

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
 Data File : VL041873.D
 Acq On : 09 Jan 2025 19:10
 Operator : SY/MD
 Sample : Q1037-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 GARAGE

Manual Integrations
 APPROVED

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

Quant Time: Jan 10 01:45:45 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	117703	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.978	114	358809	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	322467	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	259255	10.027	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.300%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.502	85	8570	0.444	ppbv	89
3) Chlorodifluoromethane	1.479	51	4842m	0.228	ppbv	
4) Chloromethane	1.538	50	3716	0.495	ppbv	97
9) Propene	1.492	41	32873m	3.319	ppbv	
11) Trichlorofluoromethane	1.884	101	5197	0.262	ppbv	95
13) Ethanol	1.729	45	493455	784.479	ppbv	85
15) Acetone	1.842	43	68601	3.456	ppbv	94
17) tert-Butyl alcohol	2.052	59	2600	0.115	ppbv #	42
19) Isopropyl Alcohol	1.897	45	12736	1.221	ppbv #	1
20) Methylene Chloride	2.072	84	3372	0.498	ppbv #	92
26) Hexane	2.842	57	6813	0.336	ppbv #	49
30) Cyclohexane	3.881	84	2030m	0.116	ppbv	
34) 2-Butanone	2.577	43	5540	0.186	ppbv	91
35) Carbon Tetrachloride	3.781	117	2122m	0.076	ppbv	
36) Benzene	3.677	78	9404m	0.226	ppbv	
53) Toluene	6.959	91	13871	0.280	ppbv	96
59) m/p-Xylene	9.548	91	9007	0.172	ppbv #	100
74) 1,2,4-Trimethylbenzene	11.549	105	6458	0.109	ppbv #	53

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

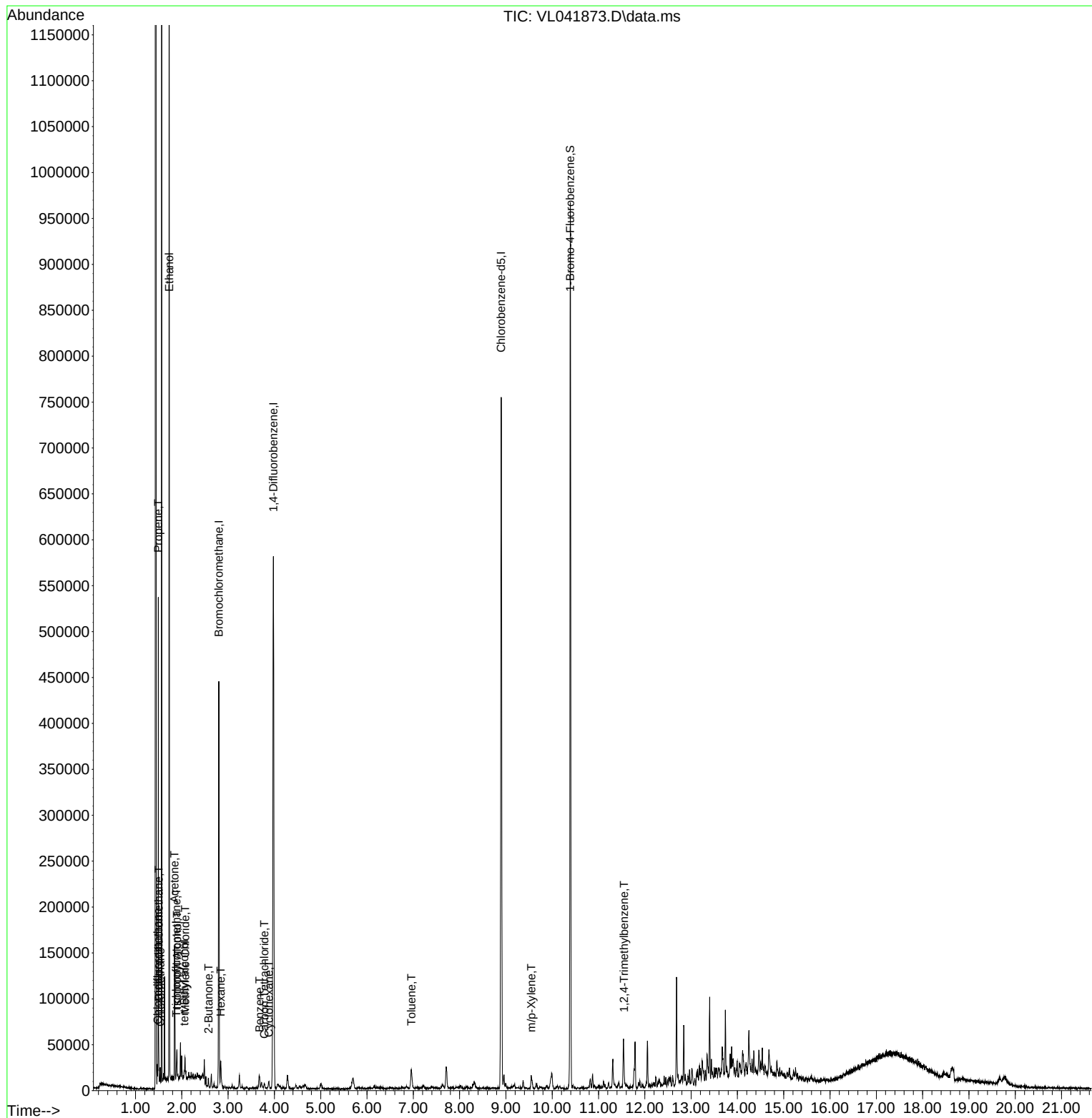
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010925\
Data File : VL041873.D
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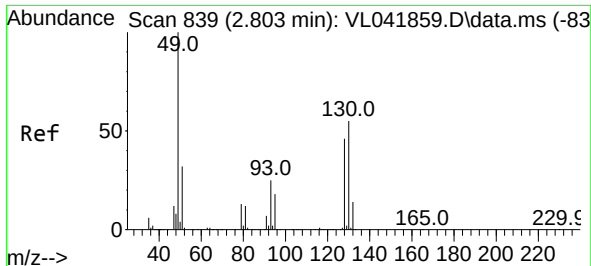
Instrument :
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GARAGE

