

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041921.D
 Acq On : 20 Jan 2025 15:41
 Operator : SY/MD
 Sample : Q1090-01 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Quant Time: Jan 21 03:04:35 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025

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

Internal Standards						
1) Bromochloromethane	2.784	49	139199	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	3.955	114	390655	10.000	ppbv	-0.02
55) Chlorobenzene-d5	8.875	117	351878	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	277385	10.008	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.100%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.499	85	2523	0.133	ppbv	# 77
4) Chloromethane	1.531	50	1099	0.154	ppbv	# 72
13) Ethanol	1.716	45	1841m	3.072	ppbv	
15) Acetone	1.835	43	11657	0.697	ppbv	99
19) Isopropyl Alcohol	1.887	45	1643m	0.166	ppbv	
20) Methylene Chloride	2.059	84	3438	0.520	ppbv	# 86
26) Hexane	2.823	57	3966	0.222	ppbv	# 39
80) Naphthalene,2-methyl-	14.458	142	2537	0.106	ppbv	96

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

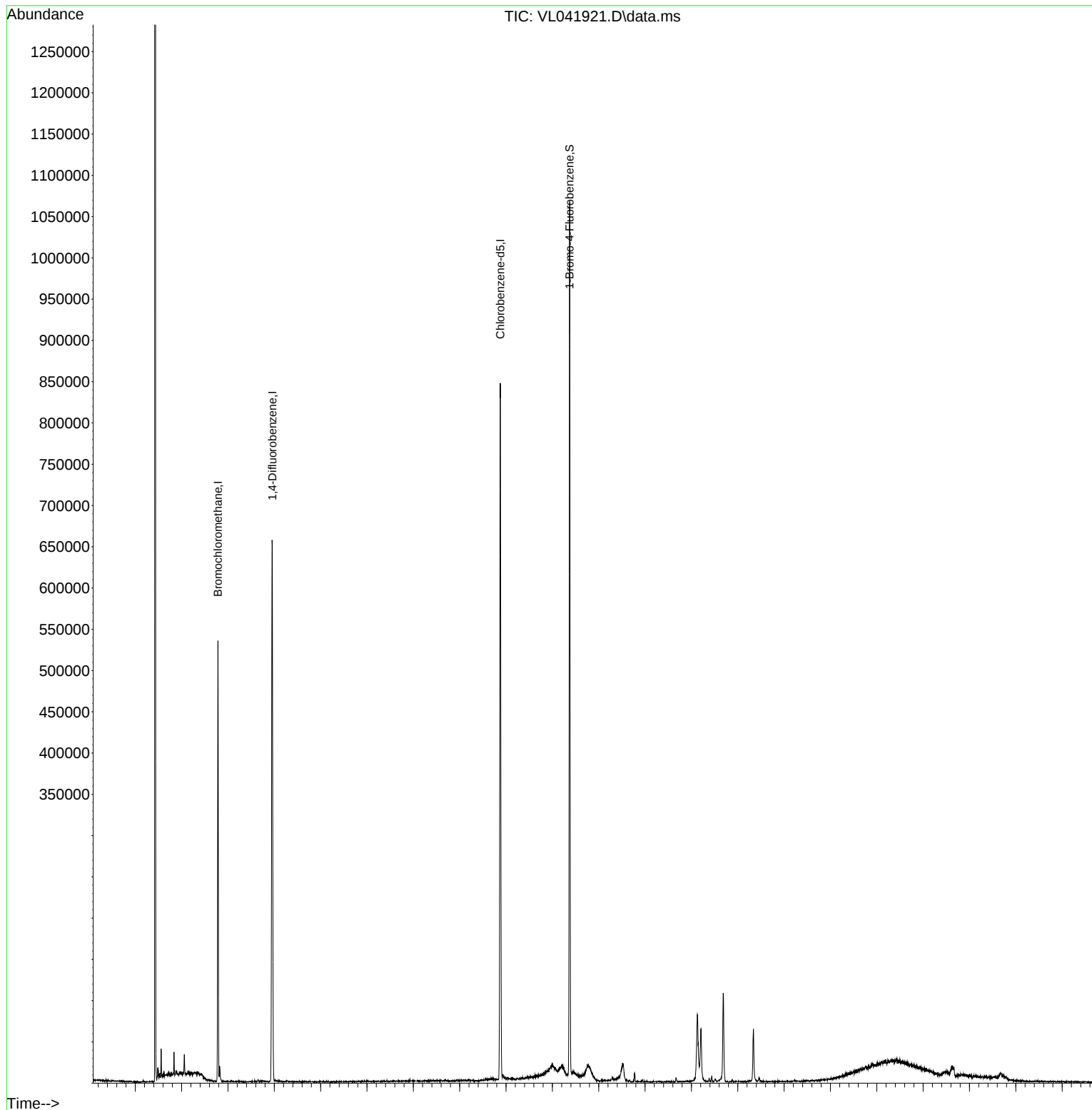
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
Data File : VL041921.D
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Sample : Q1090-01 4X
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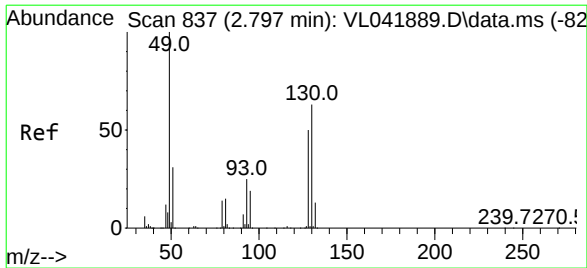
Instrument :
MSVOA_L
ClientSampleId :
SV1

