

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
 Data File : VL042183.D
 Acq On : 27 Mar 2025 17:13
 Operator : SY/MD
 Sample : Q1649-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 03/31/2025
 Supervised By : Mahesh Dadoda 04/03/2025

Quant Time: Mar 28 07:48:49 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri Mar 28 02:00:52 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.787	49	186939	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	535675	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.881	117	487132	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.374	95	402708	10.067	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.700%	
Target Compounds						
						Qvalue
9) Propene	1.479	41	6544	0.506	ppbv	96
10) Heptane	4.975	43	7263m	0.211	ppbv	
13) Ethanol	1.722	45	6167m	5.048	ppbv	
15) Acetone	1.835	43	26694	1.021	ppbv	99
26) Hexane	2.822	57	93163	3.554	ppbv	# 29
52) Tetrachloroethene	8.224	164	3186m	0.151	ppbv	
53) Toluene	6.939	91	14199m	0.226	ppbv	
59) m/p-Xylene	9.526	91	13651m	0.198	ppbv	

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

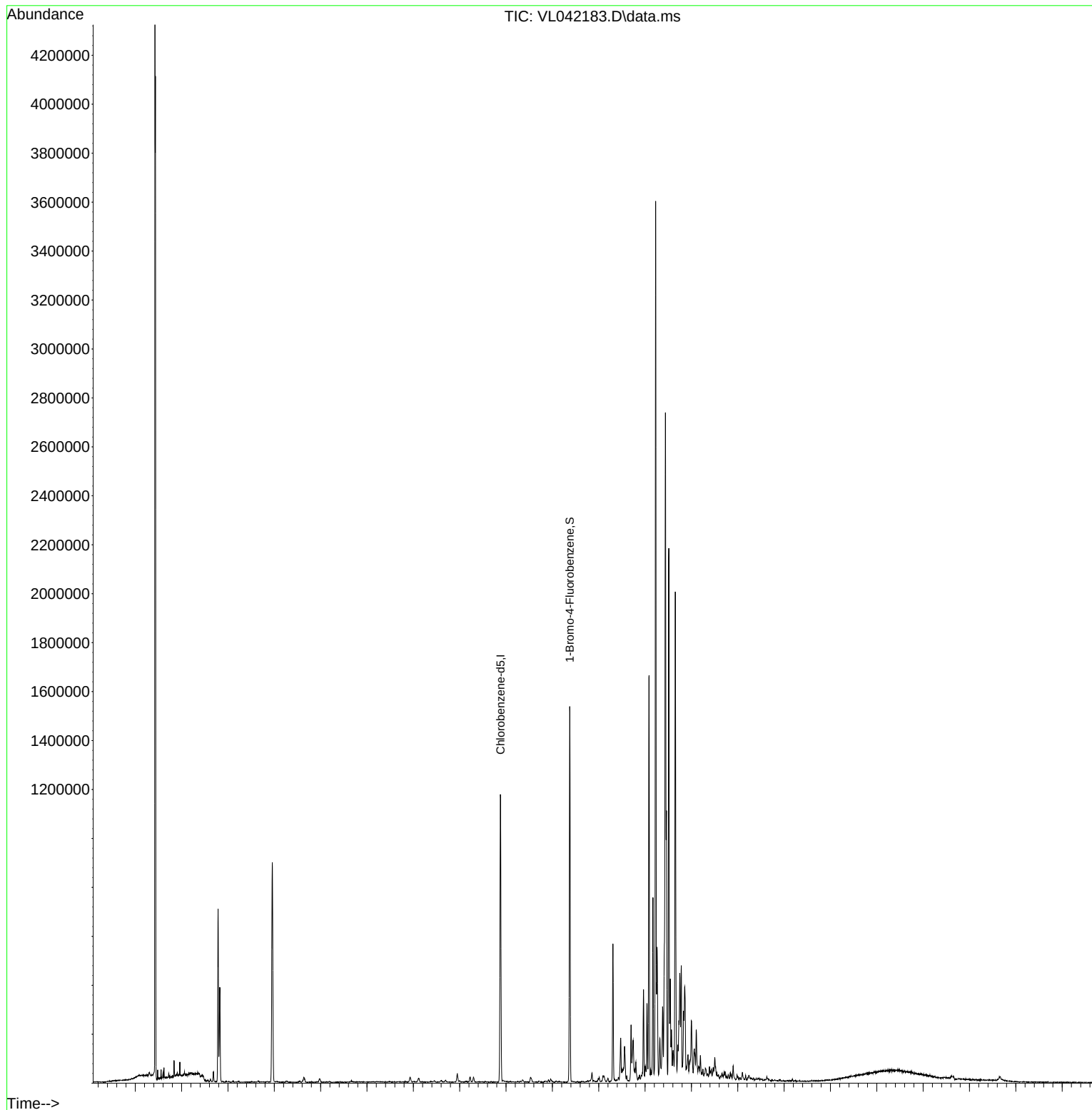
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL032725\
Data File : VL042183.D
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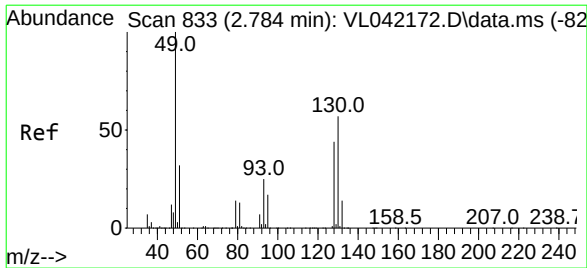
Instrument :
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SV1

