

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041874.D
 Acq On : 09 Jan 2025 19:43
 Operator : SY/MD
 Sample : Q1037-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIR

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

Quant Time: Jan 10 01:46:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri Jan 10 00:31:30 2025
 Response via : Initial Calibration

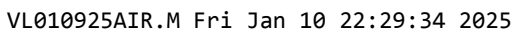
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

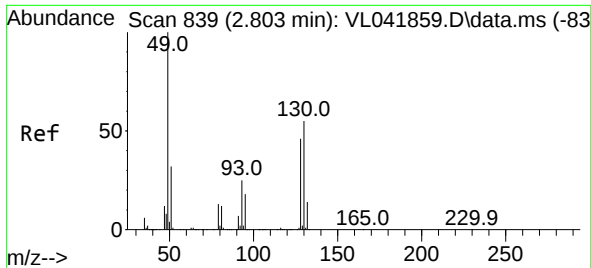
Internal Standards						
1) Bromochloromethane	2.800	49	120904	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	358423	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	318762	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	256988	10.054	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	9059	0.456	ppbv #	81
3) Chlorodifluoromethane	1.480	51	8248	0.378	ppbv	96
4) Chloromethane	1.538	50	3678	0.477	ppbv #	88
9) Propene	1.492	41	3774m	0.371	ppbv	
11) Trichlorofluoromethane	1.884	101	5040	0.247	ppbv	99
13) Ethanol	1.729	45	43747	67.706	ppbv	85
15) Acetone	1.842	43	37181	1.823	ppbv	95
20) Methylene Chloride	2.069	84	8101	1.165	ppbv #	92
26) Hexane	2.842	57	6013	0.288	ppbv #	40
34) 2-Butanone	2.574	43	3248	0.109	ppbv	96
35) Carbon Tetrachloride	3.784	117	2021m	0.073	ppbv	
36) Benzene	3.671	78	5509	0.132	ppbv #	86

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

Manual Integrations

Quant Time: Jan 10 01:46:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Fri Jan 10 00:31:30 2025
Response via : Initial Calibration





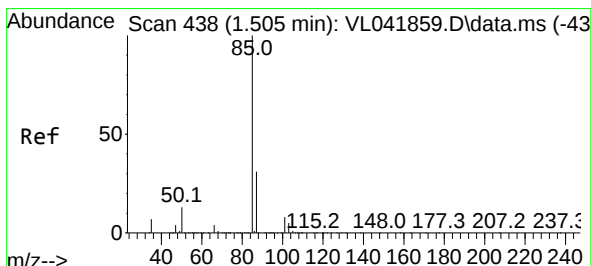
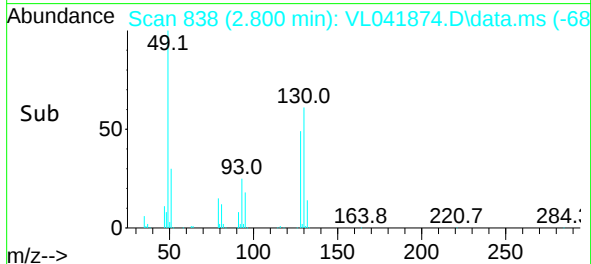
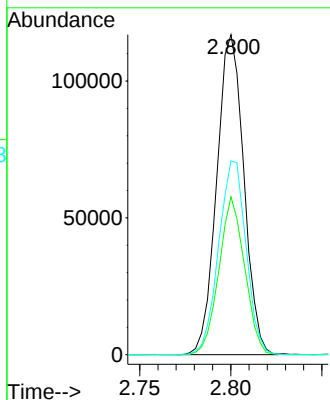
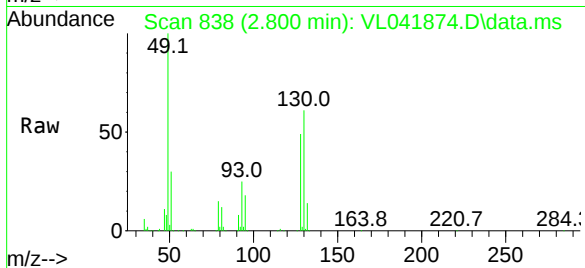
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR

Tgt Ion: 49 Resp: 120904
Ion Ratio Lower Upper
49 100
128 46.8 23.2 69.5
130 61.4 29.9 89.8