Quant Time: Jan 21 03:04:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
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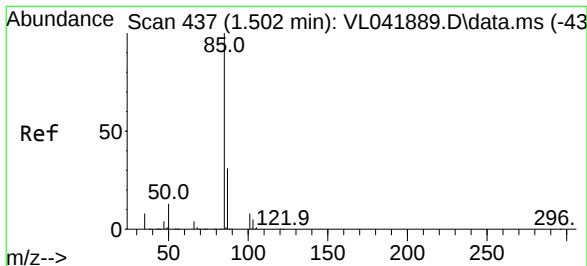
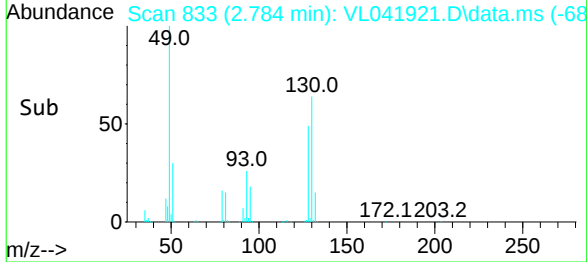
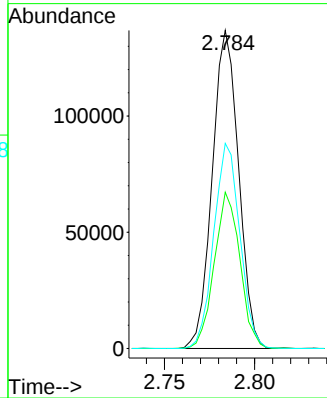
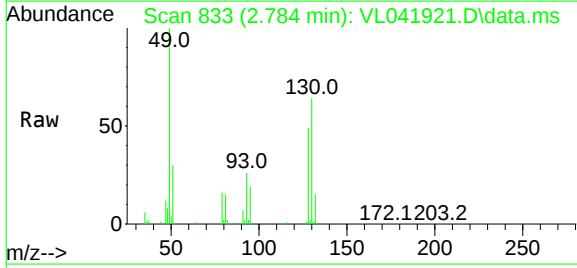
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 837
Delta R.T. -0.013 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 49 Resp: 139199
Ion Ratio Lower Upper
49 100
128 47.8 24.3 73.0
130 63.8 31.1 93.2

