

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041875.D
 Acq On : 09 Jan 2025 20:16
 Operator : SY/MD
 Sample : Q1037-03DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENT AIRDUP

Quant Time: Jan 10 01:47:43 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

Manual Integrations
 APPROVED

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

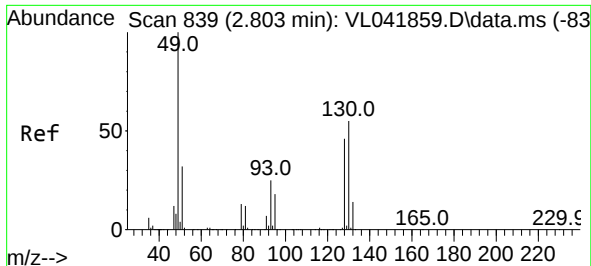
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	2.800	49	116632	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	351417	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.901	117	317385	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	254476	9.999	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.000%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.502	85	8535	0.446	ppbv	98
3) Chlorodifluoromethane	1.479	51	7260	0.345	ppbv	97
4) Chloromethane	1.538	50	3426	0.460	ppbv	92
9) Propene	1.492	41	3257	0.332	ppbv	85
11) Trichlorofluoromethane	1.884	101	4646	0.236	ppbv	86
13) Ethanol	1.729	45	38646	62.002	ppbv	87
15) Acetone	1.842	43	39483	2.007	ppbv	93
20) Methylene Chloride	2.072	84	7905	1.178	ppbv	88
26) Hexane	2.839	57	6270	0.312	ppbv	# 39
34) 2-Butanone	2.577	43	2930	0.100	ppbv	92
35) Carbon Tetrachloride	3.781	117	1844m	0.068	ppbv	
36) Benzene	3.674	78	4802	0.118	ppbv	# 91

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

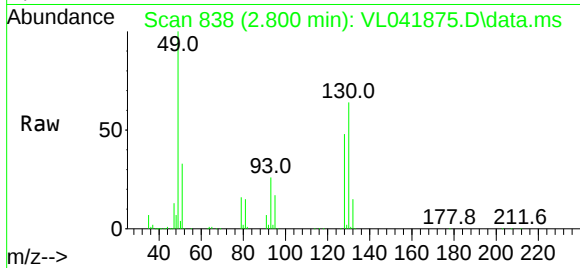
Manual Integrations

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



#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

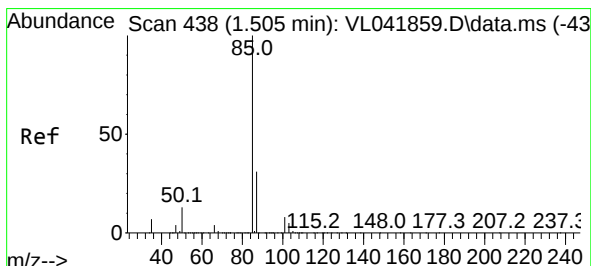
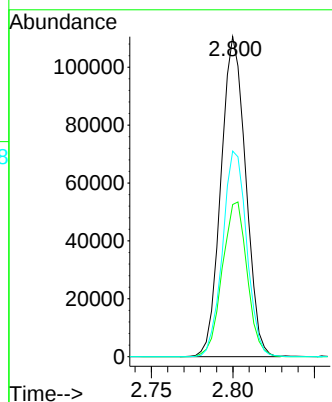
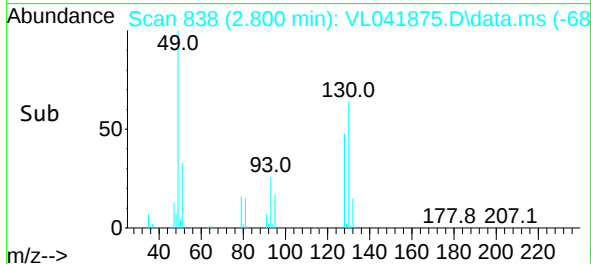
Instrument :
MSVOA_L
ClientSampleId :
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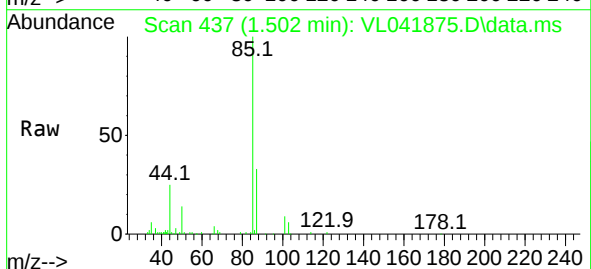
Tgt Ion: 49 Resp: 11663
Ion Ratio Lower Upper
49 100
128 48.4 23.2 69.5
130 62.7 29.9 89.8

