

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041924.D
 Acq On : 20 Jan 2025 17:31
 Operator : SY/MD
 Sample : Q1090-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Quant Time: Jan 21 03:05:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	2.780	49	138604	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	3.949	114	378424	10.000	ppbv	-0.03
55) Chlorobenzene-d5	8.872	117	331897	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	252541	9.661	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	5789	0.307	ppbv	93
3) Chlorodifluoromethane	1.473	51	3910	0.198	ppbv	95
4) Chloromethane	1.528	50	2125	0.299	ppbv	96
9) Propene	1.483	41	1747	0.214	ppbv	91
11) Trichlorofluoromethane	1.871	101	2635	0.134	ppbv	97
13) Ethanol	1.719	45	3929	6.584	ppbv #	31
15) Acetone	1.832	43	42427	2.549	ppbv	100
19) Isopropyl Alcohol	1.884	45	2295	0.233	ppbv #	1
20) Methylene Chloride	2.055	84	5379	0.818	ppbv #	79
26) Hexane	2.816	57	8998	0.507	ppbv #	35
35) Carbon Tetrachloride	3.758	117	1093m	0.046	ppbv	

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

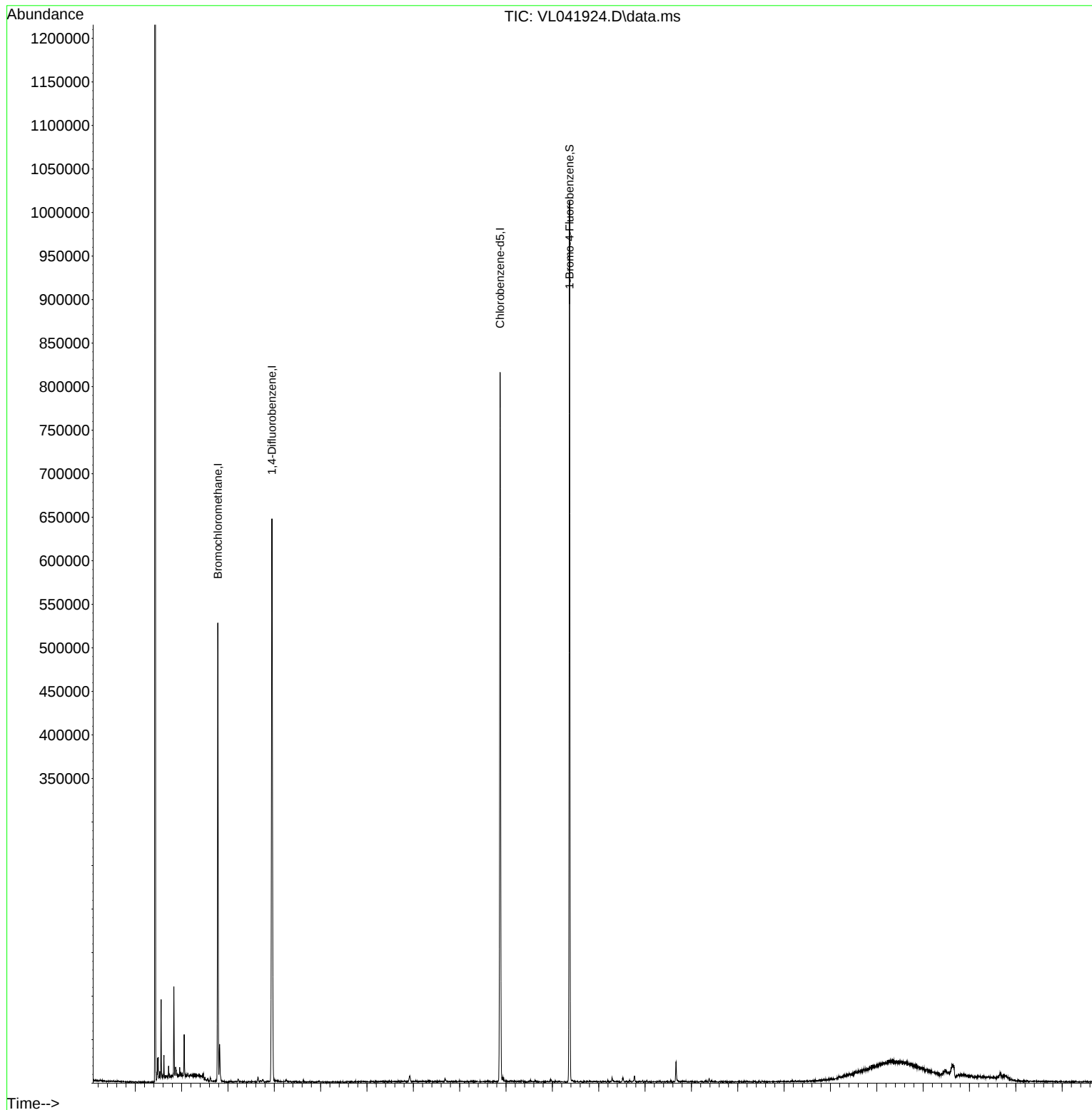
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
Data File : VL041924.D
Acq On : 20 Jan 2025 17:31
Operator : SY/MD
Sample : Q1090-03
Misc : 400mL/MSVOA_L
ALS Vial : 9 Sample Multiplier: 1