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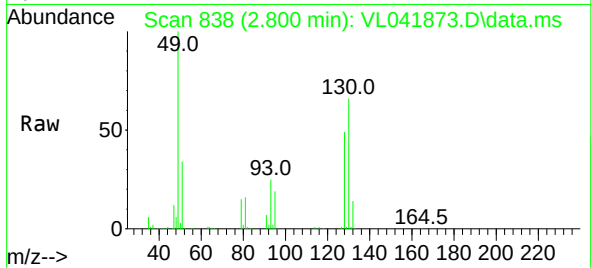
Quant Time: Jan 10 01:45:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL010925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Jan 10 00:31:30 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

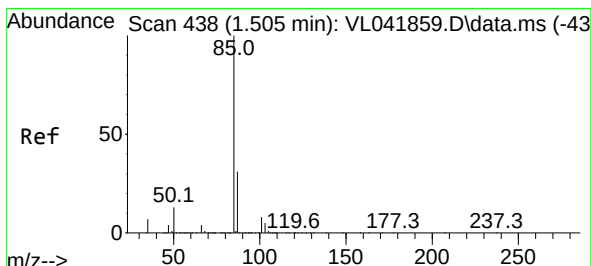
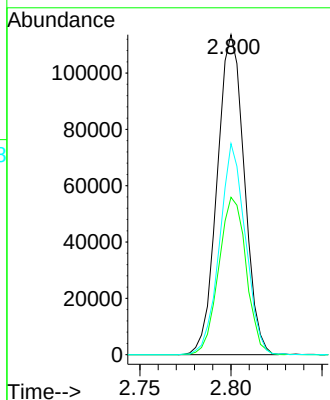
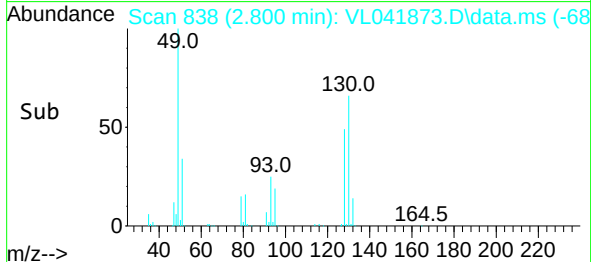
Instrument :
MSVOA_L
ClientSampleId :
GARAGE



Tgt Ion: 49 Resp: 11770
Ion Ratio Lower Upper
49 100
128 49.7 23.2 69.5
130 62.9 29.9 89.8

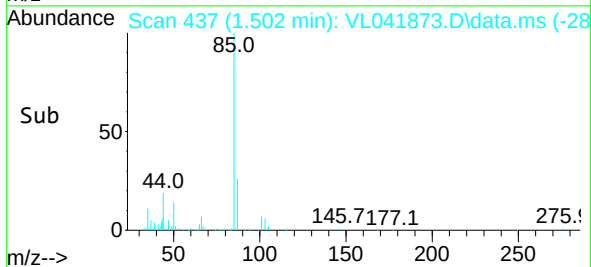
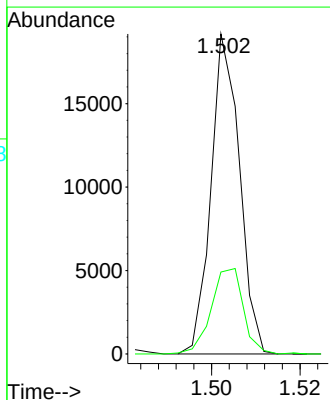
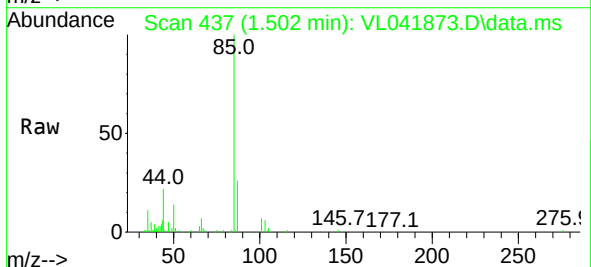
Manual Integrations
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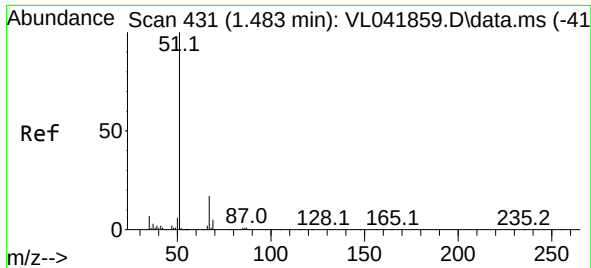
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#2
Dichlorodifluoromethane
Concen: 0.444 ppbv
RT: 1.502 min Scan# 437
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