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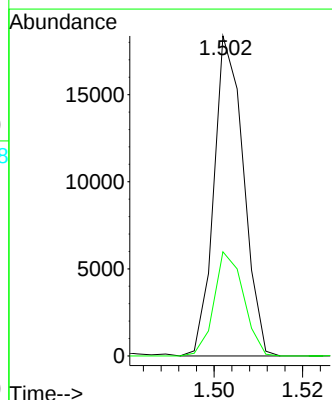
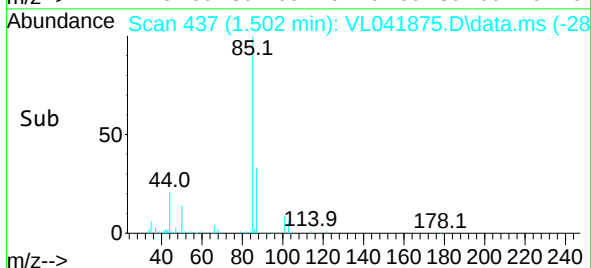
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

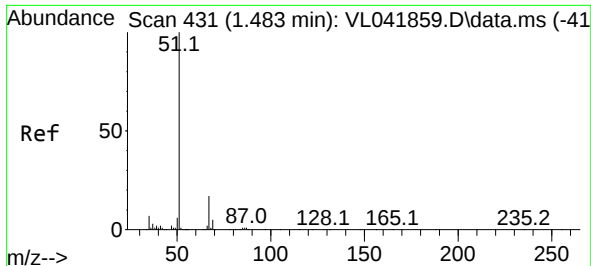


#2
Dichlorodifluoromethane
Concen: 0.446 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16



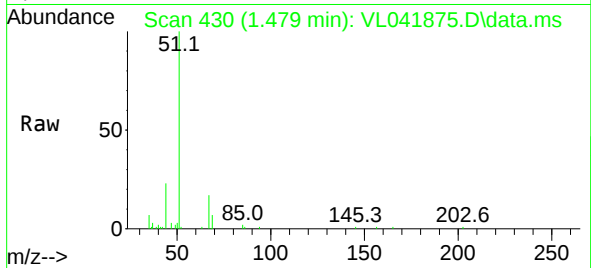
Tgt Ion: 85 Resp: 8535
Ion Ratio Lower Upper
85 100
87 32.5 25.2 37.8





#3
Chlorodifluoromethane
Concen: 0.345 ppbv
RT: 1.479 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

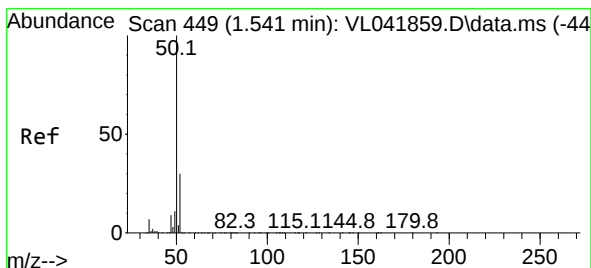
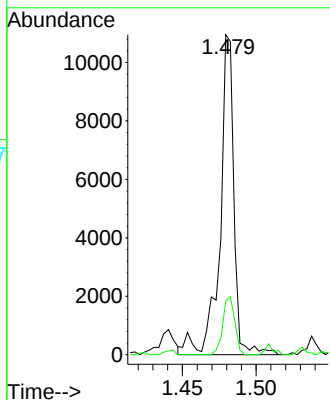
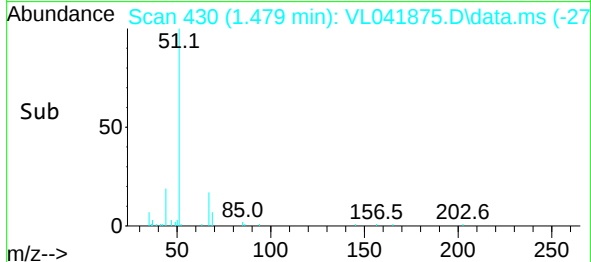
Instrument :
MSVOA_L
ClientSampleId :
AMBIENT AIRDUP



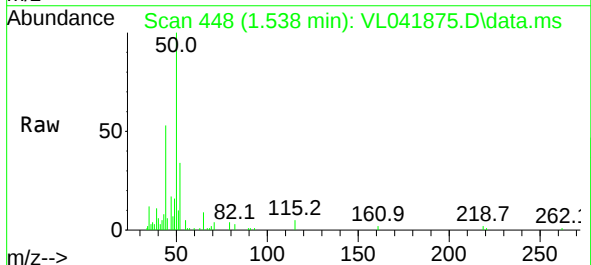
Tgt Ion: 51 Resp: 7260
Ion Ratio Lower Upper
51 100
67 15.8 13.8 20.8