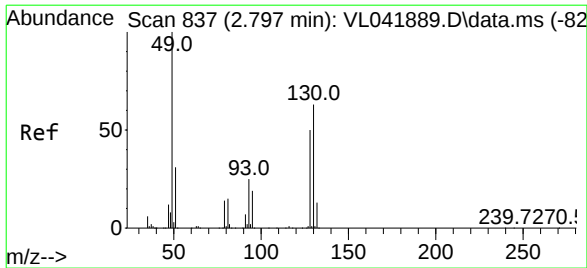
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Jan 21 03:05:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Manual Integrations
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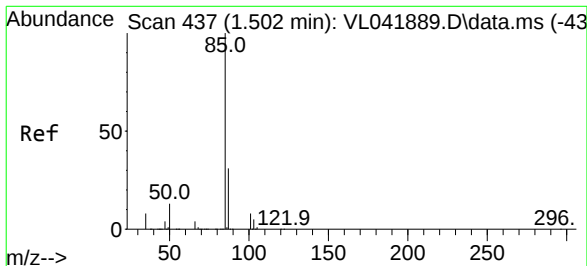
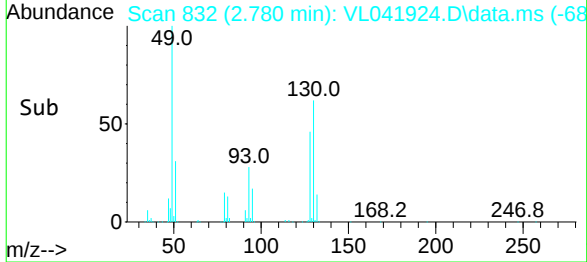
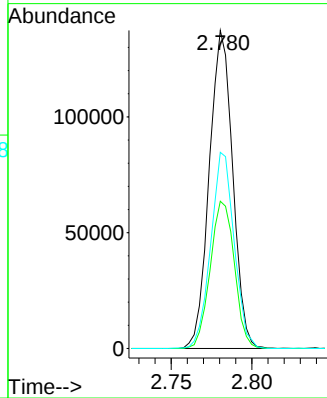
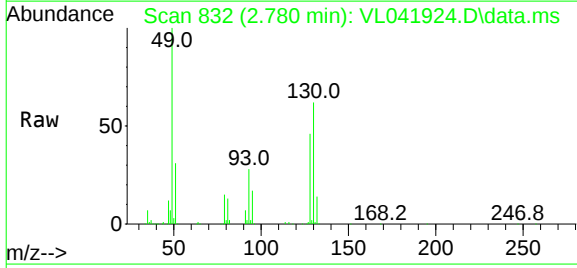
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Bromochloromethane
Concen: 10.000 ppbv
RT: 2.780 min Scan# 837
Delta R.T. -0.017 min
Lab File: VL041924.D
Acq: 20 Jan 2025 17:31

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 138604
Ion Ratio Lower Upper
49 100
128 47.7 24.3 73.0
130 61.7 31.1 93.2

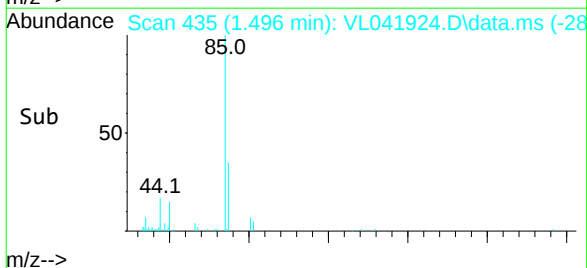
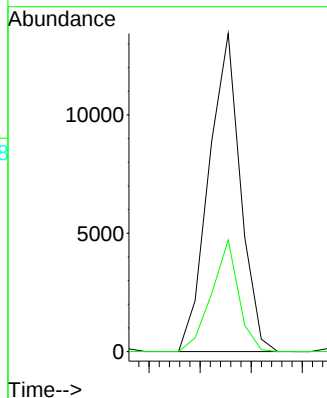
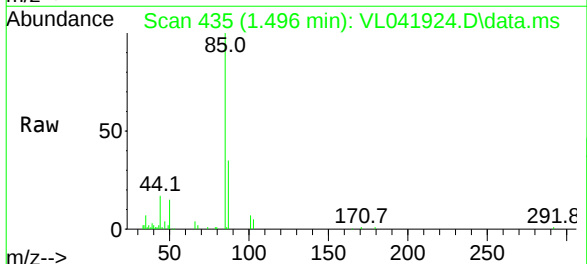
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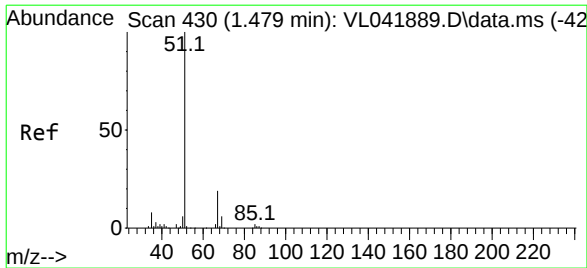
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Supervised By :Mahesh Dadoda 01/21/2025