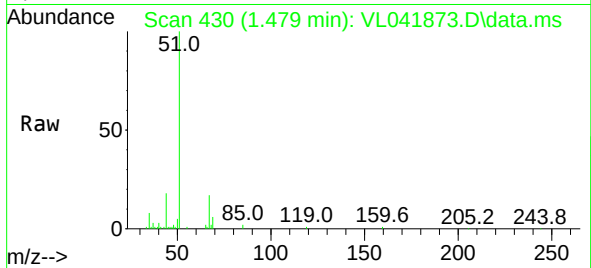
Tgt Ion: 85 Resp: 8570
Ion Ratio Lower Upper
85 100
87 25.6 25.2 37.8





#3
Chlorodifluoromethane
Concen: 0.228 ppbv m
RT: 1.479 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

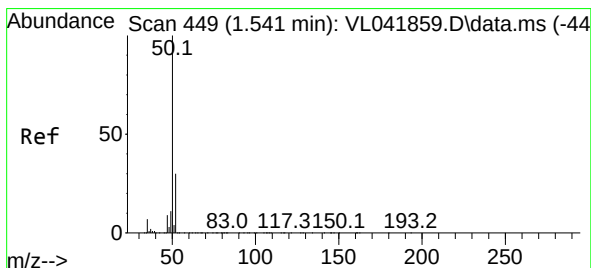
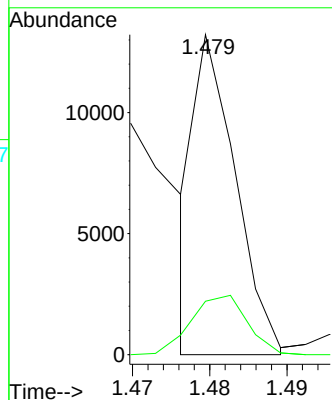
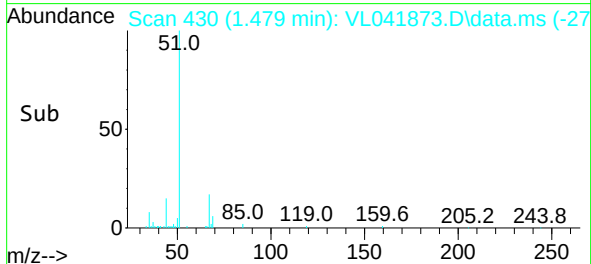
Instrument :
MSVOA_L
ClientSampleId :
GARAGE



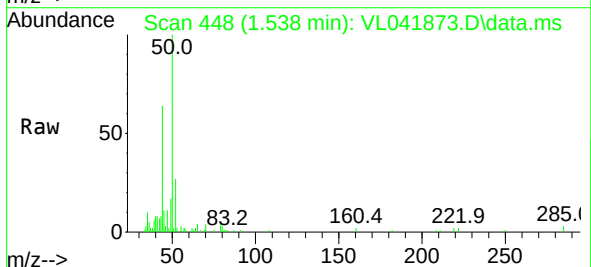
Tgt Ion: 51 Resp: 484
Ion Ratio Lower Upper
51 100
67 27.2 13.8 20.8

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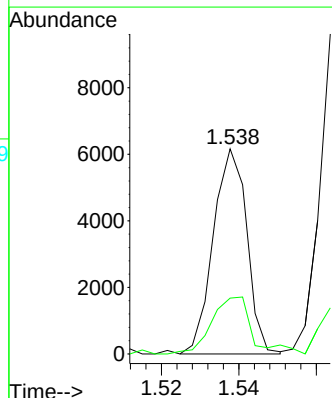
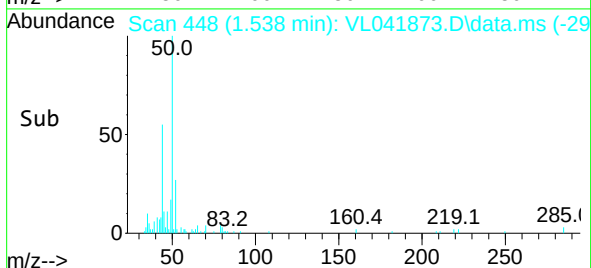
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