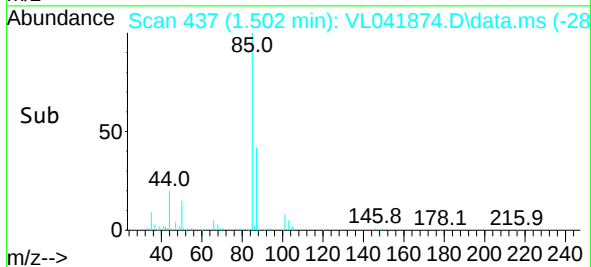
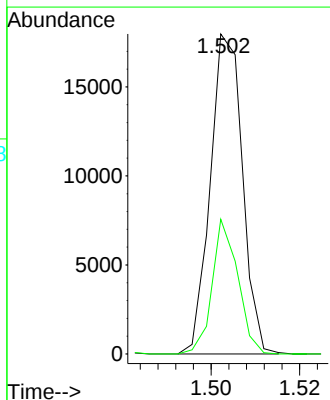
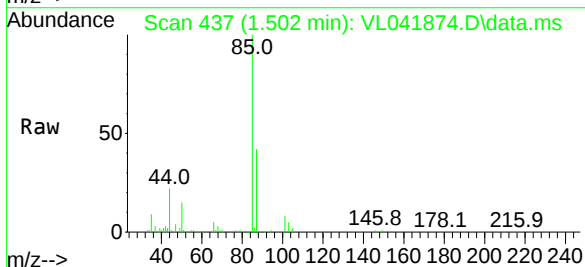
Manual Integrations
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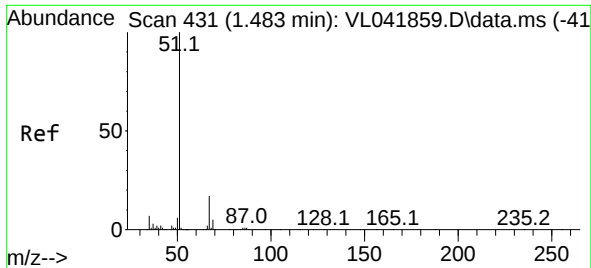
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#2
Dichlorodifluoromethane
Concen: 0.456 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

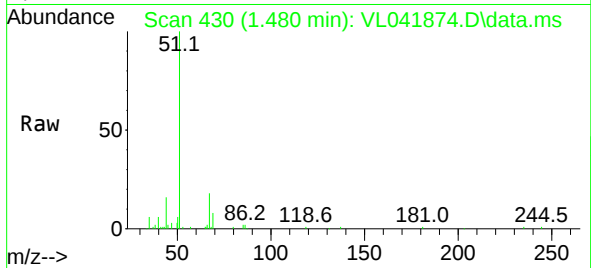
Tgt Ion: 85 Resp: 9059
Ion Ratio Lower Upper
85 100
87 42.1 25.2 37.8#





#3
Chlorodifluoromethane
Concen: 0.378 ppbv
RT: 1.480 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

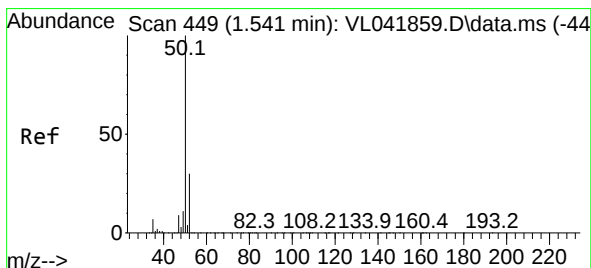
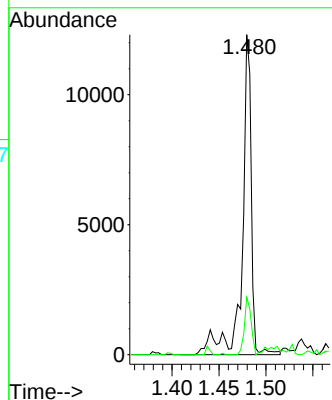
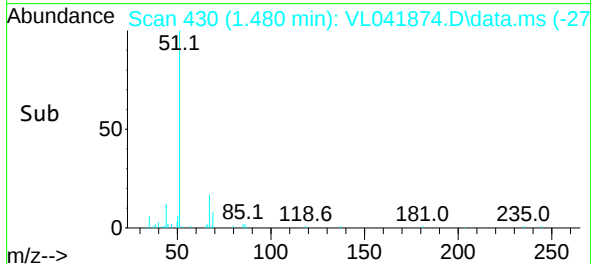
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR



Tgt Ion: 51 Resp: 8248
Ion Ratio Lower Upper
51 100
67 19.3 13.8 20.8

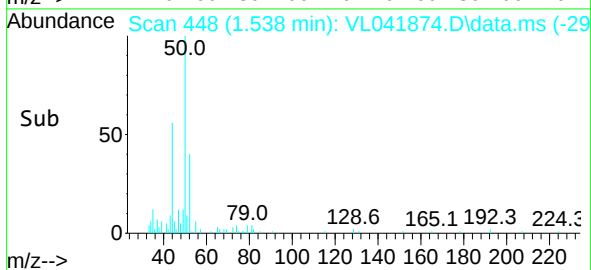
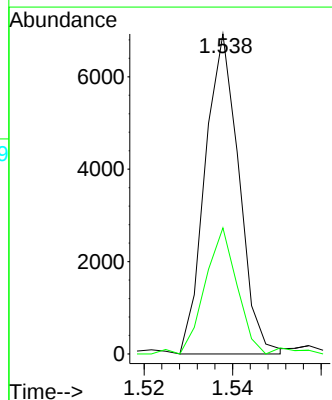
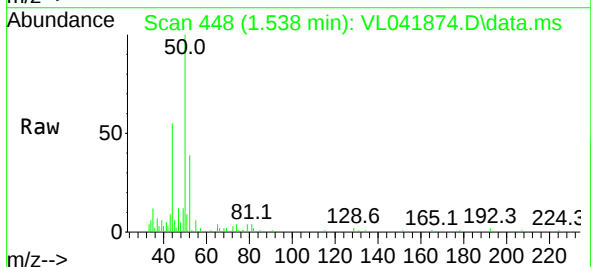
Manual Integrations
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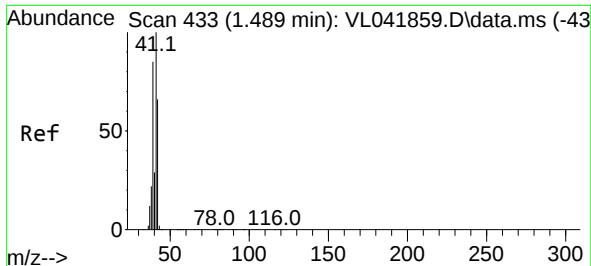
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#4
Chloromethane
Concen: 0.477 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

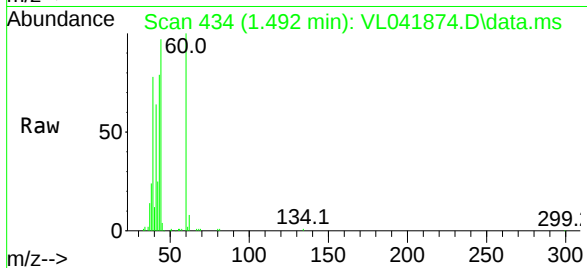
Tgt Ion: 50 Resp: 3678
Ion Ratio Lower Upper
50 100
52 36.3 23.9 35.9#





#9
 Propene
 Concen: 0.371 ppbv m
 RT: 1.492 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43

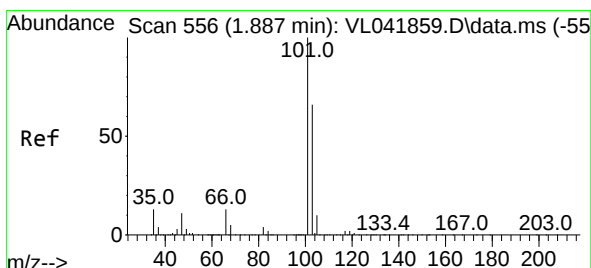
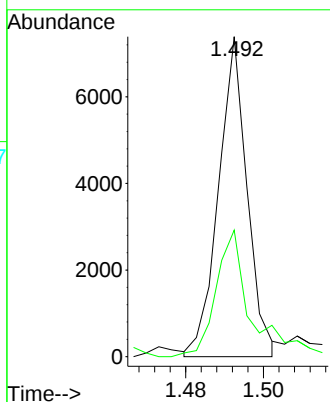
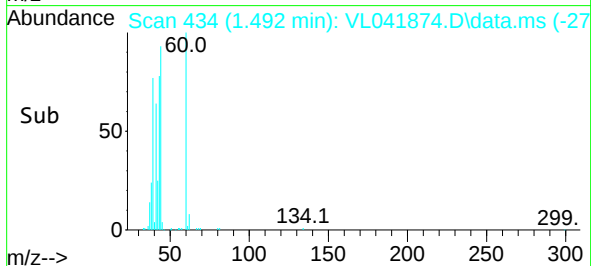
Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIR



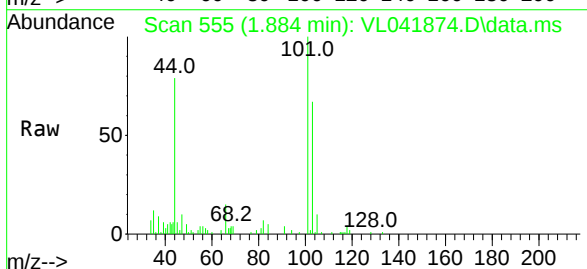
Tgt Ion: 41 Resp: 3774
 Ion Ratio Lower Upper
 41 100
 42 9.7 53.0 79.6