#2
Dichlorodifluoromethane
Concen: 0.307 ppbv
RT: 1.496 min Scan# 435
Delta R.T. -0.006 min
Lab File: VL041924.D
Acq: 20 Jan 2025 17:31

Tgt Ion: 85 Resp: 5789
Ion Ratio Lower Upper
85 100
87 35.1 24.9 37.3





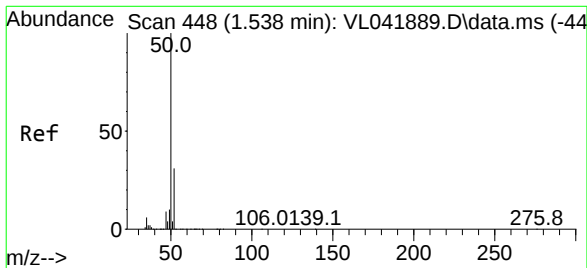
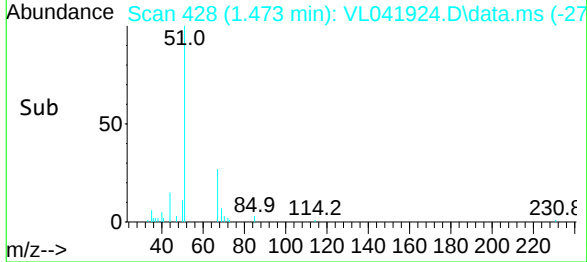
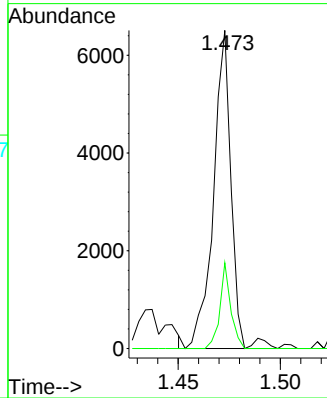
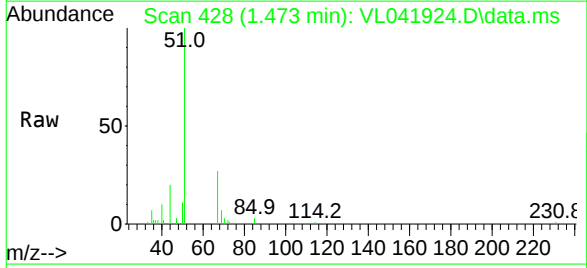
#3
Chlorodifluoromethane
Concen: 0.198 ppbv
RT: 1.473 min Scan# 42
Delta R.T. -0.006 min
Lab File: VL041924.D
Acq: 20 Jan 2025 17:31

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 3910
Ion Ratio Lower Upper
51 100
67 16.5 15.0 22.4

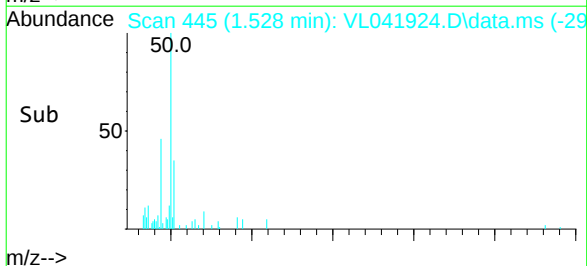
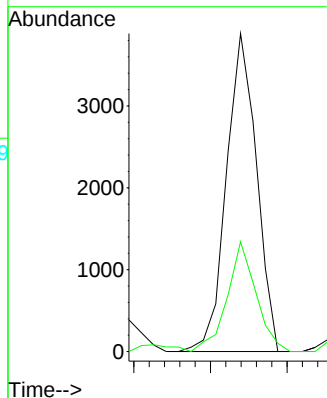
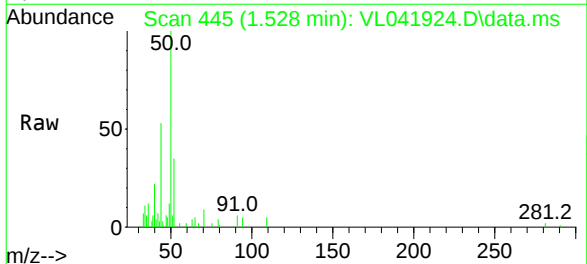
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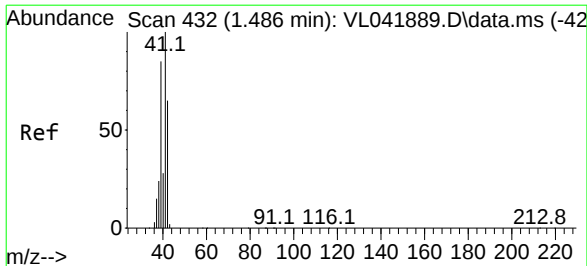
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#4
Chloromethane
Concen: 0.299 ppbv
RT: 1.528 min Scan# 445
Delta R.T. -0.010 min
Lab File: VL041924.D
Acq: 20 Jan 2025 17:31