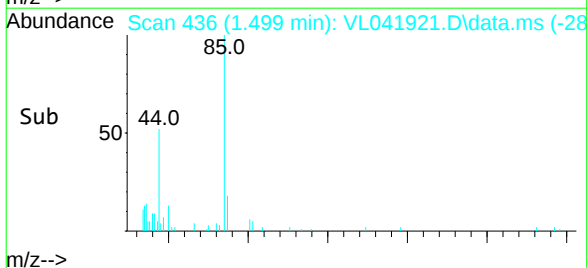
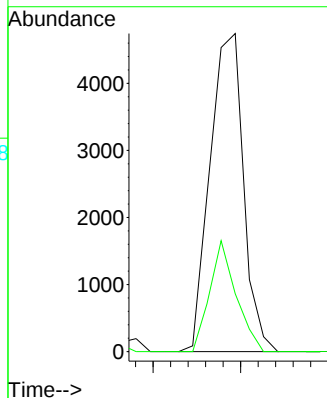
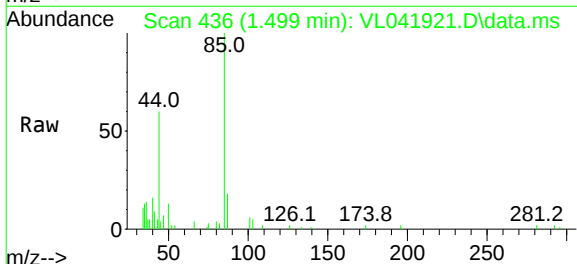
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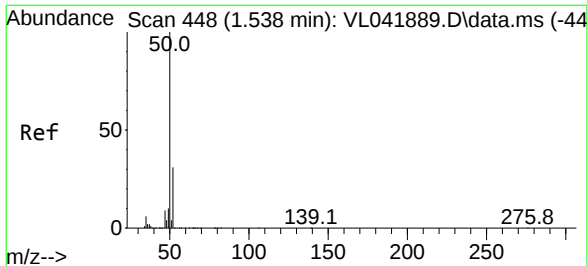
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#2
Dichlorodifluoromethane
Concen: 0.133 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.003 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

Tgt Ion: 85 Resp: 2523
Ion Ratio Lower Upper
85 100
87 18.2 24.9 37.3#





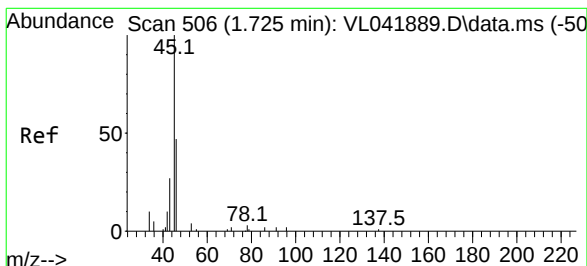
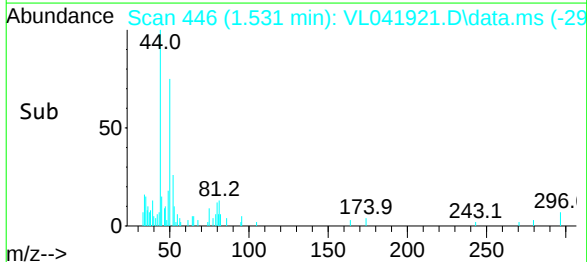
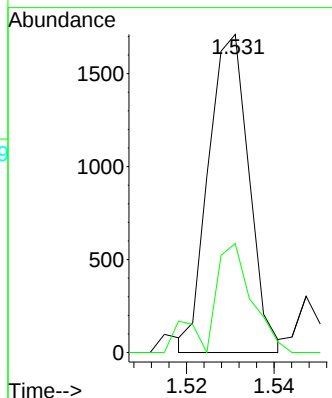
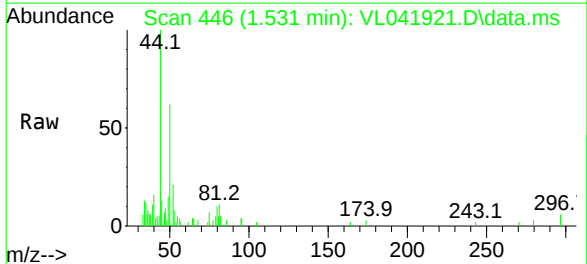
#4
Chloromethane
Concen: 0.154 ppbv
RT: 1.531 min Scan# 44
Delta R.T. -0.006 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tgt Ion: 50 Resp: 1099
Ion Ratio Lower Upper
50 100
52 46.1 24.6 36.8#