Manual Integrations
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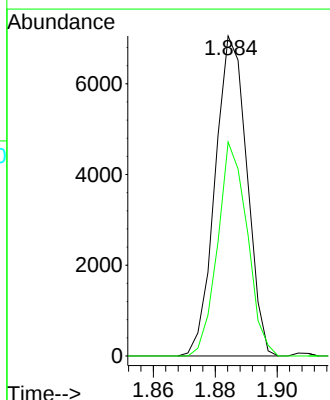
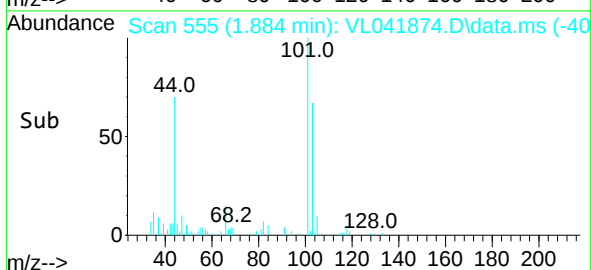
Reviewed By :Mahesh Dadoda 01/10/2025
 Supervised By :Semsettin Yesilyurt 01/10/2025

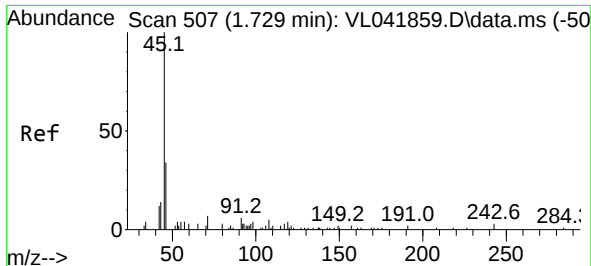


#11
 Trichlorofluoromethane
 Concen: 0.247 ppbv
 RT: 1.884 min Scan# 555
 Delta R.T. -0.003 min
 Lab File: VL041874.D
 Acq: 09 Jan 2025 19:43



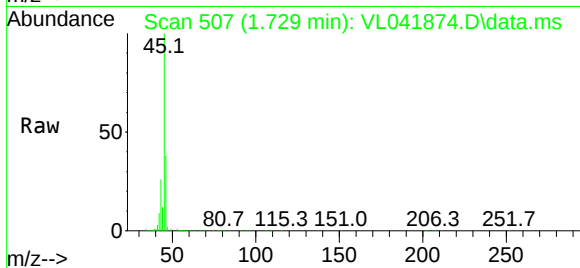
Tgt Ion:101 Resp: 5040
 Ion Ratio Lower Upper
 101 100
 103 66.9 52.6 78.8





#13
Ethanol
Concen: 67.706 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

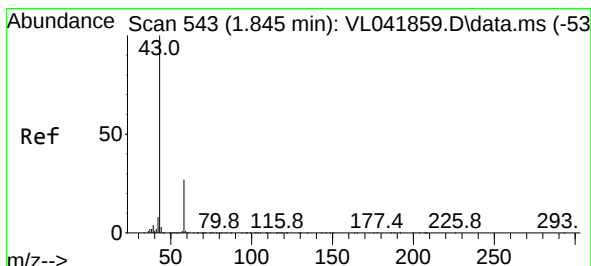
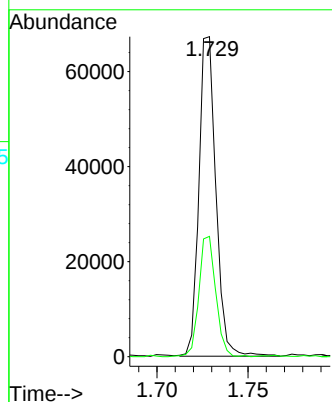
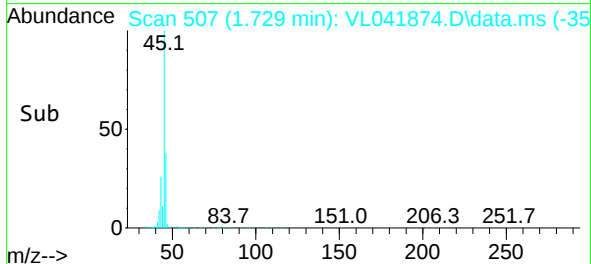
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR



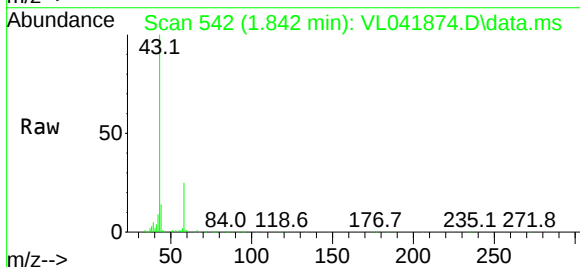
Tgt Ion: 45 Resp: 4374
Ion Ratio Lower Upper
45 100
46 37.5 19.0 76.0