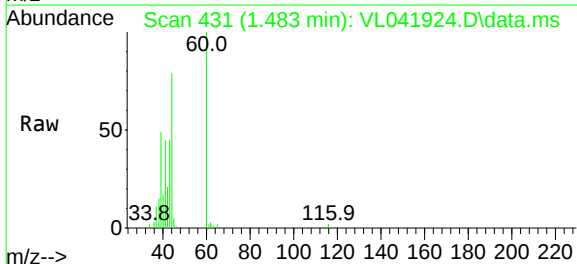
Tgt Ion: 50 Resp: 2125
Ion Ratio Lower Upper
50 100
52 33.1 24.6 36.8





#9
Propene
Concen: 0.214 ppbv
RT: 1.483 min Scan# 43
Delta R.T. -0.003 min
Lab File: VL041924.D
Acq: 20 Jan 2025 17:31

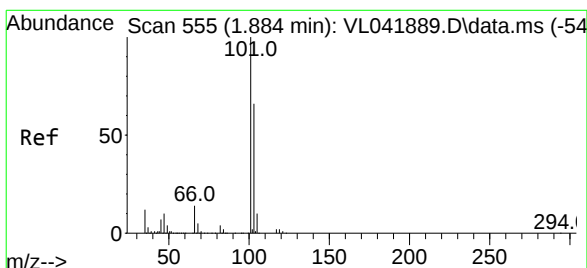
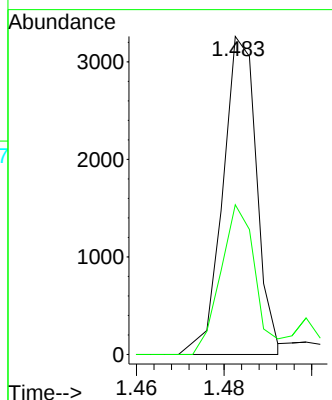
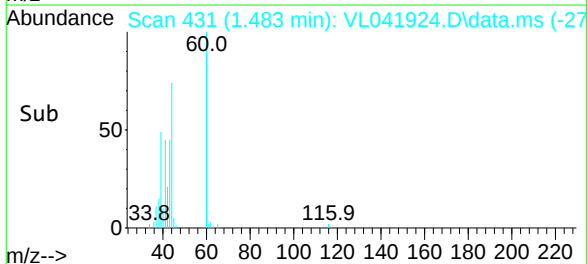
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 41 Resp: 1747
Ion Ratio Lower Upper
41 100
42 57.7 52.0 78.0

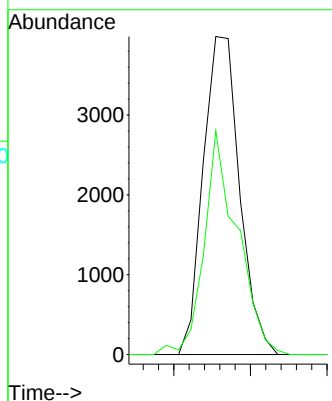
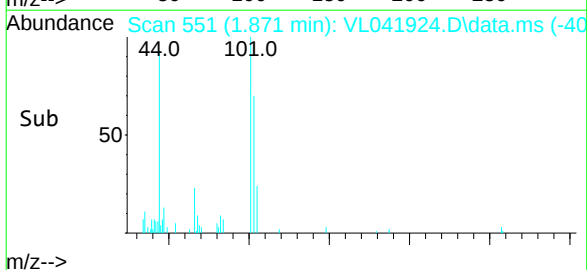
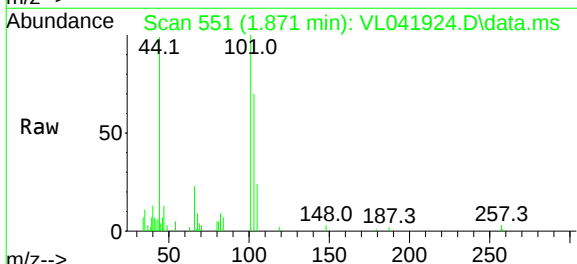
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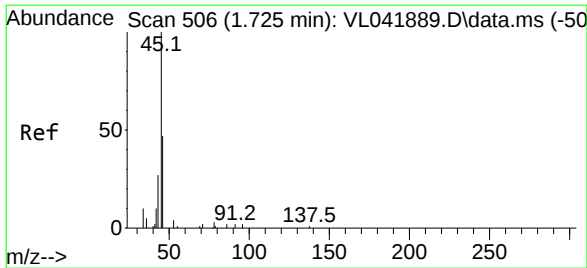
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Supervised By :Mahesh Dadoda 01/21/2025



#11
Trichlorofluoromethane
Concen: 0.134 ppbv
RT: 1.871 min Scan# 551
Delta R.T. -0.013 min
Lab File: VL041924.D
Acq: 20 Jan 2025 17:31