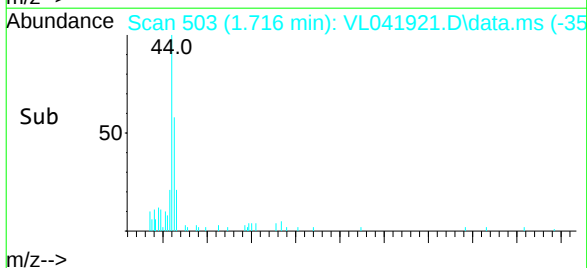
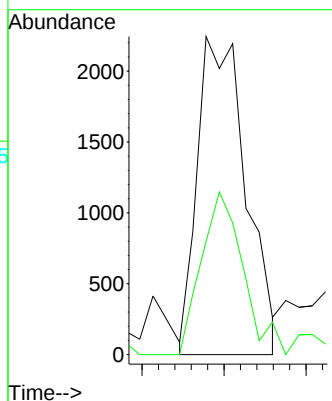
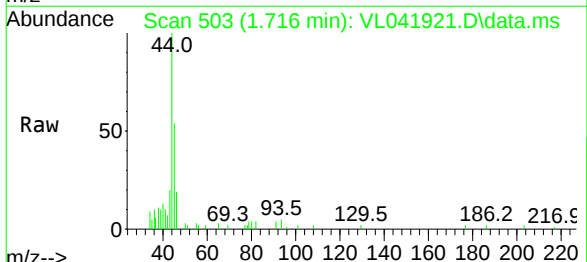
Manual Integrations
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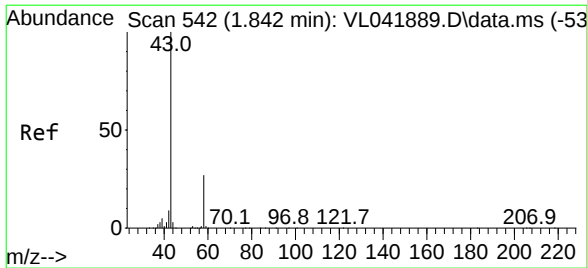
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#13
Ethanol
Concen: 3.072 ppbv m
RT: 1.716 min Scan# 503
Delta R.T. -0.010 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