Quant Time: Mar 28 07:48:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL032725AIR.M
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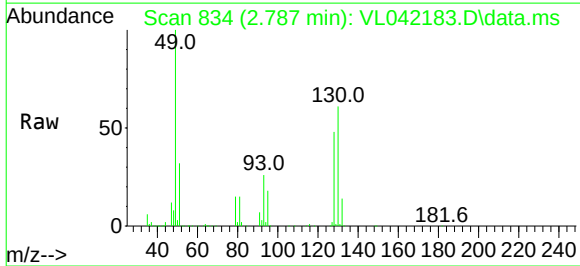
Reviewed By : Semsettin Yesilyurt 03/31/2025
Supervised By : Mahesh Dadoda 04/03/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 833
Delta R.T. 0.003 min
Lab File: VL042183.D
Acq: 27 Mar 2025 17:13

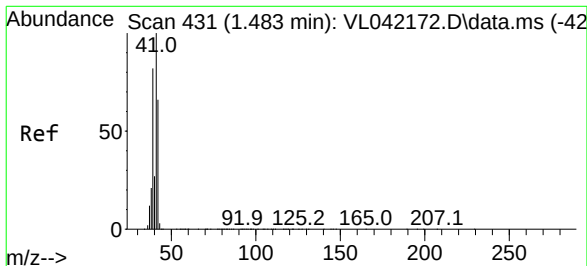
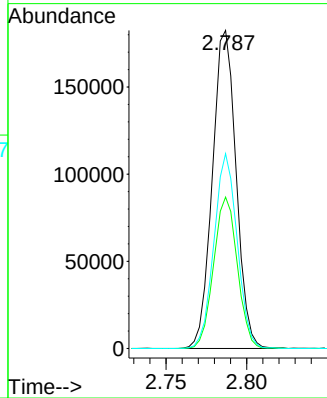
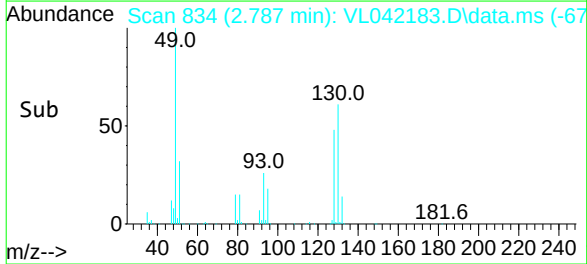
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 49 Resp: 186939
Ion Ratio Lower Upper
49 100
128 47.5 22.9 68.5
130 59.8 28.8 86.4