Tgt Ion:101 Resp: 2635
Ion Ratio Lower Upper
101 100
103 69.1 53.1 79.7





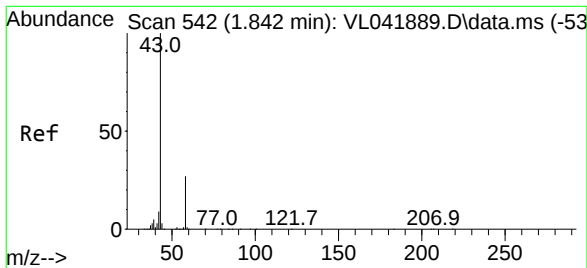
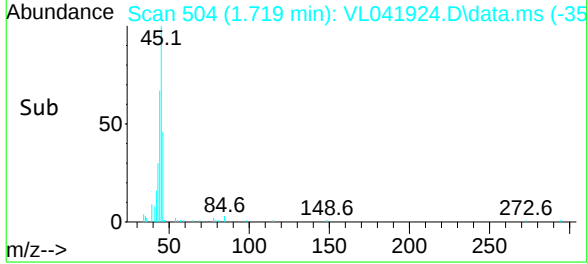
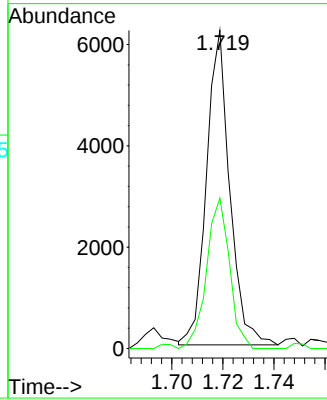
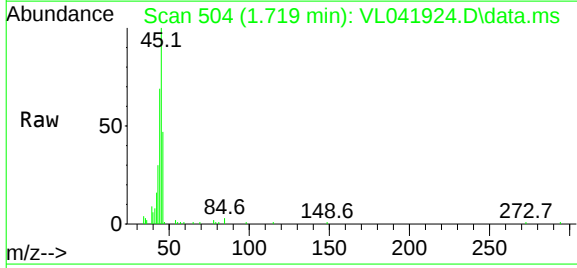
#13
Ethanol
Concen: 6.584 ppbv
RT: 1.719 min Scan# 50
Delta R.T. -0.006 min
Lab File: VL041924.D
Acq: 20 Jan 2025 17:31

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 3929
Ion Ratio Lower Upper
45 100
46 0.0 18.1 72.5#

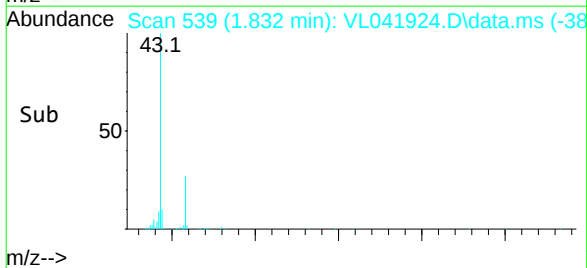
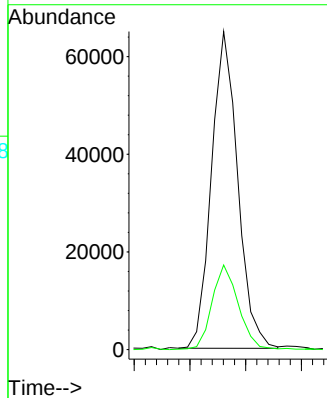
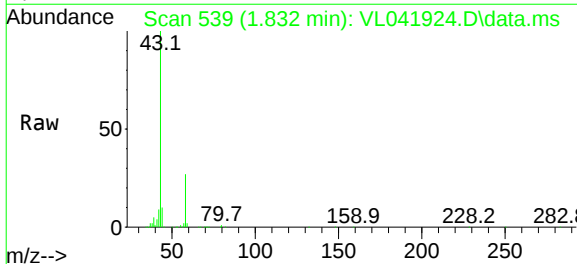
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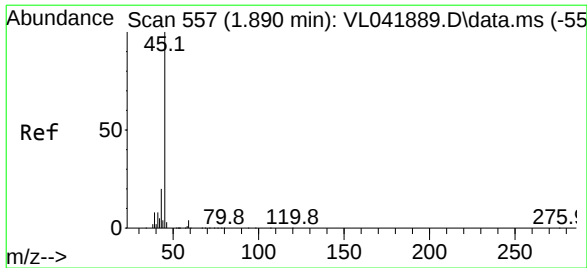
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Supervised By :Mahesh Dadoda 01/21/2025



#15
Acetone
Concen: 2.549 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.010 min
Lab File: VL041924.D
Acq: 20 Jan 2025 17:31

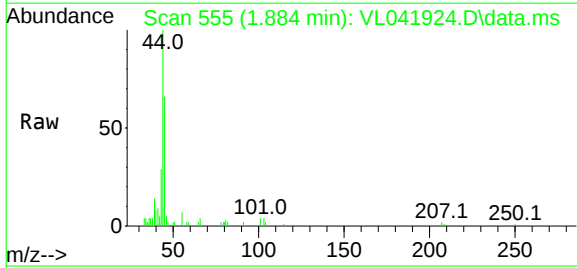
Tgt Ion: 43 Resp: 42427
Ion Ratio Lower Upper
43 100
58 27.3 21.9 32.9