Tgt Ion: 45 Resp: 1841
Ion Ratio Lower Upper
45 100
46 4205.4 18.1 72.5#





#15

Acetone

Concen: 0.697 ppbv

RT: 1.835 min Scan# 54

Delta R.T. -0.006 min

Lab File: VL041921.D

Acq: 20 Jan 2025 15:41

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tgt Ion: 43 Resp: 11657

Ion Ratio Lower Upper

43 100

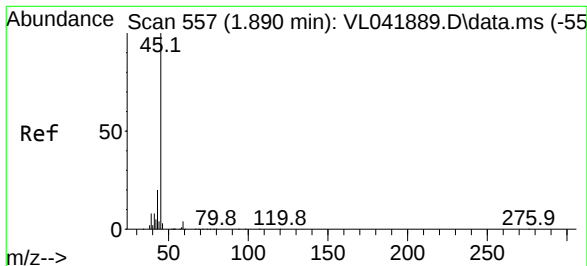
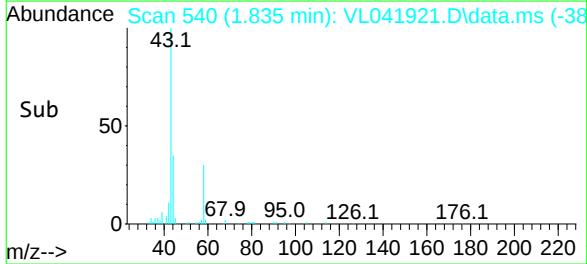
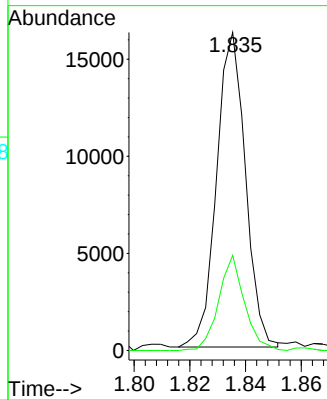
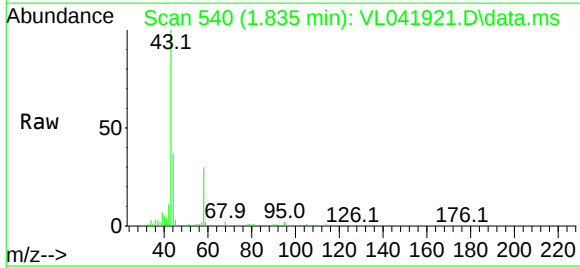
58 27.9 21.9 32.9

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#19

Isopropyl Alcohol

Concen: 0.166 ppbv m

RT: 1.887 min Scan# 556

Delta R.T. -0.003 min

Lab File: VL041921.D

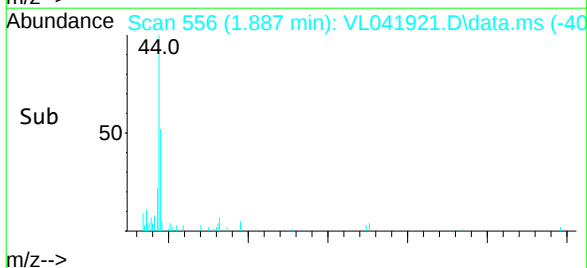
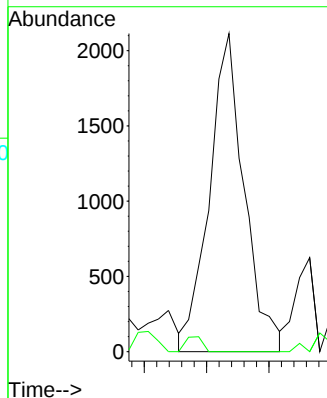
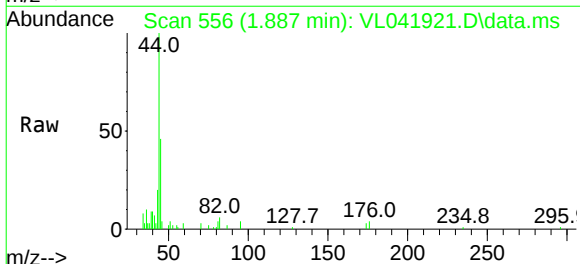
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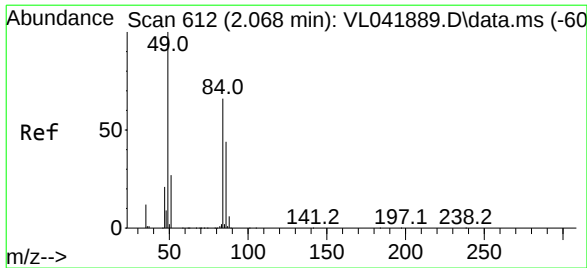
Tgt Ion: 45 Resp: 1643

Ion Ratio Lower Upper

45 100

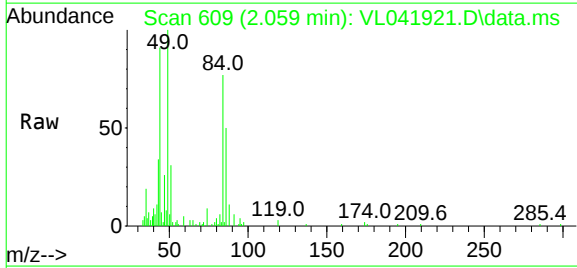
58 8.8 35.0 52.6#





#20
Methylene Chloride
Concen: 0.520 ppbv
RT: 2.059 min Scan# 609
Delta R.T. -0.010 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