Manual Integrations
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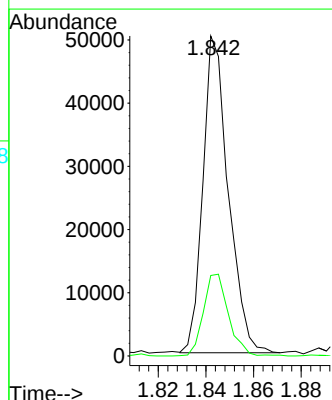
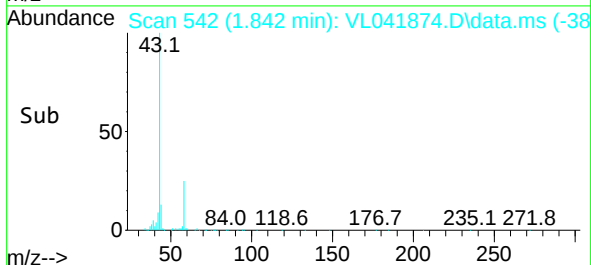
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

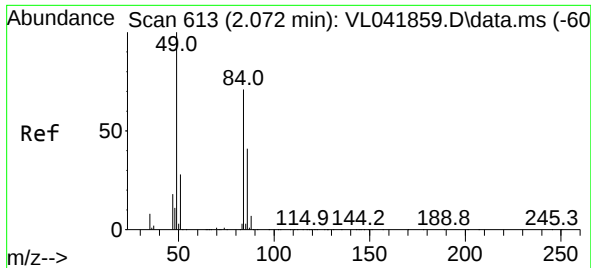


#15
Acetone
Concen: 1.823 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43



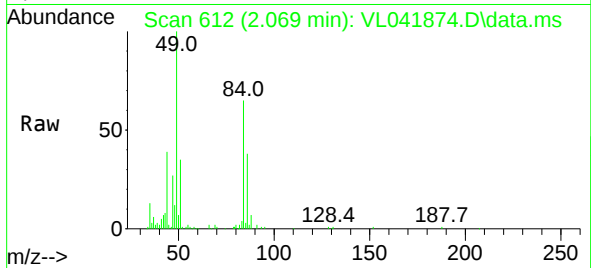
Tgt Ion: 43 Resp: 37181
Ion Ratio Lower Upper
43 100
58 25.8 22.7 34.1





#20
Methylene Chloride
Concen: 1.165 ppbv
RT: 2.069 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

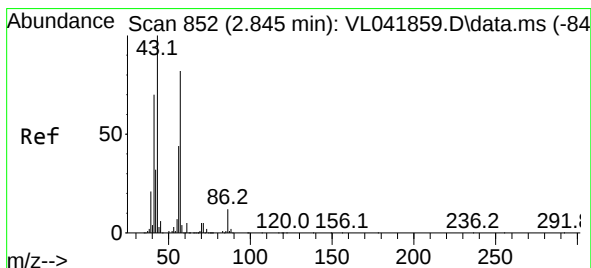
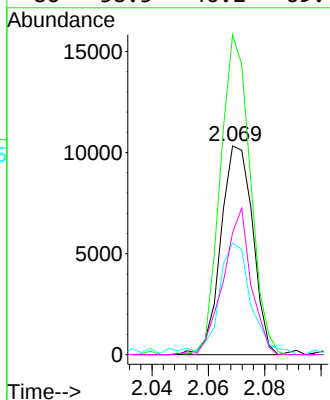
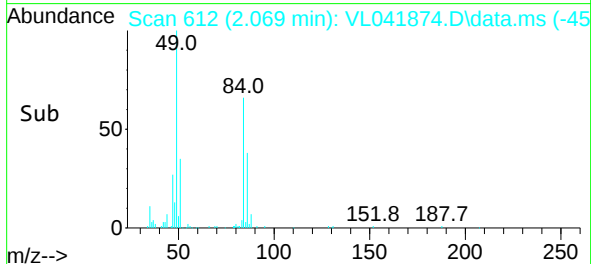
Instrument :
MSVOA_L
Client Sample Id :
AMBIENT AIR



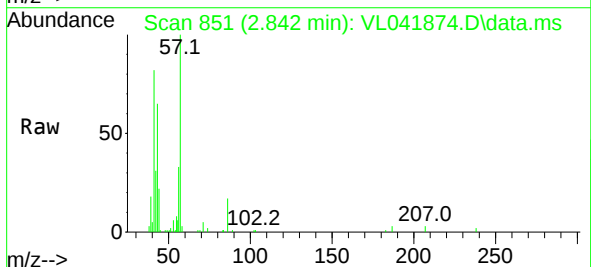
Tgt Ion: 84 Resp: 810
Ion Ratio Lower Upper
84 100
49 152.6 113.8 170.8
51 51.7 33.5 50.3
86 58.5 46.2 69.4