#19
Isopropyl Alcohol
Concen: 0.233 ppbv
RT: 1.884 min Scan# 557
Delta R.T. -0.006 min
Lab File: VL041924.D
Acq: 20 Jan 2025 17:31

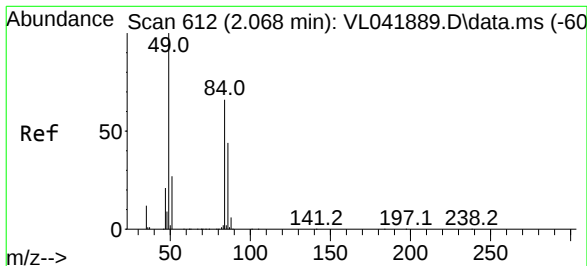
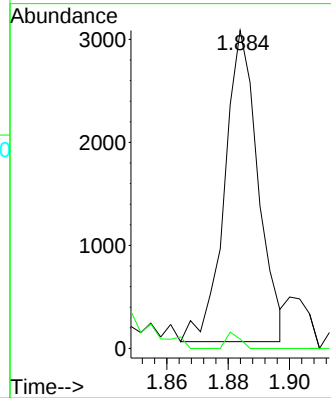
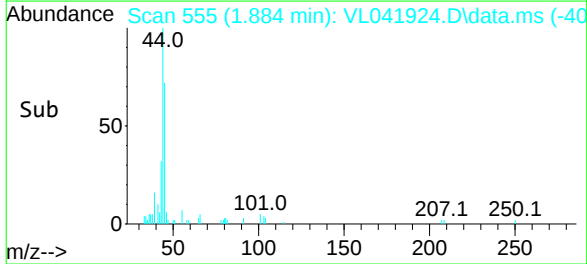
Instrument : MSVOA_L
ClientSampleId : IA1



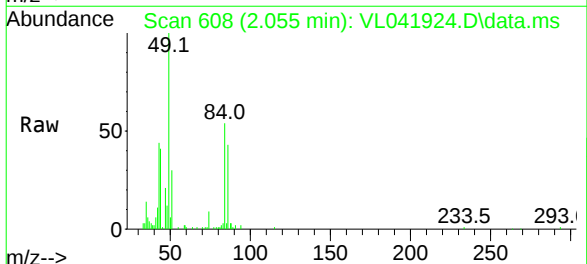
Tgt Ion: 45 Resp: 2295
Ion Ratio Lower Upper
45 100
58 504.3 35.0 52.6#

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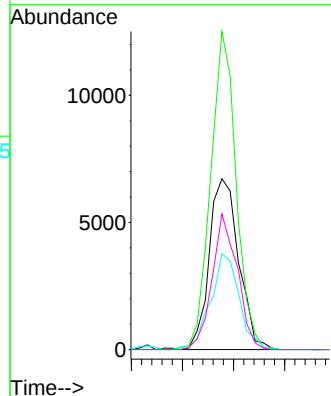
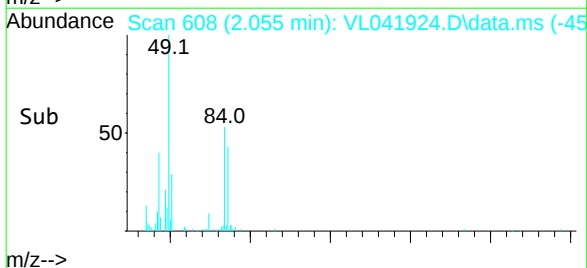
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Supervised By :Mahesh Dadoda 01/21/2025

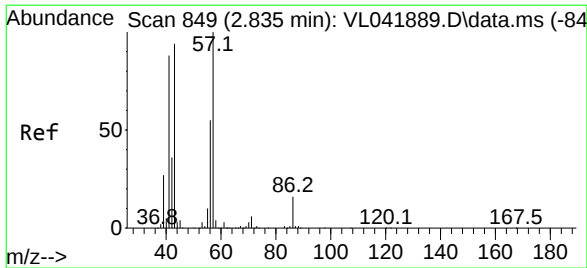


#20
Methylene Chloride
Concen: 0.818 ppbv
RT: 2.055 min Scan# 608
Delta R.T. -0.013 min
Lab File: VL041924.D
Acq: 20 Jan 2025 17:31



Tgt Ion: 84 Resp: 5379
Ion Ratio Lower Upper
84 100
49 186.2 123.1 184.7#
51 55.0 35.8 53.8#
86 79.4 53.7 80.5