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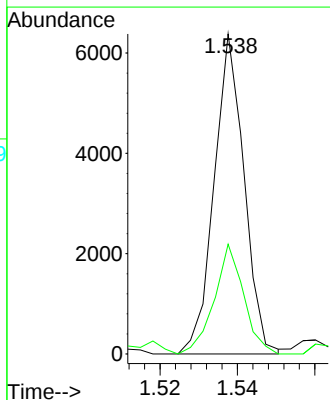
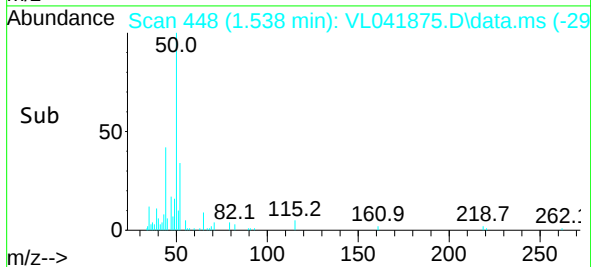
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

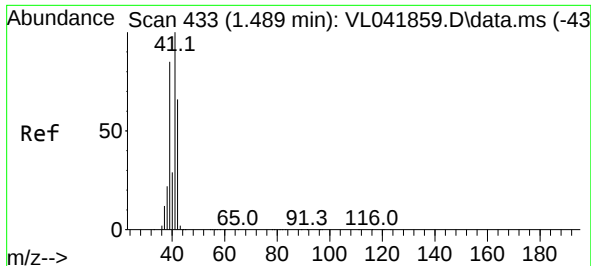


#4
Chloromethane
Concen: 0.460 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16



Tgt Ion: 50 Resp: 3426
Ion Ratio Lower Upper
50 100
52 34.3 23.9 35.9





#9

Propene

Concen: 0.332 ppbv

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041875.D

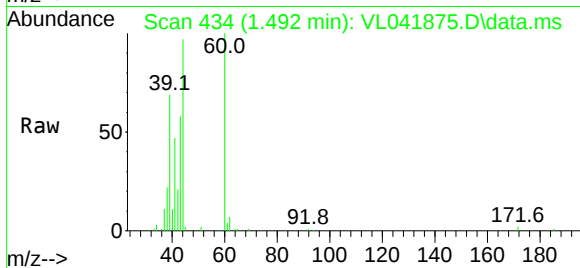
Acq: 09 Jan 2025 20:16

Instrument :

MSVOA_L

ClientSampleId :

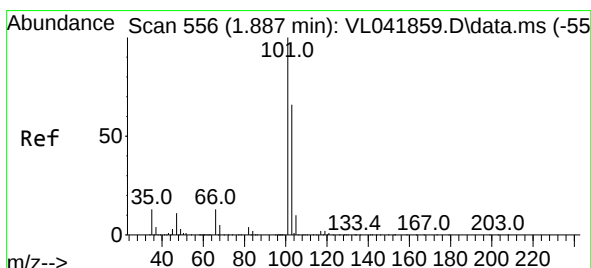
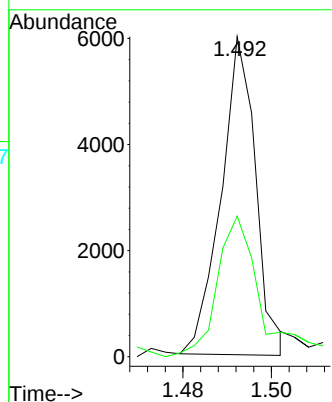
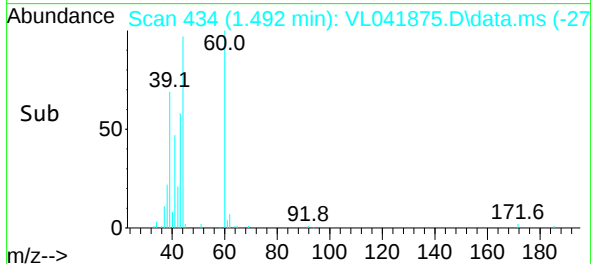
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Tgt Ion: 41 Resp: 325
Ion Ratio Lower Upper
41 100
42 54.1 53.0 79.6

Manual Integrations
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Supervised By :Semsettin Yesilyurt 01/10/2025