Manual Integrations
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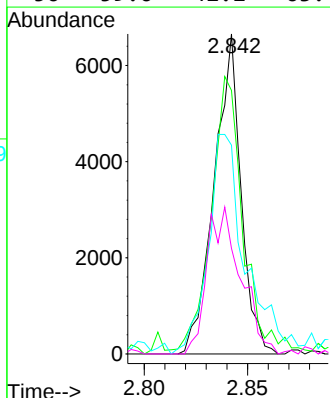
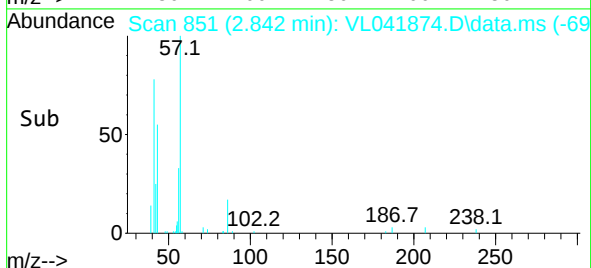
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

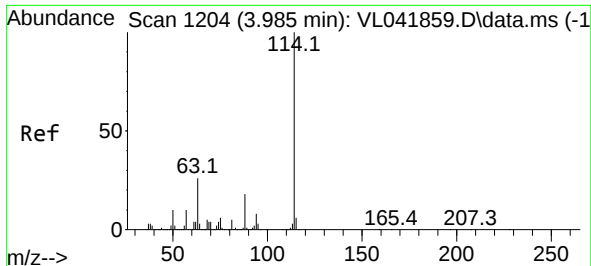


#26
Hexane
Concen: 0.288 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43



Tgt Ion: 57 Resp: 6013
Ion Ratio Lower Upper
57 100
41 107.1 71.5 107.3
43 102.1 200.2 300.4
56 59.6 42.2 63.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.978 min Scan# 114

Delta R.T. -0.006 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

Instrument :

MSVOA_L

ClientSampleId :

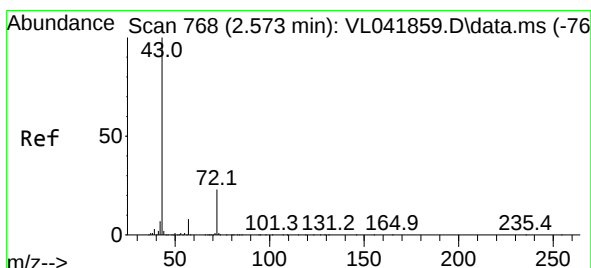
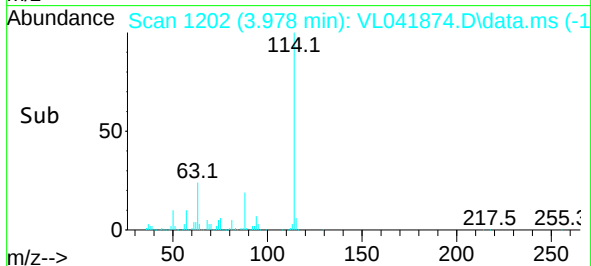
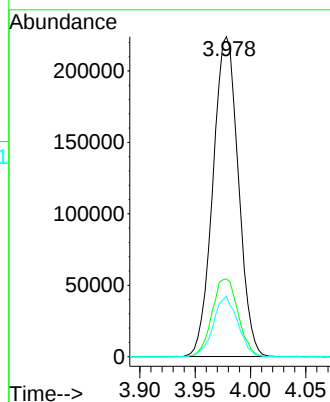
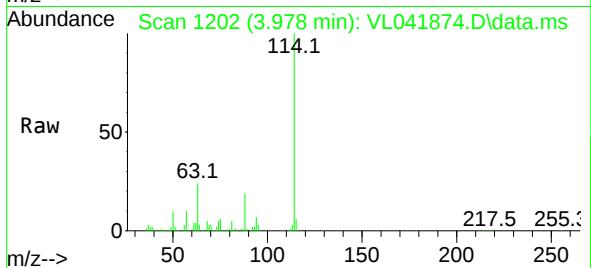
AMBIENT AIR

Tgt Ion:114	Resp:	35842
Ion Ratio	Lower	Upper
114	100	
63	24.9	20.3 30.5
88	18.2	14.6 21.8

Manual Integrations

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Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#34

2-Butanone

Concen: 0.109 ppbv

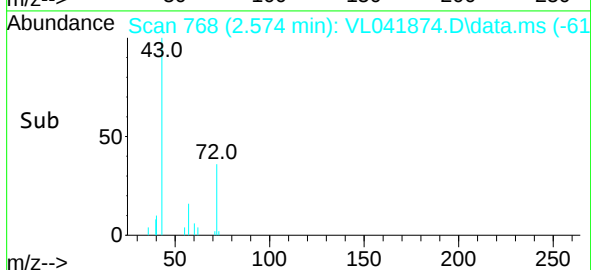
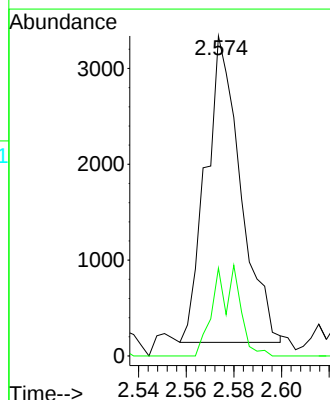
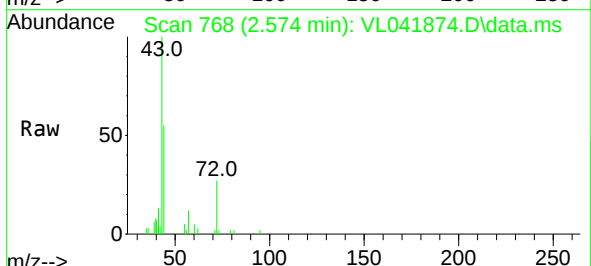
RT: 2.574 min Scan# 768