#26

Hexane

Concen: 0.507 ppbv

RT: 2.816 min Scan# 84

Delta R.T. -0.019 min

Lab File: VL041924.D

Acq: 20 Jan 2025 17:31

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 57 Resp: 8998

Ion Ratio Lower Upper

57 100

41 106.3 73.8 110.8

43 81.8 197.3 295.9#

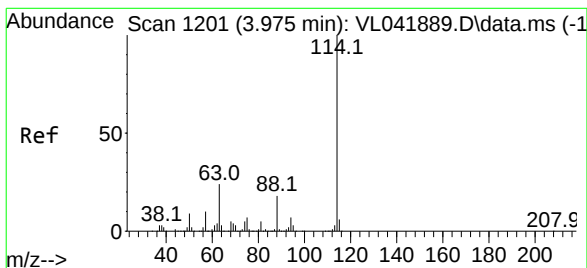
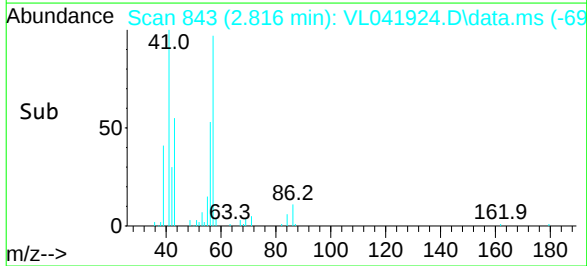
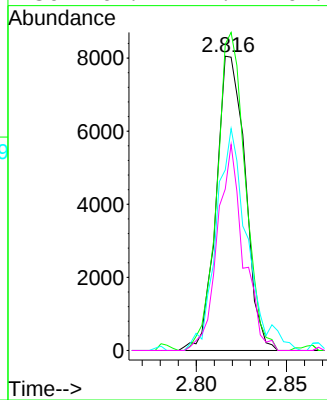
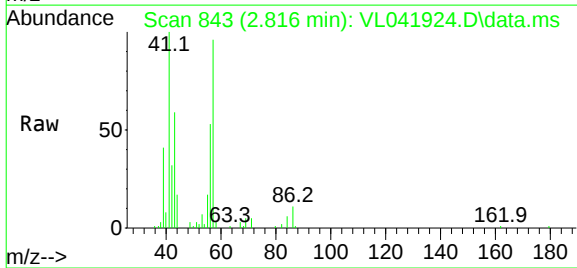
56 62.9 42.7 64.1

Manual Integrations

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Supervised By :Mahesh Dadoda 01/21/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.949 min Scan# 1193

Delta R.T. -0.026 min

Lab File: VL041924.D

Acq: 20 Jan 2025 17:31

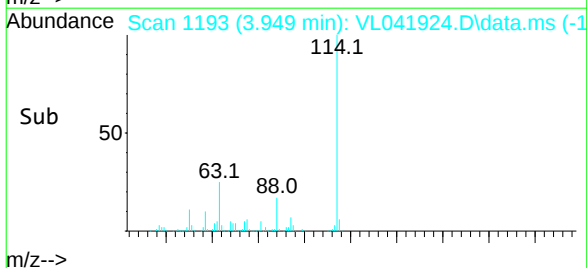
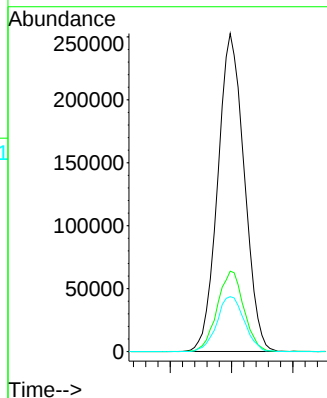
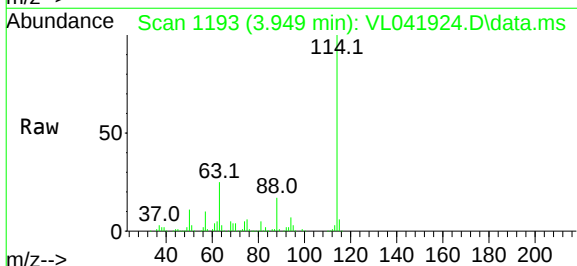
Tgt Ion:114 Resp: 378424

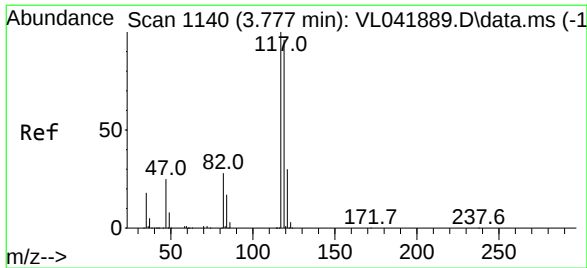
Ion Ratio Lower Upper

114 100

63 25.4 19.8 29.6

88 17.9 14.4 21.6





#35

Carbon Tetrachloride

Concen: 0.046 ppbv m

RT: 3.758 min Scan# 11

Delta R.T. -0.019 min

Lab File: VL041924.D

Acq: 20 Jan 2025 17:31

Instrument :

MSVOA_L

ClientSampleId :

