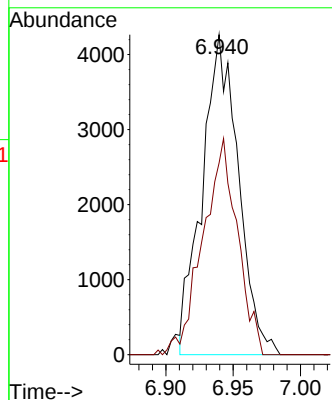
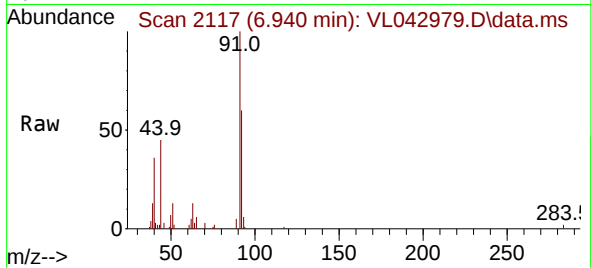
#53
Toluene
Concen: 0.170 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. 0.016 min
Lab File: VL042979.D
Acq: 23 Sep 2025 04:08

Instrument :
MSVOA_L
ClientSampleId :
151-1A-1DL

Tgt Ion: 91 Resp: 801
Ion Ratio Lower Upper
91 100
92 64.0 48.2 72.2

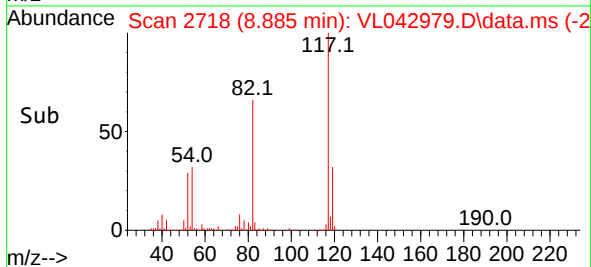
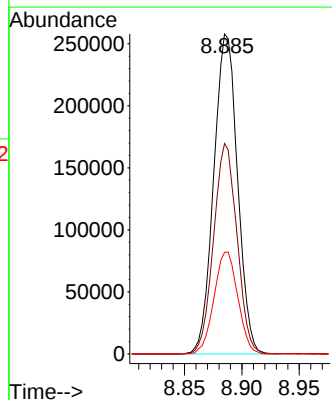
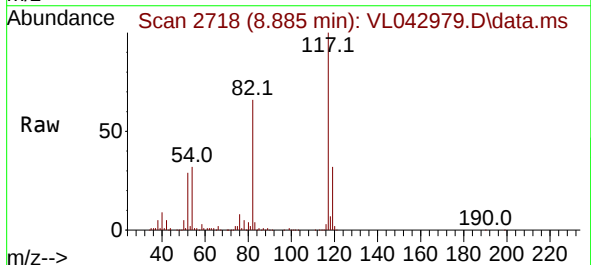
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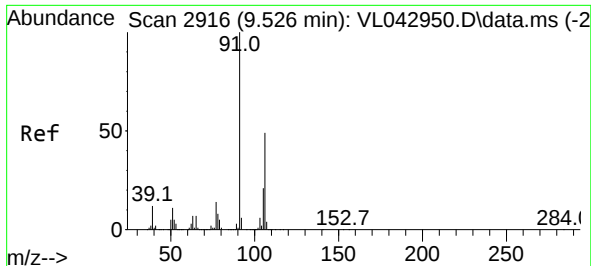
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2718
Delta R.T. 0.010 min
Lab File: VL042979.D
Acq: 23 Sep 2025 04:08

Tgt Ion:117 Resp: 372157
Ion Ratio Lower Upper
117 100
82 64.7 52.8 79.2
119 31.9 26.5 39.7





#59

m/p-Xylene

Concen: 0.100 ppbv

RT: 9.539 min Scan# 2916

Delta R.T. 0.013 min

Lab File: VL042979.D

Acq: 23 Sep 2025 04:08

Instrument :

MSVOA_L

ClientSampleId :

151-1A-1DL

Tgt Ion: 91 Resp: 482

Ion Ratio Lower Upper

91 100

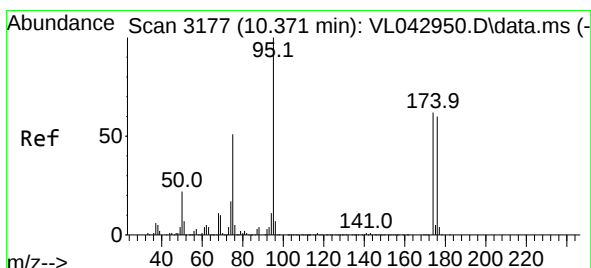
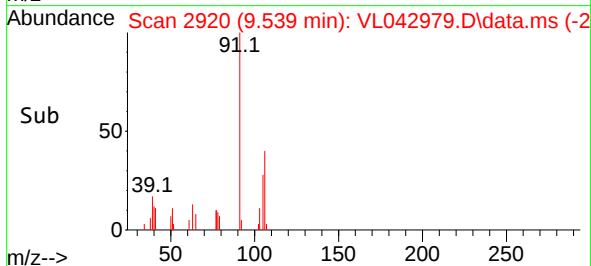
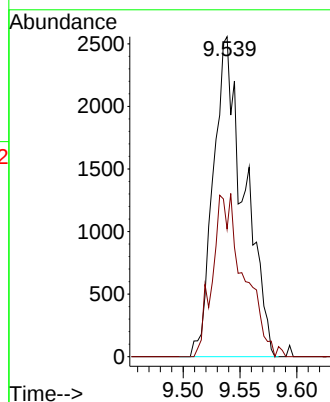
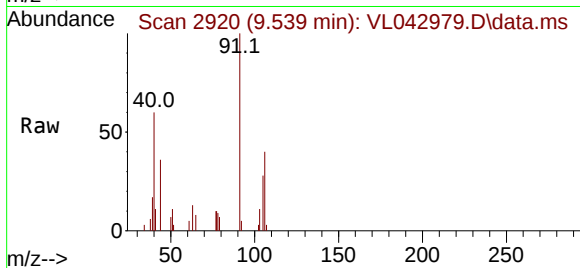
106 51.9 0.0 0.0

Manual Integrations

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Supervised By :Semsettin Yesilyurt 09/24/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.292 ppbv

RT: 10.380 min Scan# 3180

Delta R.T. 0.010 min

Lab File: VL042979.D

Acq: 23 Sep 2025 04:08

Tgt Ion: 95 Resp: 285913

Ion Ratio Lower Upper

95 100

174 61.3 51.4 77.2

175 4.6 4.0 6.0