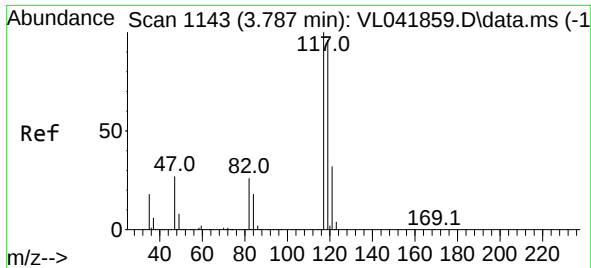
Delta R.T. 0.000 min

Lab File: VL041874.D

Acq: 09 Jan 2025 19:43

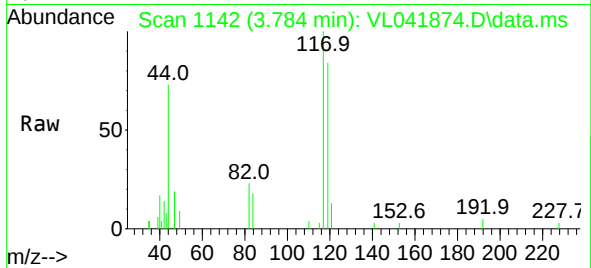
Tgt Ion: 43	Resp:	3248
Ion Ratio	Lower	Upper
43	100	
72	21.3	18.5 27.7





#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 3.784 min Scan# 1143
Delta R.T. -0.003 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

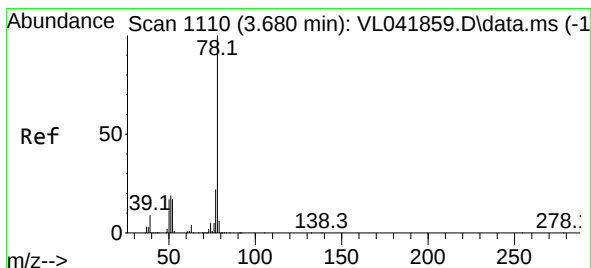
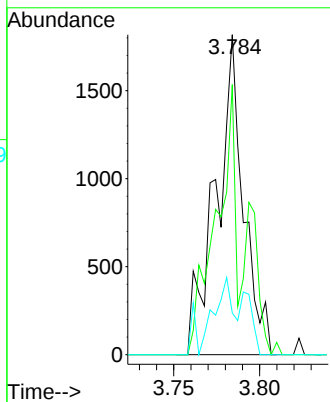
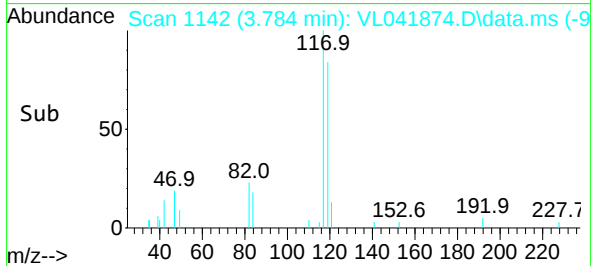
Instrument : MSVOA_L
ClientSampleId : AMBIENT AIR



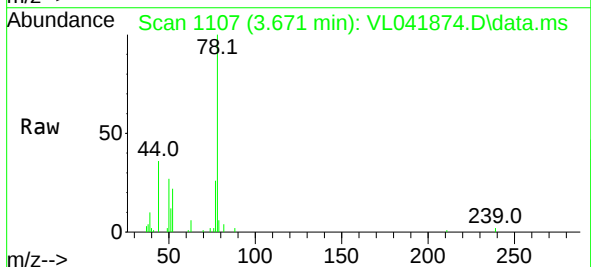
Tgt Ion: 117 Resp: 202
Ion Ratio Lower Upper
117 100
119 84.4 76.9 115.3
121 13.0 25.9 38.9