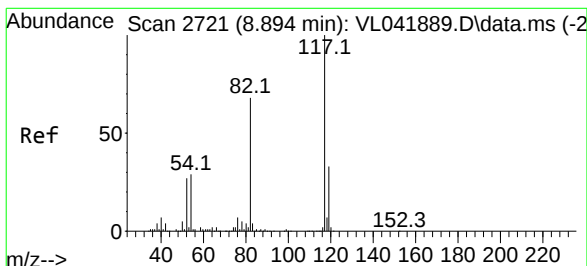
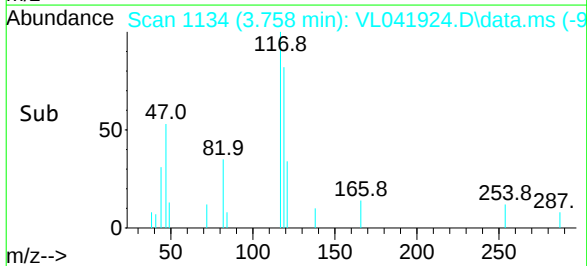
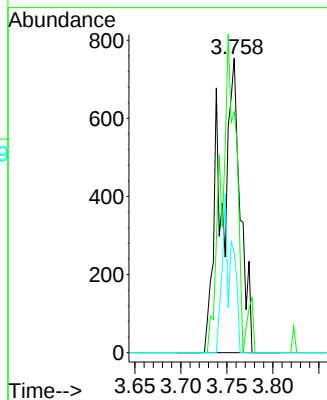
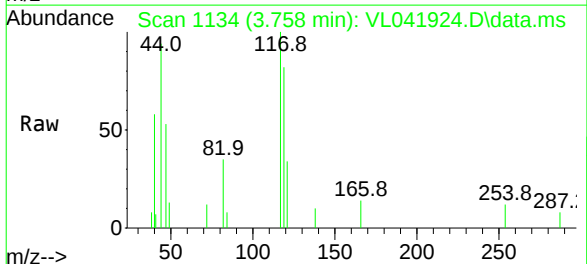
IA1

Tgt Ion:	117	Resp:	1093
Ion	Ratio	Lower	Upper
117	100		
119	81.8	76.9	115.3
121	34.1	23.8	35.6

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

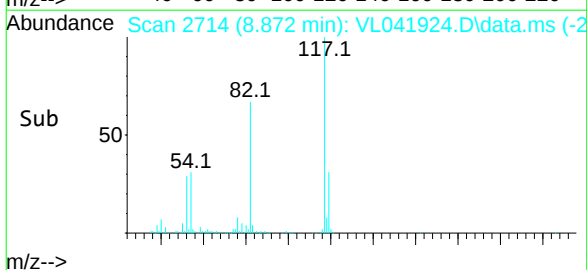
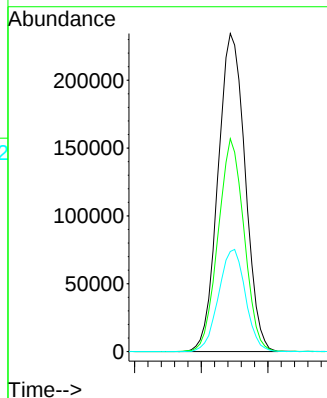
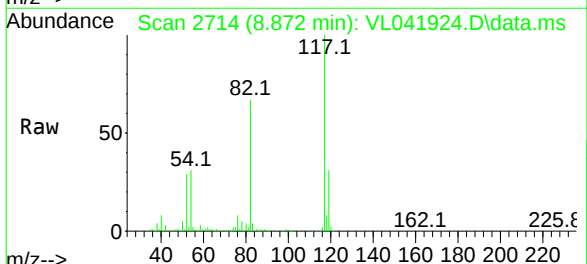
RT: 8.872 min Scan# 2714

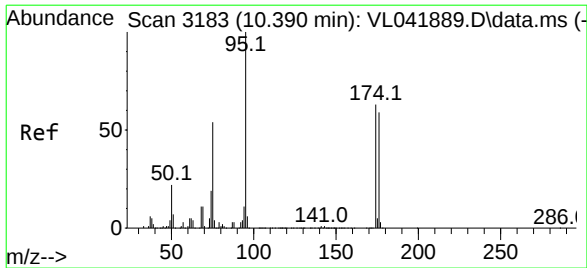
Delta R.T. -0.023 min

Lab File: VL041924.D

Acq: 20 Jan 2025 17:31

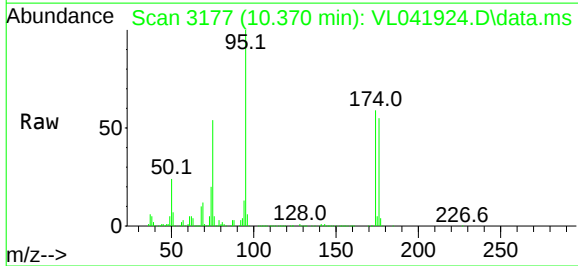
Tgt Ion:	117	Resp:	331897
Ion	Ratio	Lower	Upper
117	100		
82	64.1	54.2	81.4
119	31.8	25.0	37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.661 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.019 min
 Lab File: VL041924.D
 Acq: 20 Jan 2025 17:31

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



Tgt	Ion: 95	Resp: 252541
Ion	Ratio	Lower Upper
95	100	
174	59.7	49.0 73.4
175	4.5	3.8 5.8

Manual Integrations
 APPROVED

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