#11

Trichlorofluoromethane

Concen: 0.236 ppbv

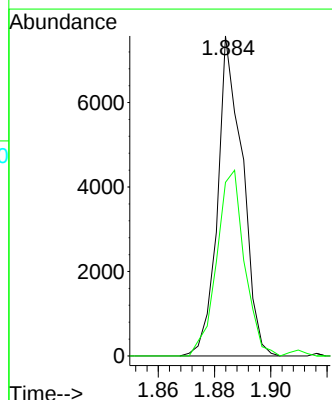
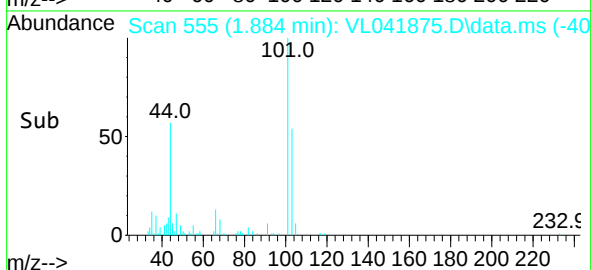
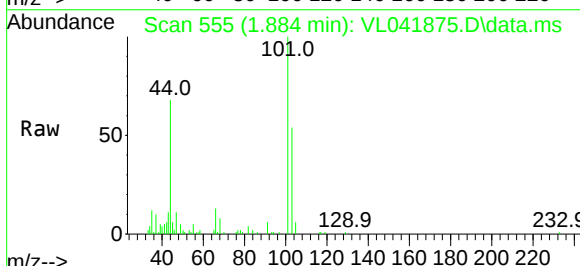
RT: 1.884 min Scan# 555

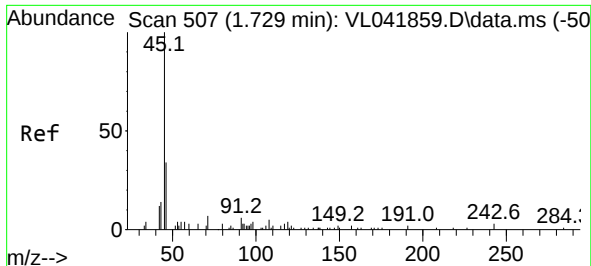
Delta R.T. -0.003 min

Lab File: VL041875.D

Acq: 09 Jan 2025 20:16

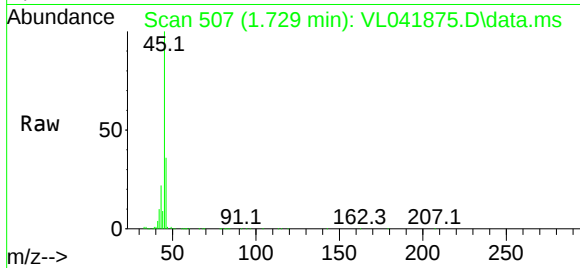
Tgt Ion:101 Resp: 4646
Ion Ratio Lower Upper
101 100
103 54.2 52.6 78.8





#13
Ethanol
Concen: 62.002 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

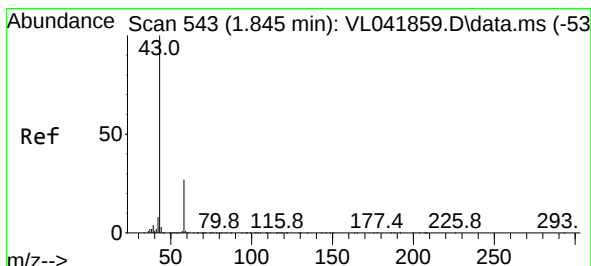
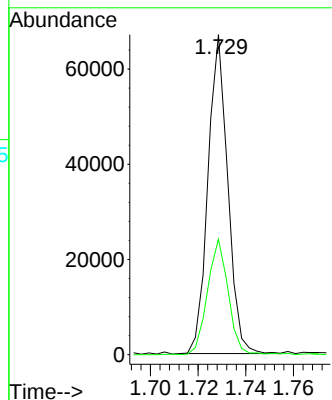
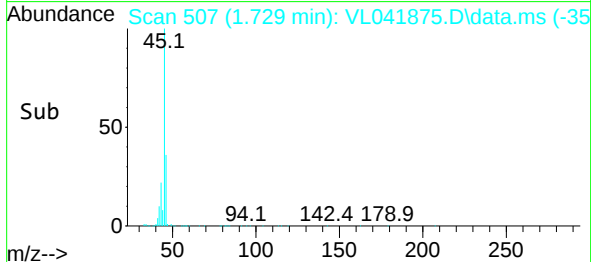
Instrument :
MSVOA_L
ClientSampleId :
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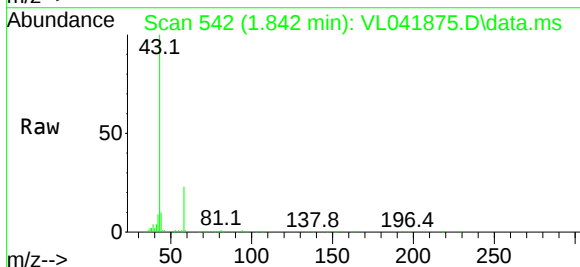
Tgt Ion: 45 Resp: 38640
Ion Ratio Lower Upper
45 100
46 38.5 19.0 76.0