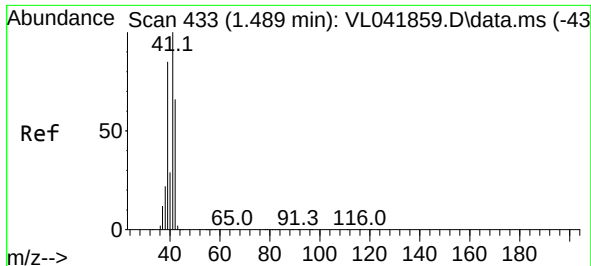


#4
Chloromethane
Concen: 0.495 ppbv
RT: 1.538 min Scan# 448
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10



Tgt Ion: 50 Resp: 3716
Ion Ratio Lower Upper
50 100
52 28.2 23.9 35.9





#9

Propene

Concen: 3.319 ppbv m

RT: 1.492 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

GARAGE

Tgt Ion: 41 Resp: 3287

Ion Ratio Lower Upper

41 100

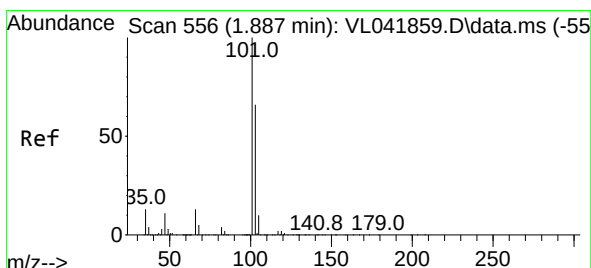
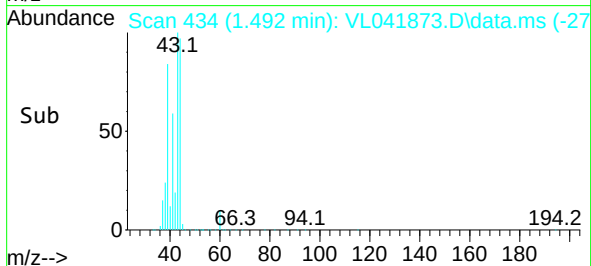
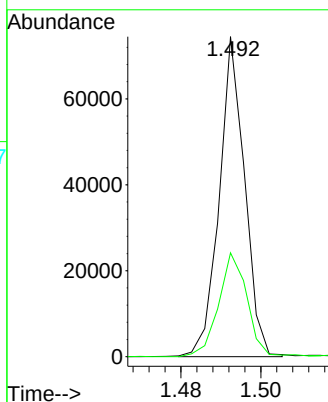
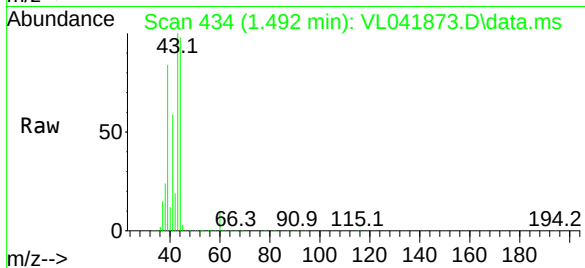
42 417.7 53.0 79.6

Manual Integrations

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Supervised By :Semsettin Yesilyurt 01/10/2025



#11

Trichlorofluoromethane

Concen: 0.262 ppbv

RT: 1.884 min Scan# 555

Delta R.T. -0.003 min

Lab File: VL041873.D

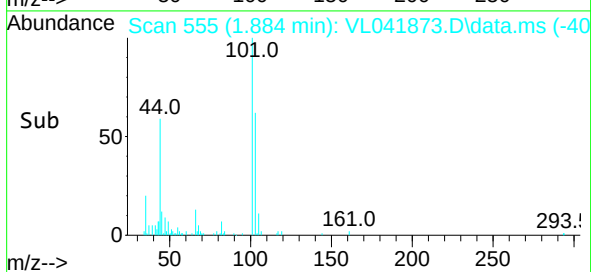
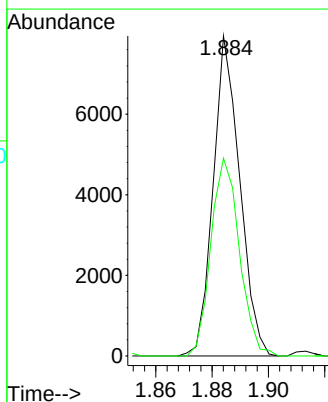
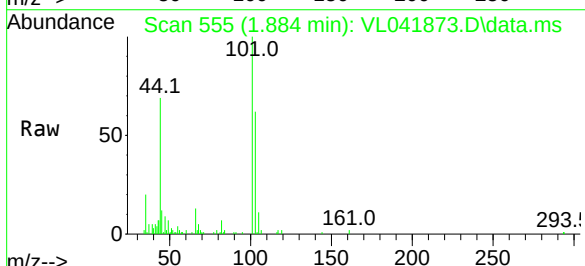
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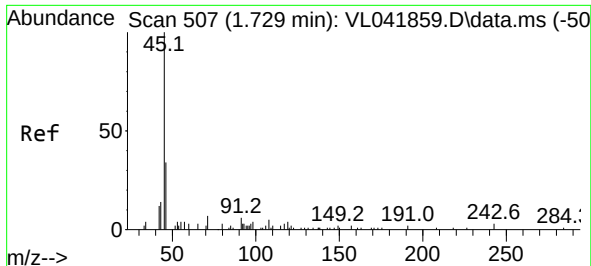
Tgt Ion:101 Resp: 5197