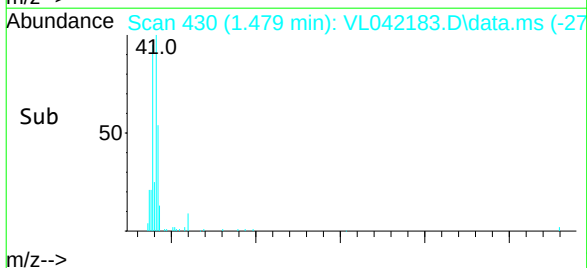
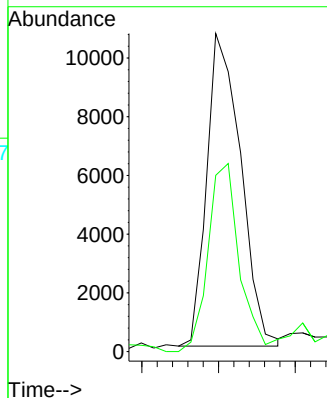
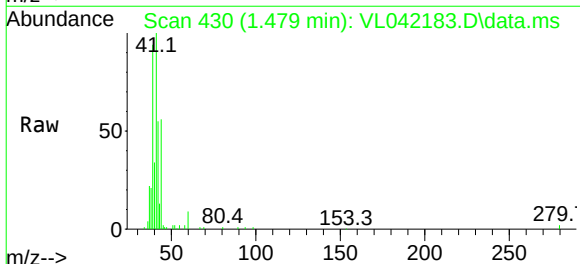
Manual Integrations
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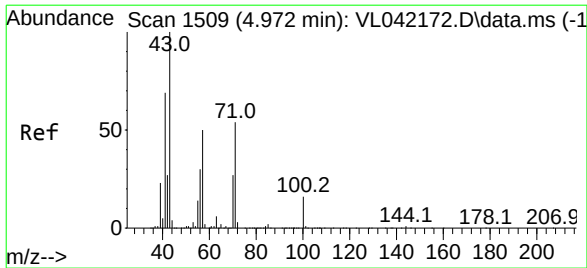
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#9
Propene
Concen: 0.506 ppbv
RT: 1.479 min Scan# 430
Delta R.T. -0.004 min
Lab File: VL042183.D
Acq: 27 Mar 2025 17:13

Tgt Ion: 41 Resp: 6544
Ion Ratio Lower Upper
41 100
42 66.3 55.4 83.2





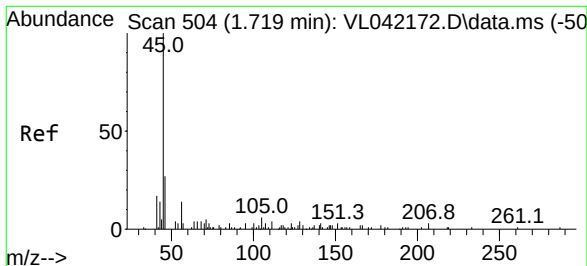
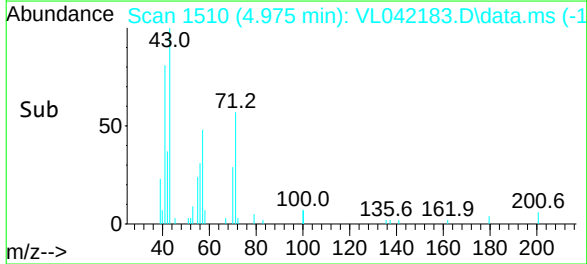
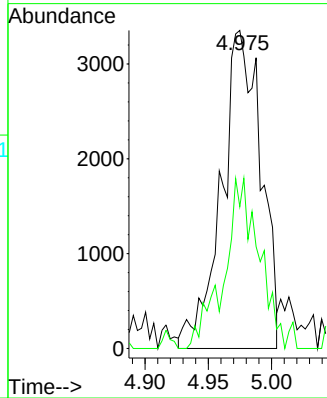
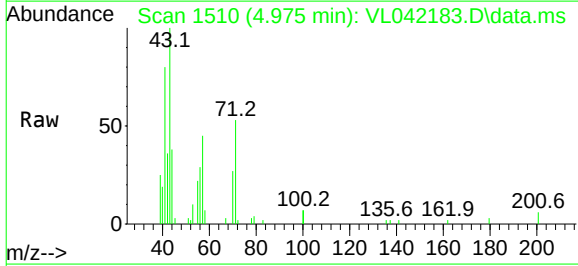
#10
Heptane
Concen: 0.211 ppbv m
RT: 4.975 min Scan# 1509
Delta R.T. 0.003 min
Lab File: VL042183.D
Acq: 27 Mar 2025 17:13