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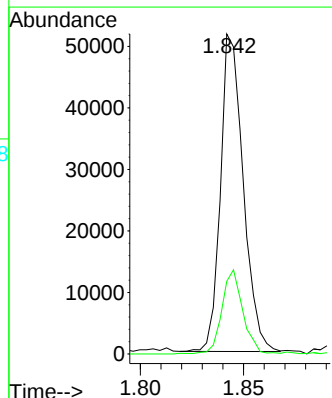
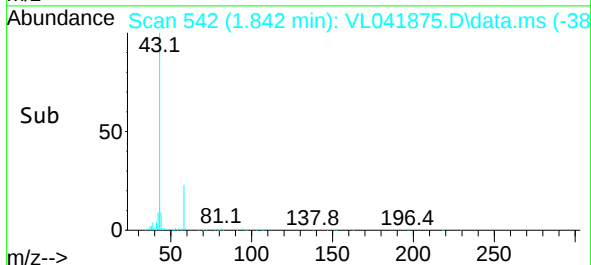
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

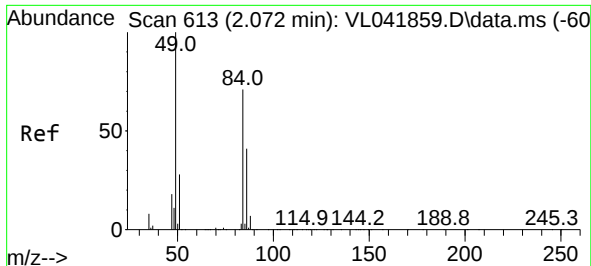


#15
Acetone
Concen: 2.007 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16



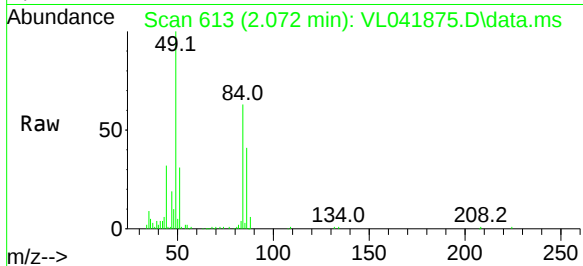
Tgt Ion: 43 Resp: 39483
Ion Ratio Lower Upper
43 100
58 25.0 22.7 34.1





#20
Methylene Chloride
Concen: 1.178 ppbv
RT: 2.072 min Scan# 613
Delta R.T. -0.000 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

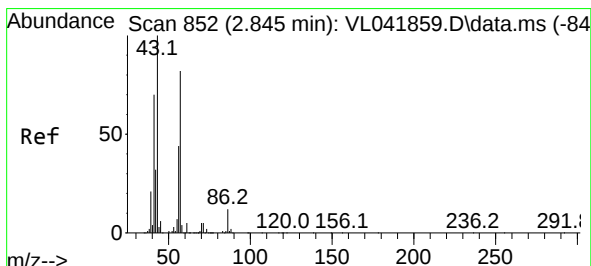
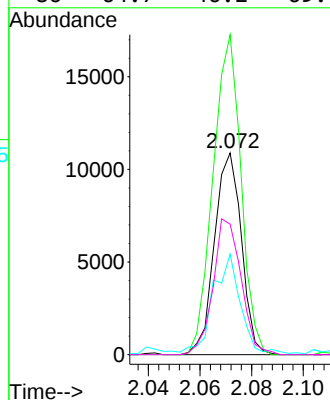
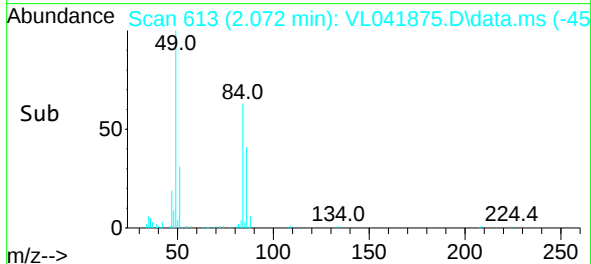
Instrument :
MSVOA_L
ClientSampleId :
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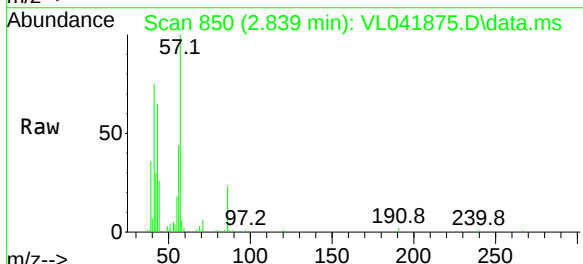
Tgt Ion: 84 Resp: 790
Ion Ratio Lower Upper
84 100
49 158.6 113.8 170.8
51 48.7 33.5 50.3
86 64.7 46.2 69.4