Ion Ratio Lower Upper

101 100

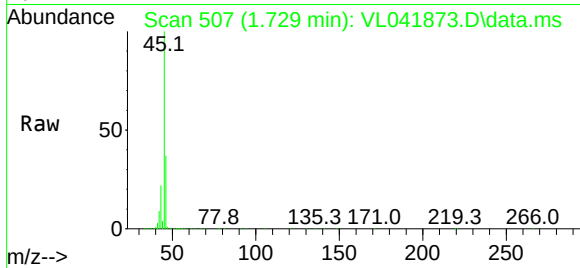
103 61.8 52.6 78.8





#13
Ethanol
Concen: 784.479 ppbv
RT: 1.729 min Scan# 507
Delta R.T. -0.000 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

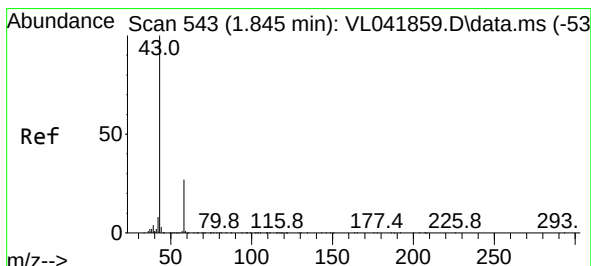
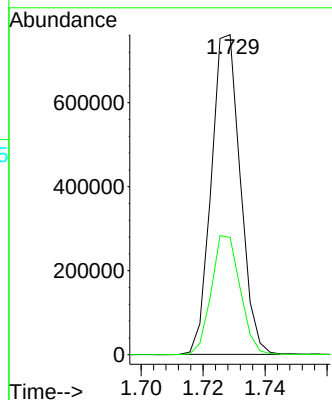
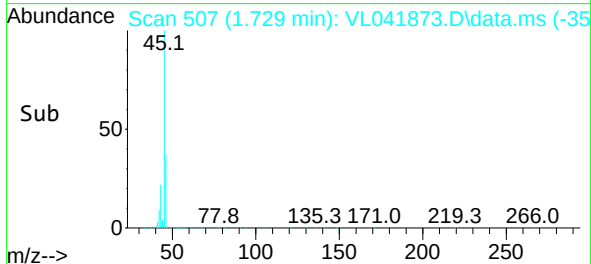
Instrument :
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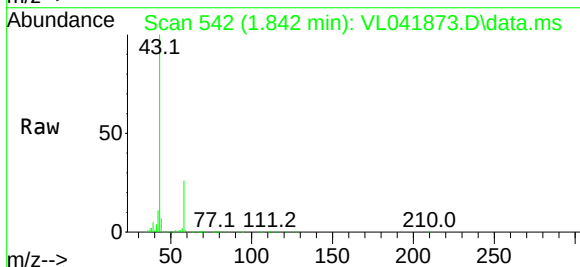
Tgt Ion: 45 Resp: 49345
Ion Ratio Lower Upper
45 100
46 37.4 19.0 76.0

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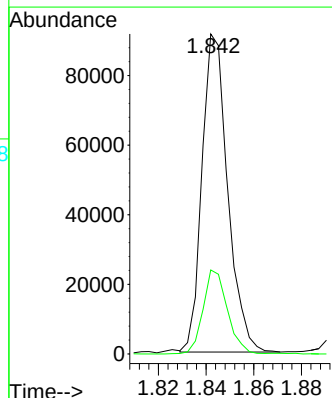
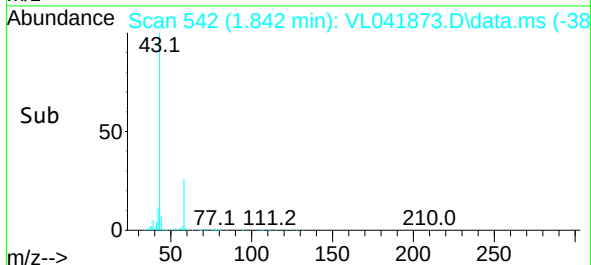
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

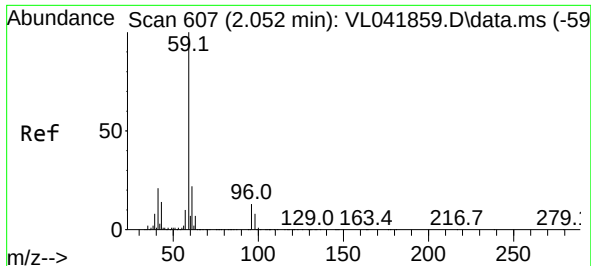


#15
Acetone
Concen: 3.456 ppbv
RT: 1.842 min Scan# 542
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10