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 7263
Ion Ratio Lower Upper
43 100
57 49.8 39.4 59.2

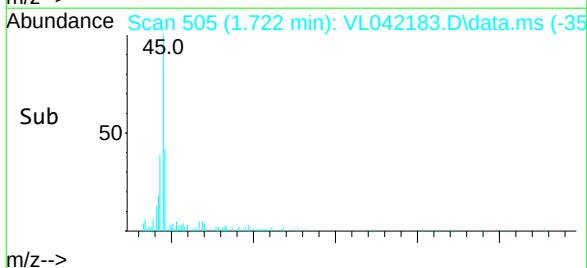
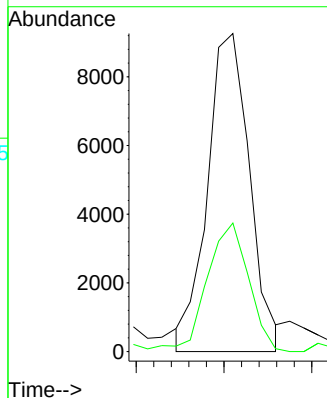
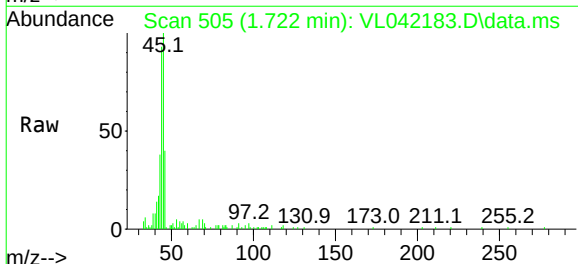
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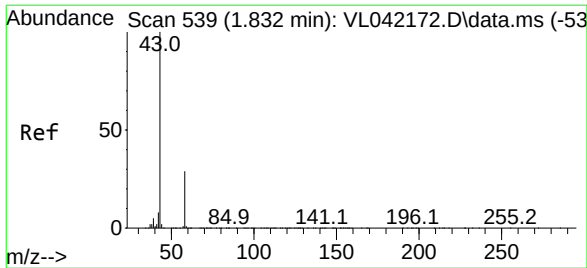
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#13
Ethanol
Concen: 5.048 ppbv m
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042183.D
Acq: 27 Mar 2025 17:13