Manual Integrations
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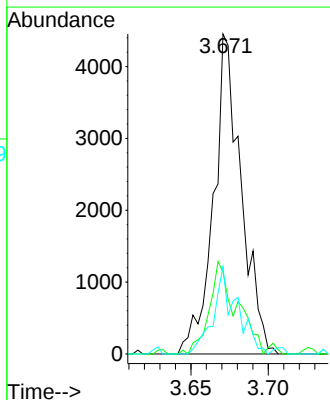
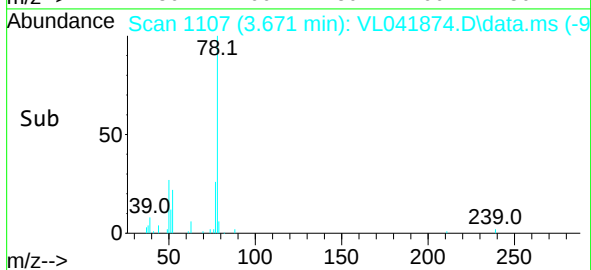
Reviewed By :Mahesh Dadoda 01/10/2025
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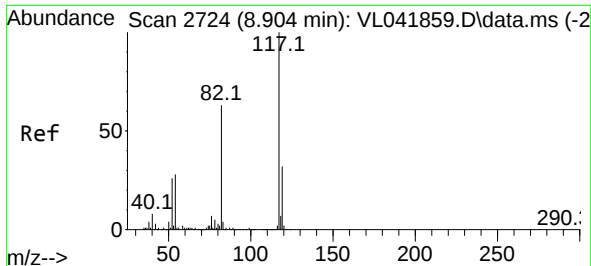


#36
Benzene
Concen: 0.132 ppbv
RT: 3.671 min Scan# 1107
Delta R.T. -0.010 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43



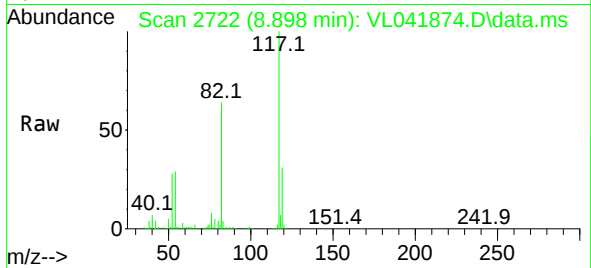
Tgt Ion: 78 Resp: 5509
Ion Ratio Lower Upper
78 100
77 25.6 17.9 26.9
50 27.3 13.7 20.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43

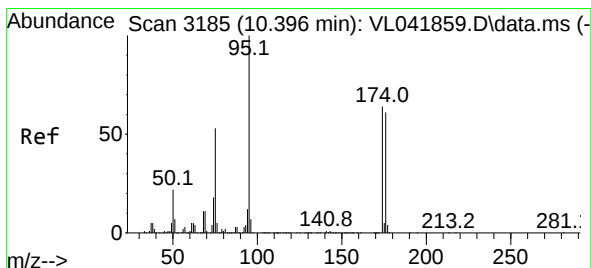
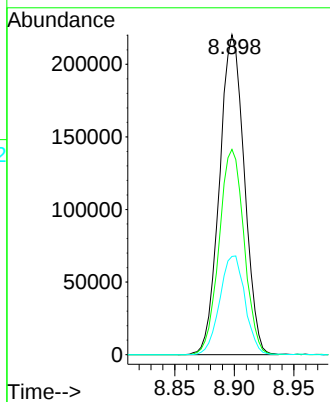
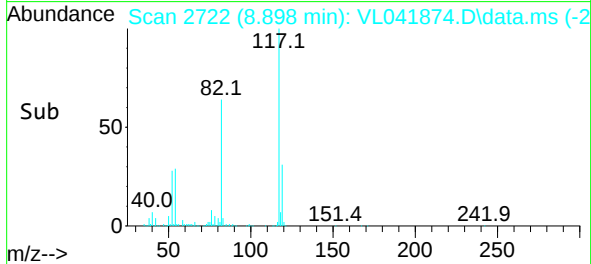
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIR



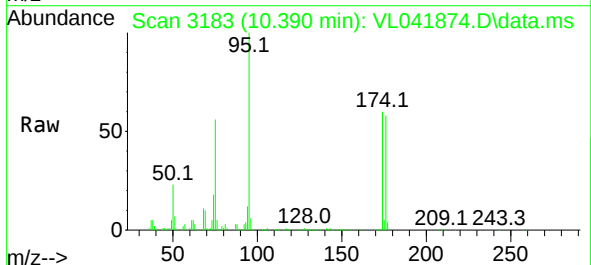
Tgt Ion: 117 Resp: 318762
Ion Ratio Lower Upper
117 100
82 64.6 54.5 81.7
119 31.6 24.6 37.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.054 ppbv
RT: 10.390 min Scan# 3183
Delta R.T. -0.006 min
Lab File: VL041874.D
Acq: 09 Jan 2025 19:43



Tgt Ion: 95 Resp: 256988
Ion Ratio Lower Upper
95 100
174 61.7 51.1 76.7
175 4.9 3.8 5.8