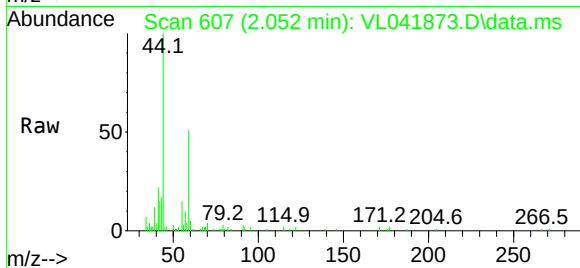
Tgt Ion: 43 Resp: 68601
Ion Ratio Lower Upper
43 100
58 25.2 22.7 34.1





#17
tert-Butyl alcohol
Concen: 0.115 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.000 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

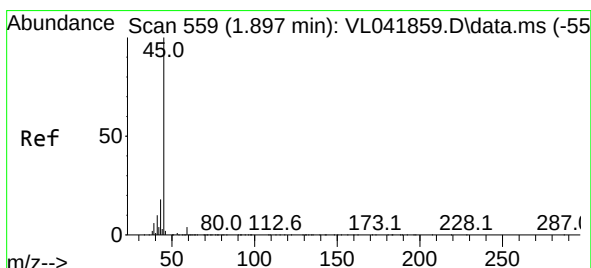
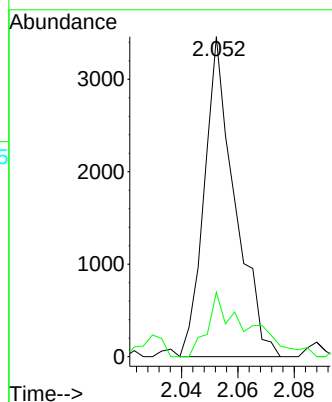
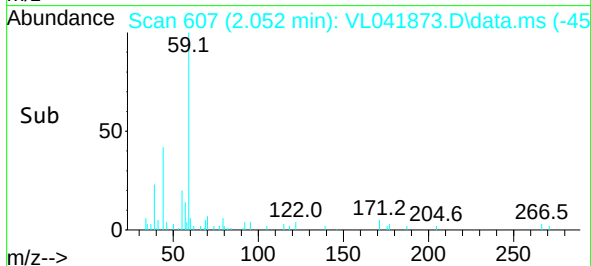
Instrument :
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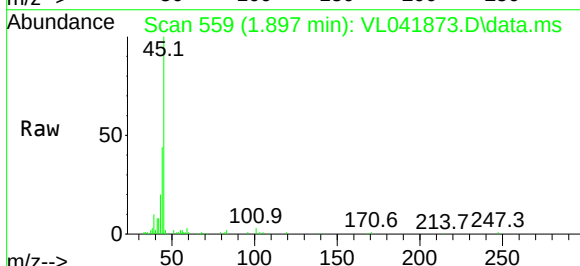
Tgt Ion: 59 Resp: 2600
Ion Ratio Lower Upper
59 100
57 32.0 8.2 12.4

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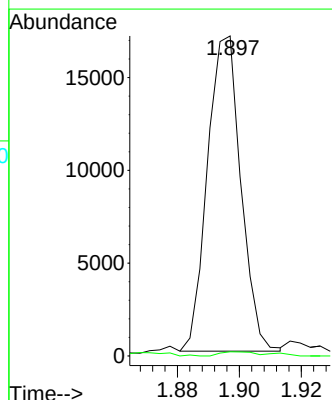
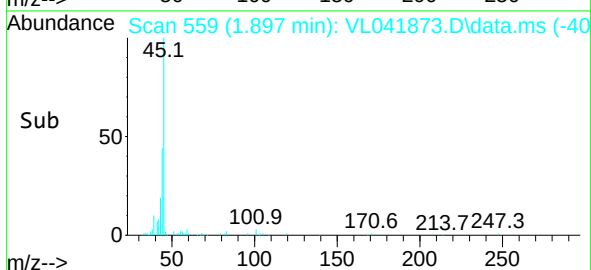
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

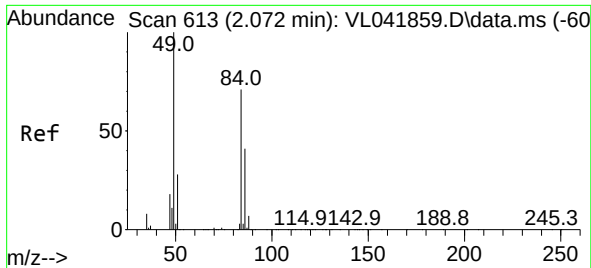


#19
Isopropyl Alcohol
Concen: 1.221 ppbv
RT: 1.897 min Scan# 559
Delta R.T. -0.000 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10



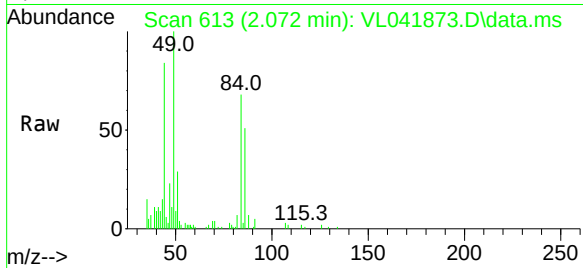
Tgt Ion: 45 Resp: 12736
Ion Ratio Lower Upper
45 100
58 135.7 37.0 55.6