Tgt Ion: 45 Resp: 6167
Ion Ratio Lower Upper
45 100
46 0.0 20.2 80.8#





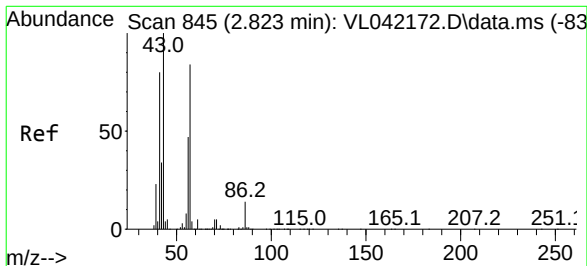
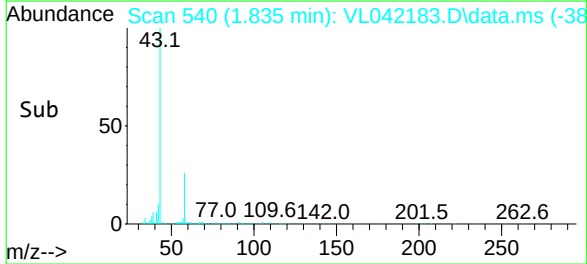
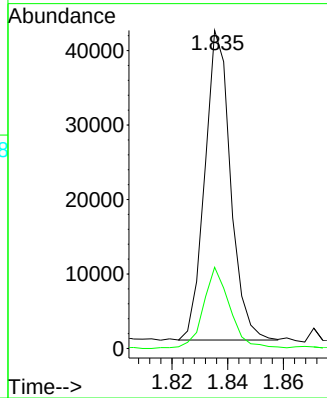
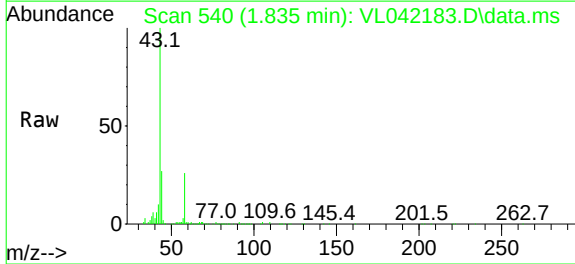
#15
Acetone
Concen: 1.021 ppbv
RT: 1.835 min Scan# 54
Delta R.T. 0.003 min
Lab File: VL042183.D
Acq: 27 Mar 2025 17:13

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 43 Resp: 26694
Ion Ratio Lower Upper
43 100
58 28.2 23.2 34.8

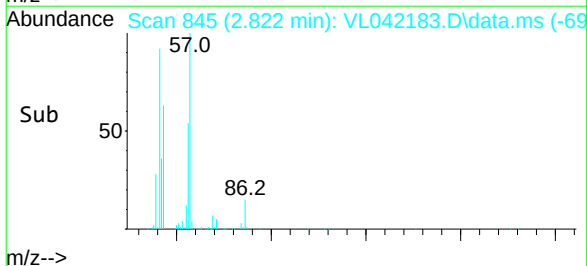
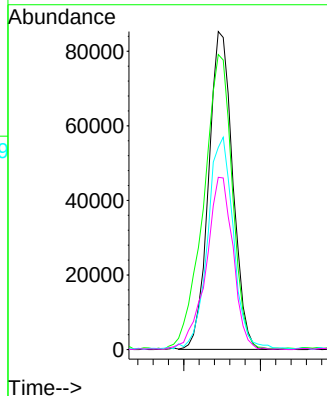
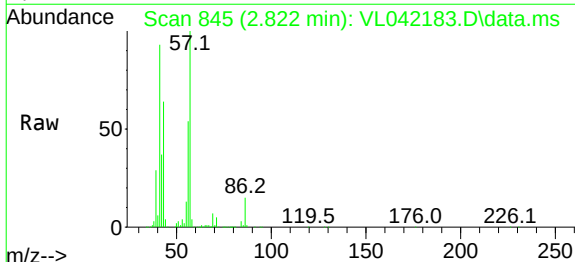
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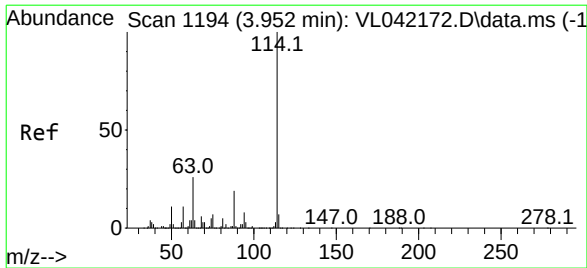
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#26
Hexane
Concen: 3.554 ppbv
RT: 2.822 min Scan# 845
Delta R.T. -0.000 min
Lab File: VL042183.D
Acq: 27 Mar 2025 17:13

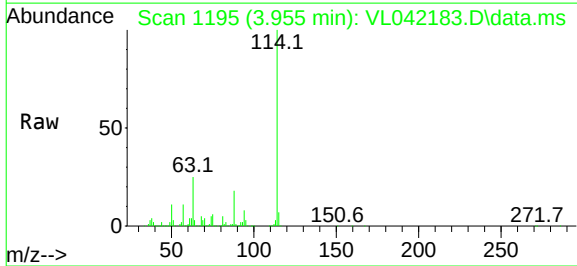
Tgt Ion: 57 Resp: 93163
Ion Ratio Lower Upper
57 100
41 110.1 76.6 114.8
43 72.3 207.8 311.8#
56 61.0 43.6 65.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1194
Delta R.T. 0.003 min
Lab File: VL042183.D
Acq: 27 Mar 2025 17:13