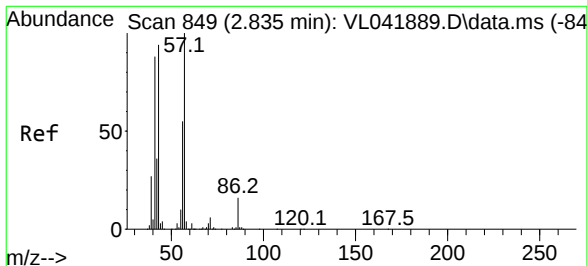
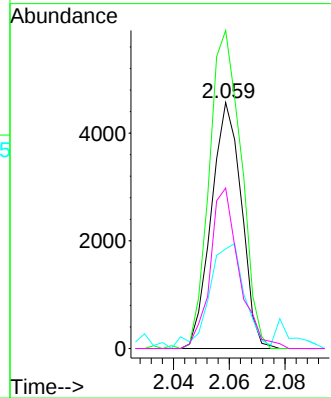
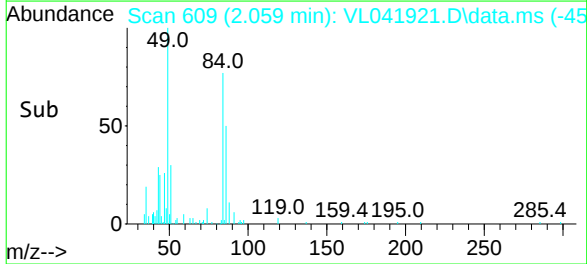
Instrument :
MSVOA_L
ClientSampleId :
SV1



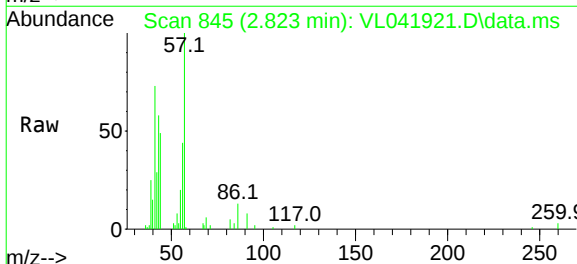
Tgt Ion: 84 Resp: 3438
Ion Ratio Lower Upper
84 100
49 129.3 123.1 184.7
51 35.7 35.8 53.8#
86 65.2 53.7 80.5

Manual Integrations
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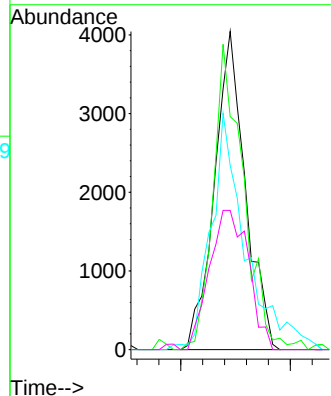
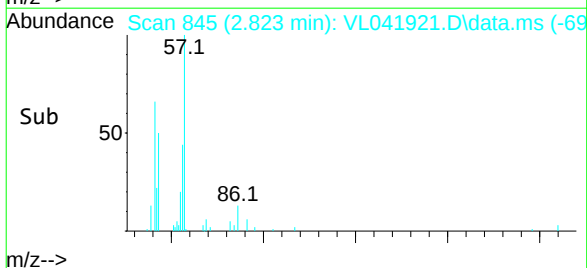
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Supervised By :Mahesh Dadoda 01/21/2025

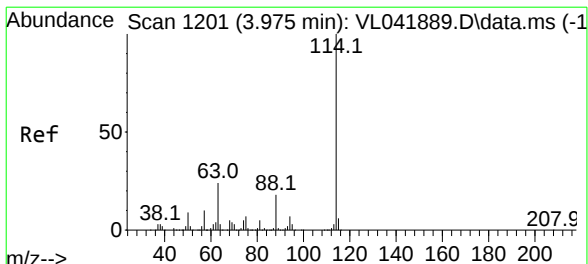


#26
Hexane
Concen: 0.222 ppbv
RT: 2.823 min Scan# 845
Delta R.T. -0.013 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41