#20
Methylene Chloride
Concen: 0.498 ppbv
RT: 2.072 min Scan# 613
Delta R.T. -0.000 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

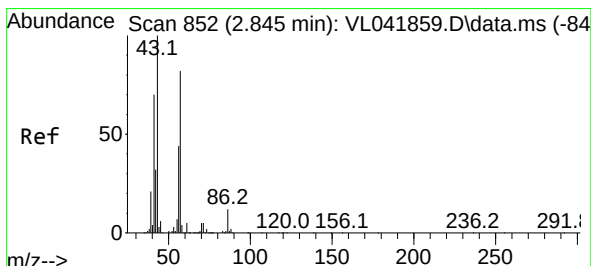
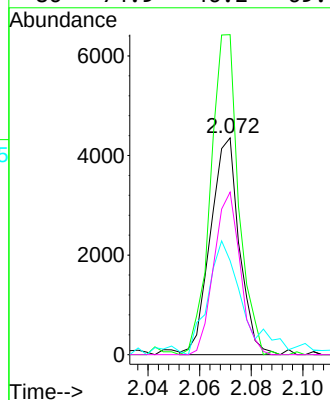
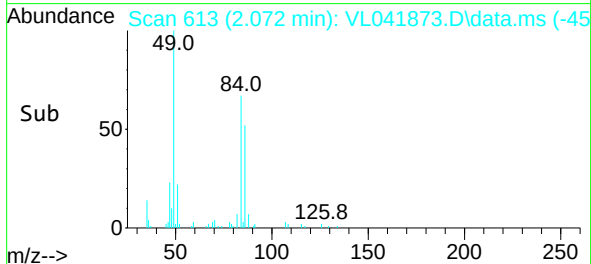
Instrument :
MSVOA_L
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GARAGE



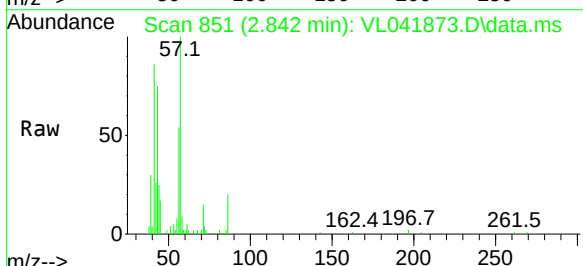
Tgt Ion: 84 Resp: 3372
Ion Ratio Lower Upper
84 100
49 147.6 113.8 170.8
51 41.9 33.5 50.3
86 74.9 46.2 69.4#

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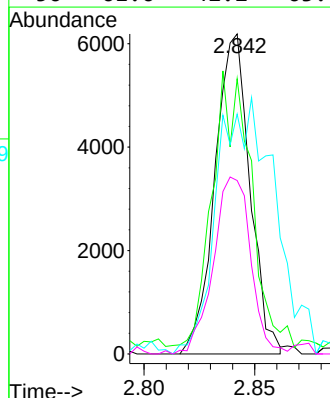
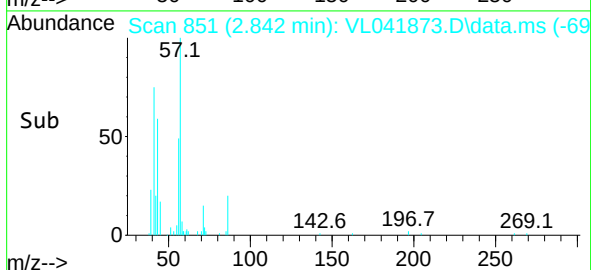
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

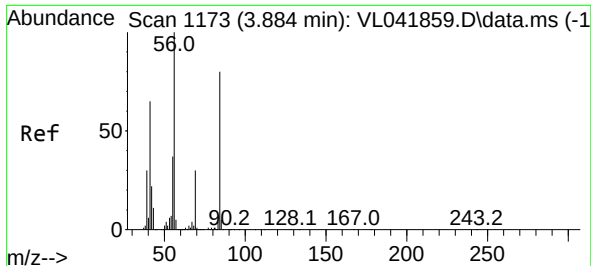


#26
Hexane
Concen: 0.336 ppbv
RT: 2.842 min Scan# 851
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10



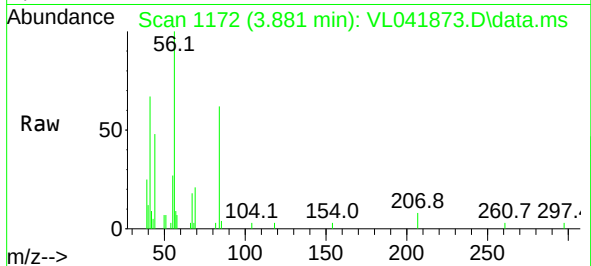
Tgt Ion: 57 Resp: 6813
Ion Ratio Lower Upper
57 100
41 109.7 71.5 107.3#
43 127.7 200.2 300.4#
56 61.6 42.2 63.4





#30
Cyclohexane
Concen: 0.116 ppbv m
RT: 3.881 min Scan# 1173
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