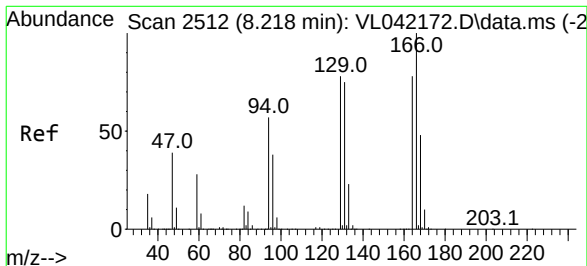
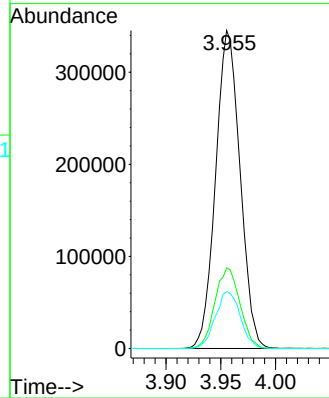
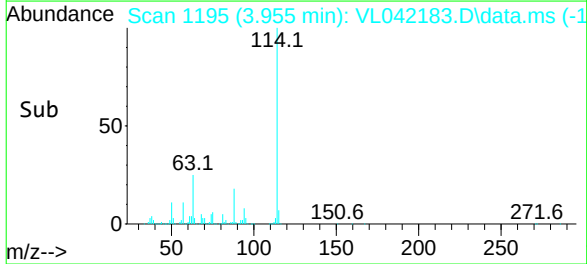
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion:114 Resp: 535675
Ion Ratio Lower Upper
114 100
63 26.0 20.7 31.1
88 18.2 15.0 22.4

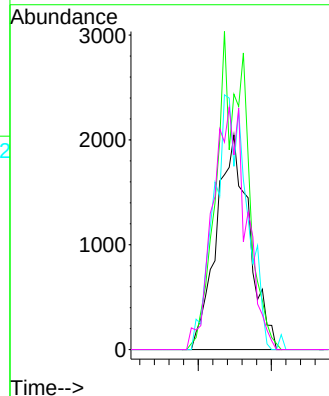
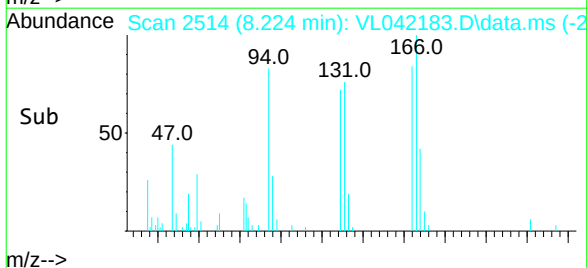
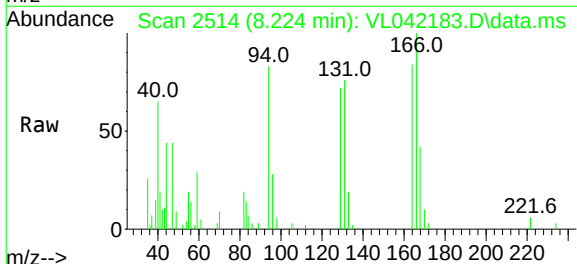
Manual Integrations
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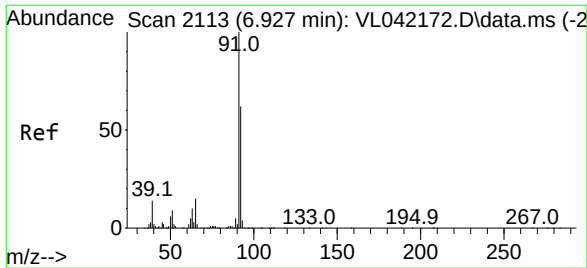
Reviewed By :Semsettin Yesilyurt 03/31/2025
Supervised By :Mahesh Dadoda 04/03/2025