Tgt Ion: 57 Resp: 3966
Ion Ratio Lower Upper
57 100
41 96.1 73.8 110.8
43 83.4 197.3 295.9#
56 55.9 42.7 64.1





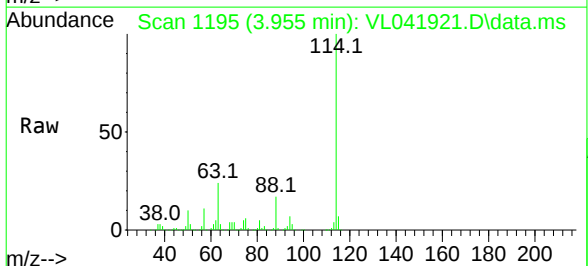
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.955 min Scan# 11
 Delta R.T. -0.019 min
 Lab File: VL041921.D
 Acq: 20 Jan 2025 15:41

Instrument :

MSVOA_L

ClientSampleId :

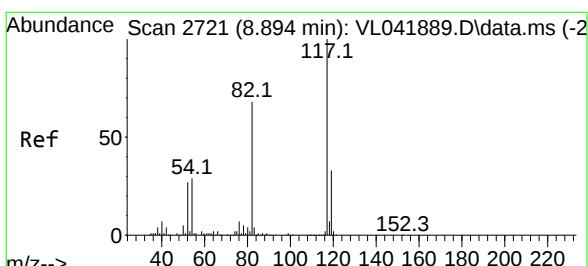
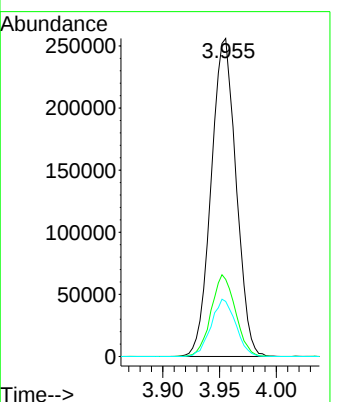
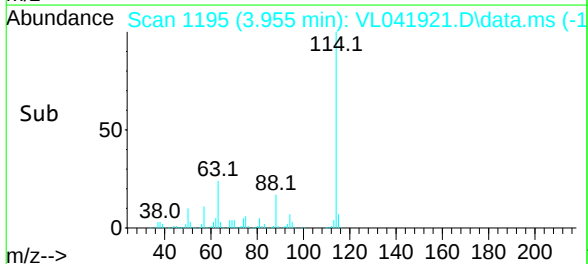
SV1



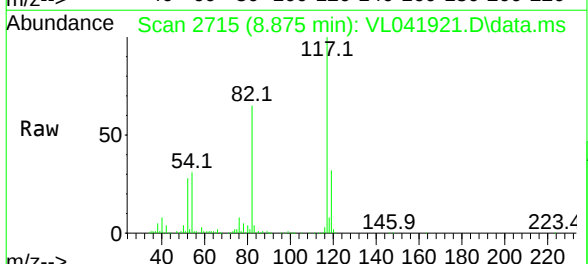
Tgt Ion:	114	Resp:	390655
Ion	Ratio	Lower	Upper
114	100		
63	25.1	19.8	29.6
88	17.7	14.4	21.6

Manual Integrations
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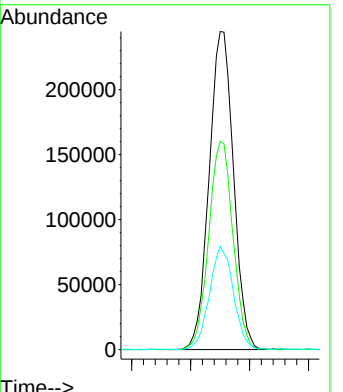
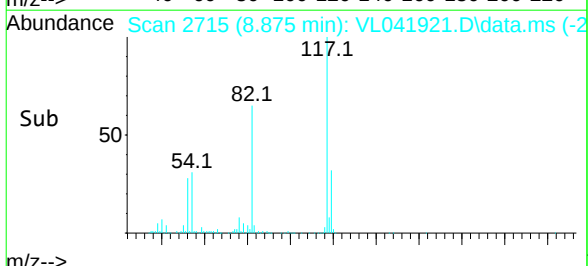
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