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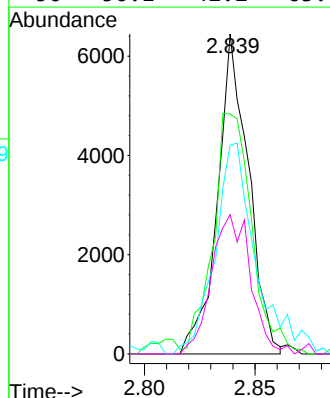
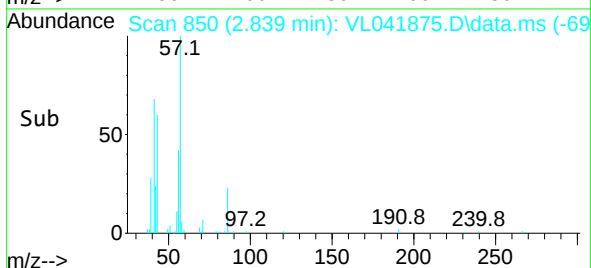
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

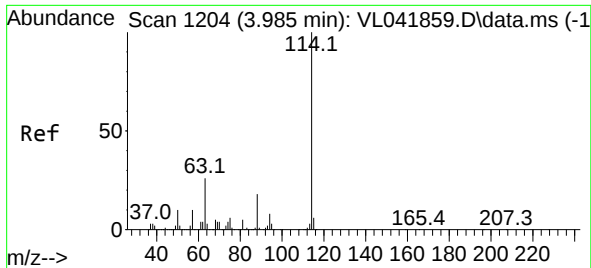


#26
Hexane
Concen: 0.312 ppbv
RT: 2.839 min Scan# 850
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16



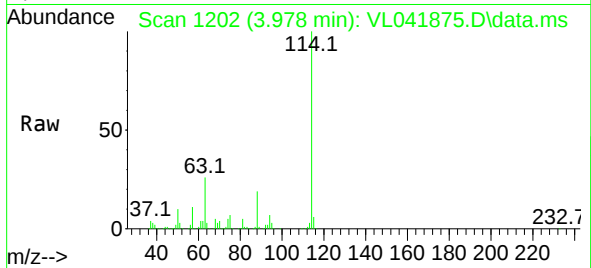
Tgt Ion: 57 Resp: 6270
Ion Ratio Lower Upper
57 100
41 98.0 71.5 107.3
43 90.4 200.2 300.4#
56 56.1 42.2 63.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 114
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

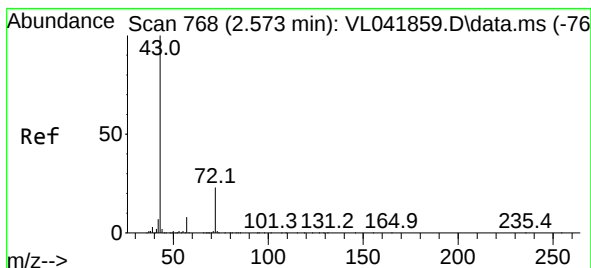
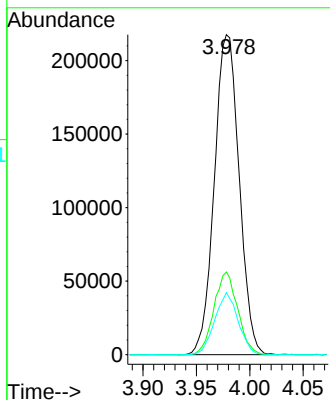
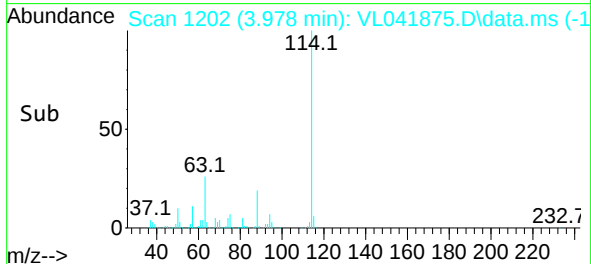
Instrument :
MSVOA_L
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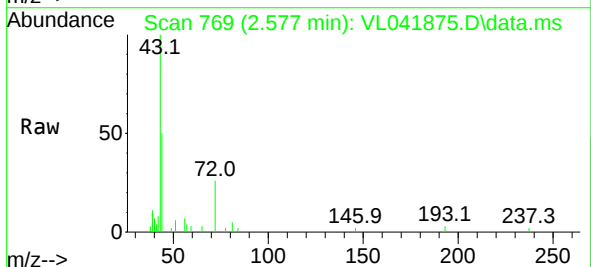
Tgt Ion:114 Resp: 35141
Ion Ratio Lower Upper
114 100
63 24.7 20.3 30.5
88 18.2 14.6 21.8