#52
Tetrachloroethene
Concen: 0.151 ppbv m
RT: 8.224 min Scan# 2514
Delta R.T. 0.006 min
Lab File: VL042183.D
Acq: 27 Mar 2025 17:13

Tgt Ion:164 Resp: 3186
Ion Ratio Lower Upper
164 100
166 119.0 102.5 153.7
129 85.4 79.8 119.8
131 90.7 76.6 114.8





#53

Toluene

Concen: 0.226 ppbv m

RT: 6.939 min Scan# 2113

Delta R.T. 0.013 min

Lab File: VL042183.D

Acq: 27 Mar 2025 17:13

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 14199

Ion Ratio Lower Upper

91 100

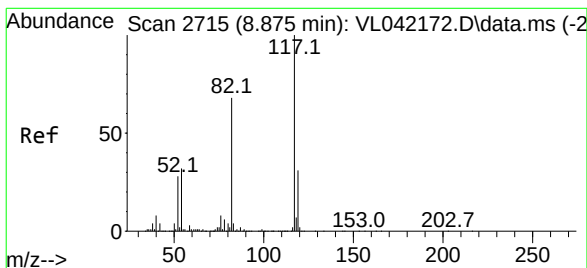
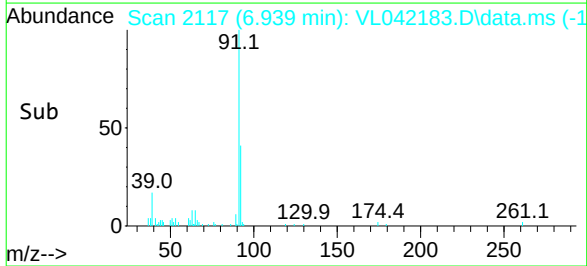
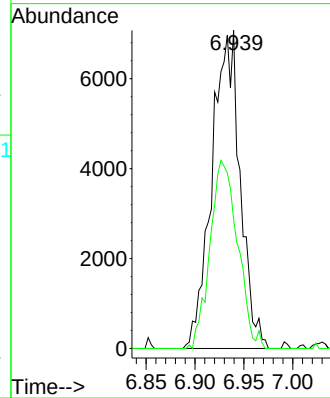
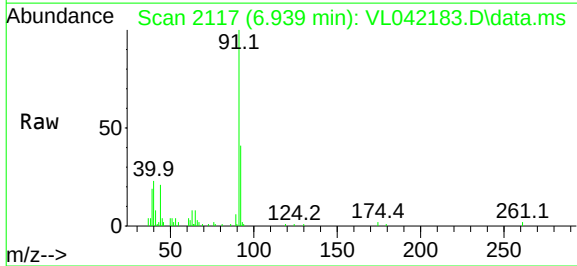
92 57.9 48.4 72.6

Manual Integrations

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Supervised By :Mahesh Dadoda 04/03/2025



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.881 min Scan# 2717

Delta R.T. 0.006 min

Lab File: VL042183.D

Acq: 27 Mar 2025 17:13

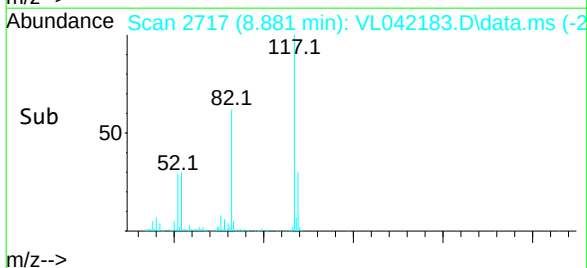
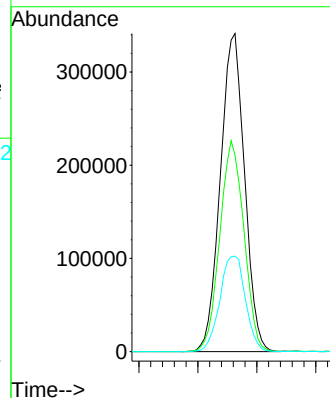
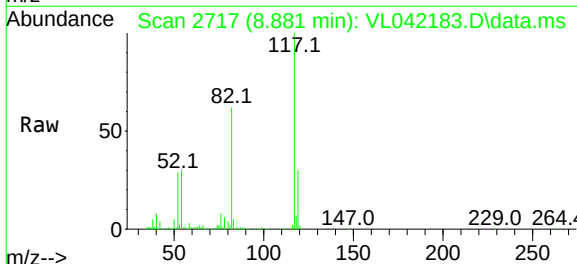
Tgt Ion:117 Resp: 487132