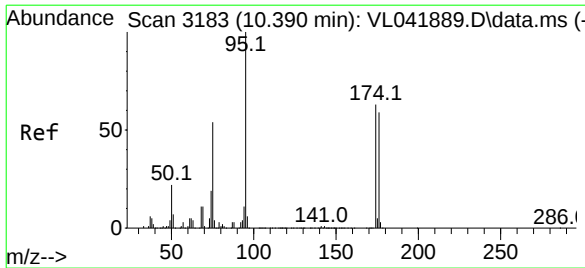


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.875 min Scan# 2715
 Delta R.T. -0.019 min
 Lab File: VL041921.D
 Acq: 20 Jan 2025 15:41



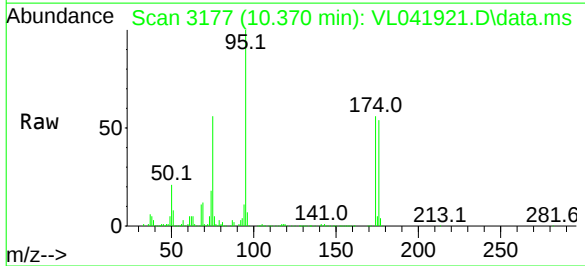
Tgt Ion:	117	Resp:	351878
Ion	Ratio	Lower	Upper
117	100		
82	65.0	54.2	81.4
119	31.9	25.0	37.6





#68
1-Bromo-4-Fluorobenzene
Concen: 10.008 ppbv
RT: 10.370 min Scan# 3183
Delta R.T. -0.019 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

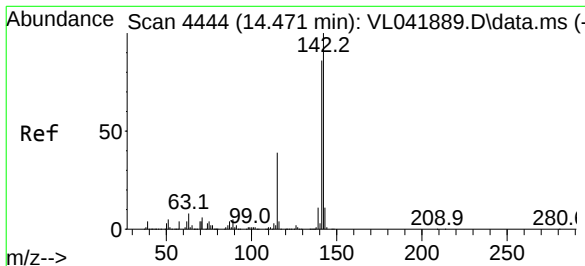
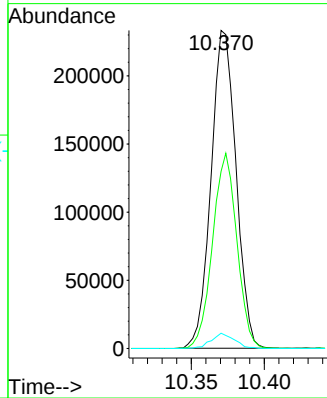
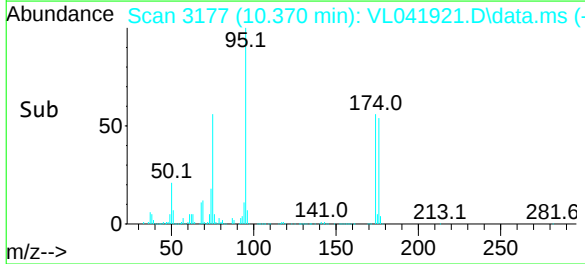
Instrument :
MSVOA_L
ClientSampleId :
SV1



Tgt Ion: 95 Resp: 277385
Ion Ratio Lower Upper
95 100
174 59.8 49.0 73.4
175 4.5 3.8 5.8

Manual Integrations
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#80
Naphthalene,2-methyl-
Concen: 0.106 ppbv
RT: 14.458 min Scan# 4440
Delta R.T. -0.013 min
Lab File: VL041921.D
Acq: 20 Jan 2025 15:41

Tgt Ion:142 Resp: 2537
Ion Ratio Lower Upper
142 100
141 83.9 68.1 102.1
115 45.3 31.7 47.5