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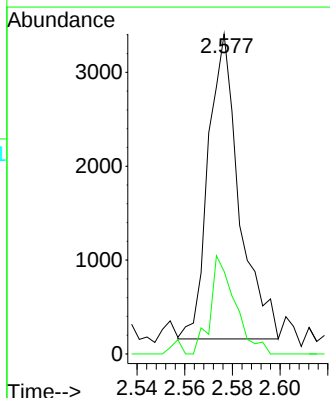
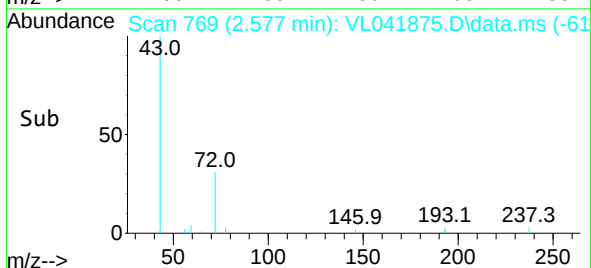
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

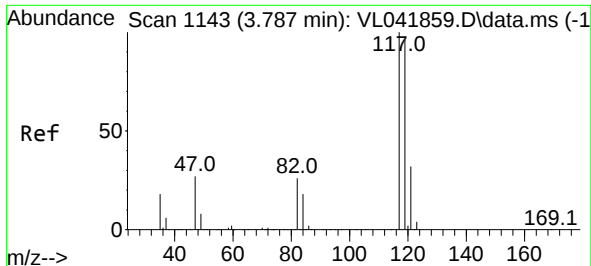


#34
2-Butanone
Concen: 0.100 ppbv
RT: 2.577 min Scan# 769
Delta R.T. 0.003 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16



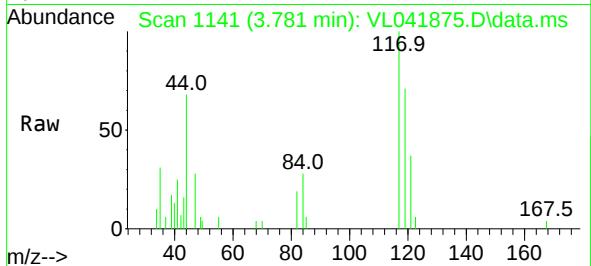
Tgt Ion: 43 Resp: 2930
Ion Ratio Lower Upper
43 100
72 27.2 18.5 27.7





#35
Carbon Tetrachloride
Concen: 0.068 ppbv m
RT: 3.781 min Scan# 1143
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16

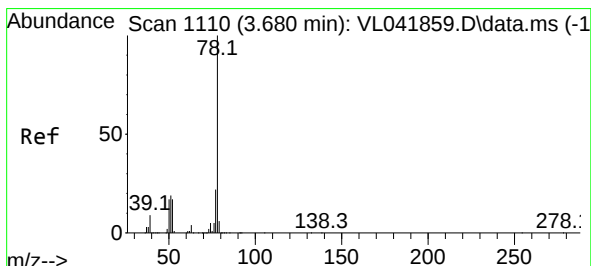
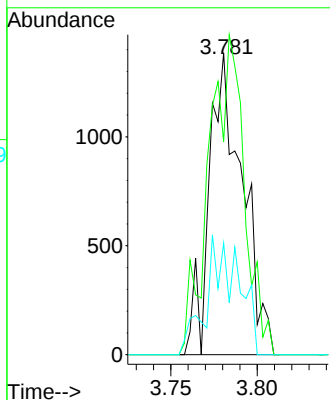
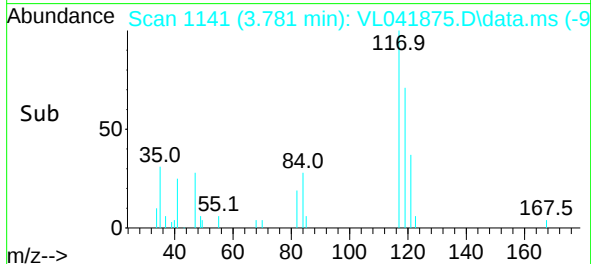
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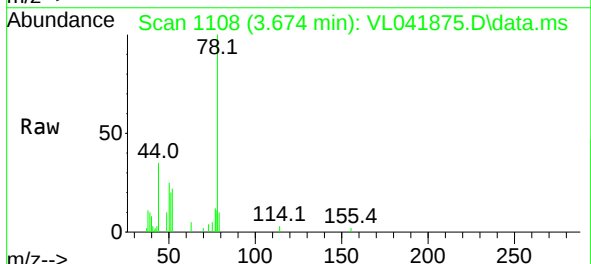
Tgt Ion: 117 Resp: 1844
Ion Ratio Lower Upper
117 100
119 70.6 76.9 115.3
121 37.0 25.9 38.9