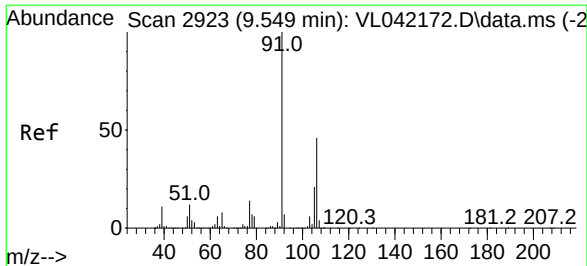
Ion Ratio Lower Upper

117 100

82 66.0 55.8 83.6

119 31.7 25.5 38.3





#59

m/p-Xylene

Concen: 0.198 ppbv m

RT: 9.526 min Scan# 29

Delta R.T. -0.023 min

Lab File: VL042183.D

Acq: 27 Mar 2025 17:13

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 91 Resp: 13651

Ion Ratio Lower Upper

91 100

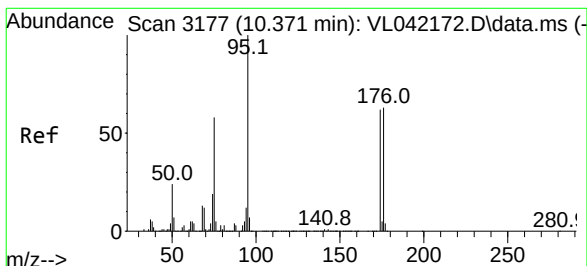
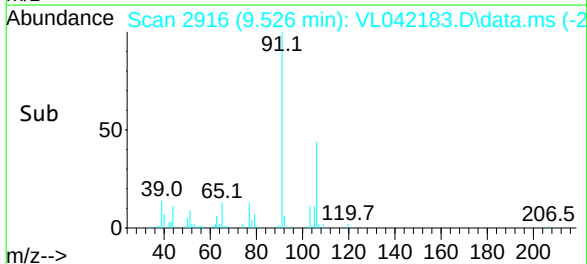
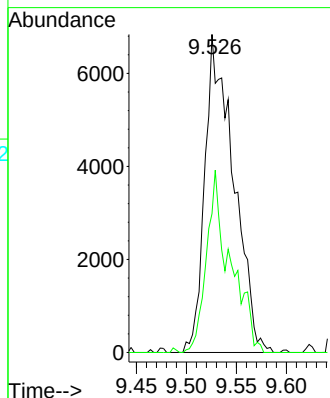
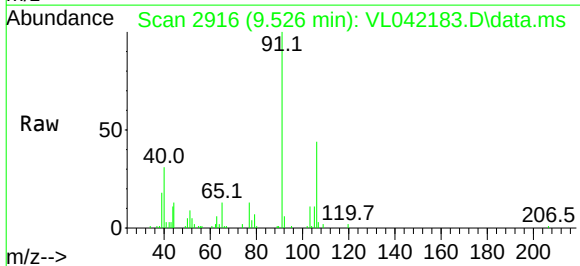
106 0.0 36.4 54.6#

Manual Integrations

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Supervised By :Mahesh Dadoda 04/03/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.067 ppbv

RT: 10.374 min Scan# 3178

Delta R.T. 0.003 min

Lab File: VL042183.D

Acq: 27 Mar 2025 17:13

Tgt Ion: 95 Resp: 402708

Ion Ratio Lower Upper

95 100

174 60.6 50.6 76.0

175 4.7 3.8 5.6