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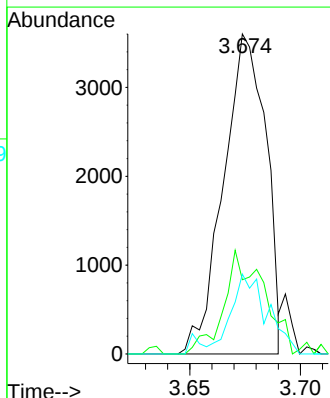
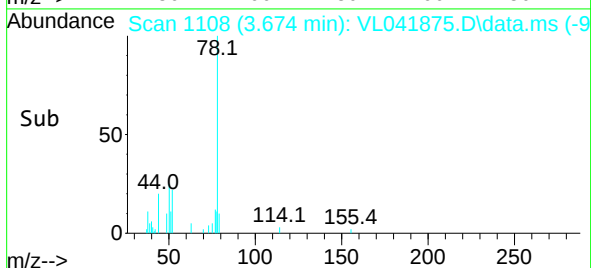
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

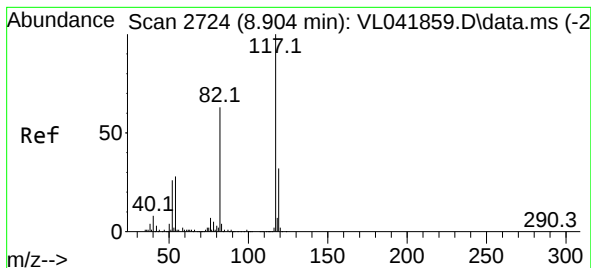


#36
Benzene
Concen: 0.118 ppbv
RT: 3.674 min Scan# 1108
Delta R.T. -0.007 min
Lab File: VL041875.D
Acq: 09 Jan 2025 20:16



Tgt Ion: 78 Resp: 4802
Ion Ratio Lower Upper
78 100
77 23.2 17.9 26.9
50 25.0 13.7 20.5





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.901 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL041875.D

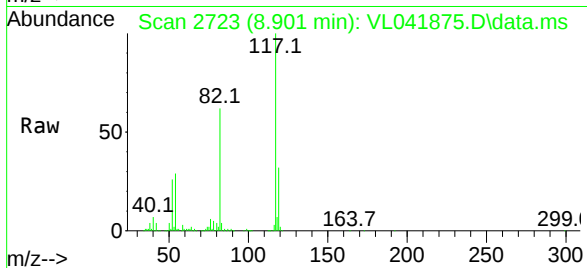
Acq: 09 Jan 2025 20:16

Instrument :

MSVOA_L

ClientSampleId :

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Tgt Ion: 117 Resp: 31738

Ion Ratio Lower Upper

117 100

82 63.7 54.5 81.7

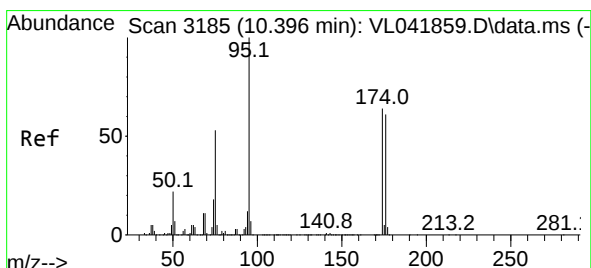
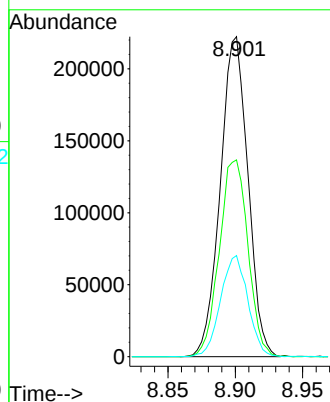
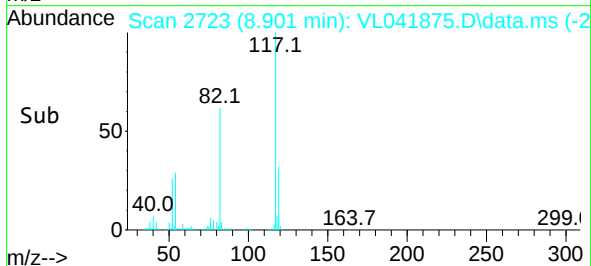
119 31.3 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.999 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. -0.007 min

Lab File: VL041875.D

Acq: 09 Jan 2025 20:16

Tgt Ion: 95 Resp: 254476

Ion Ratio Lower Upper

95 100

174 60.4 51.1 76.7

175 4.8 3.8 5.8