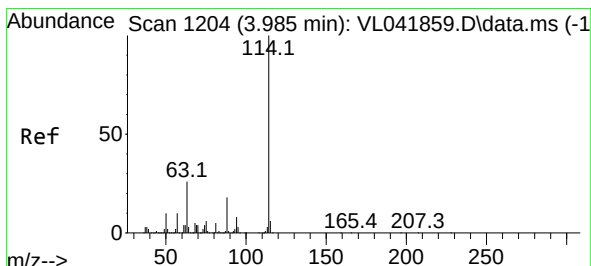
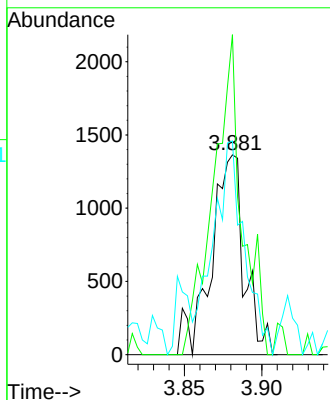
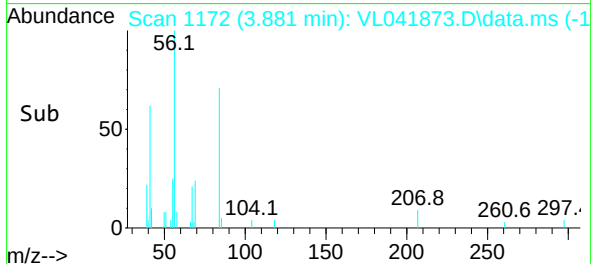
Instrument :
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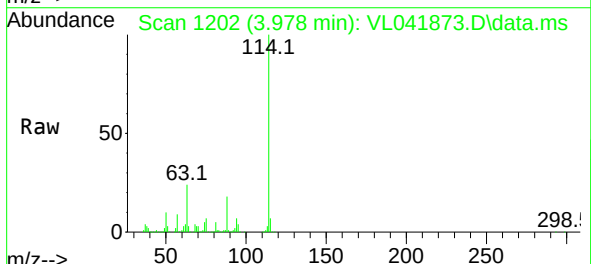
Tgt Ion: 84 Resp: 2030
Ion Ratio Lower Upper
84 100
56 143.7 100.7 151.1
41 144.4 62.8 94.2

Manual Integrations
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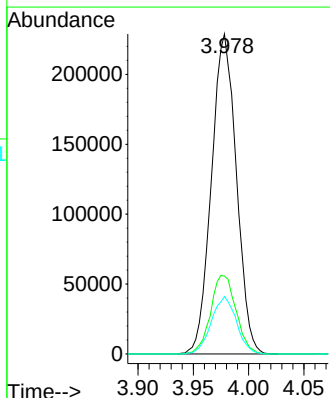
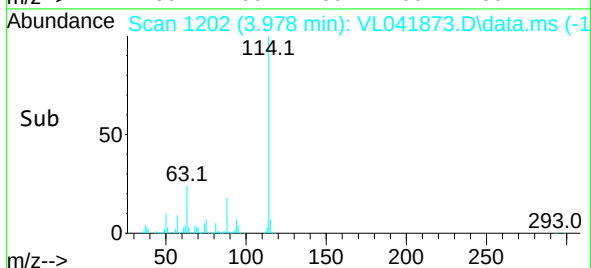
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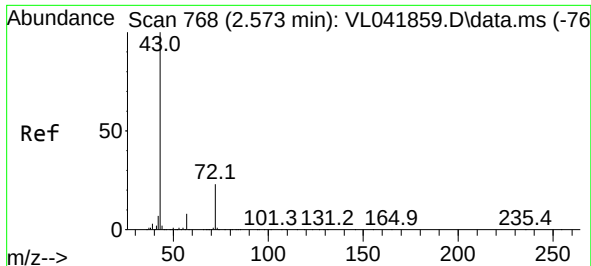


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. -0.006 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10



Tgt Ion:114 Resp: 358809
Ion Ratio Lower Upper
114 100
63 25.1 20.3 30.5
88 18.0 14.6 21.8





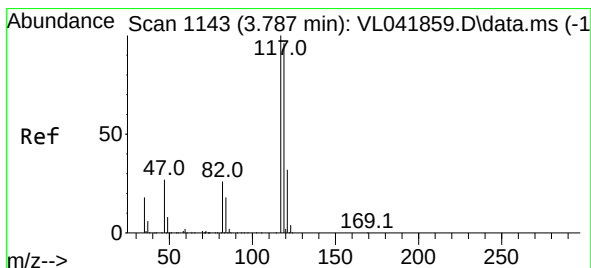
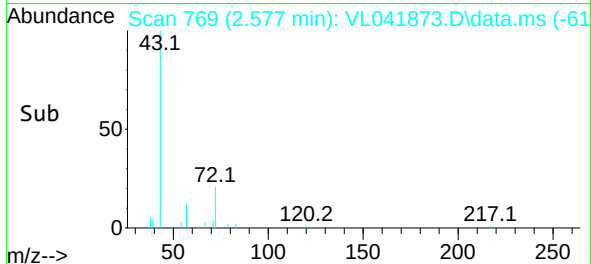
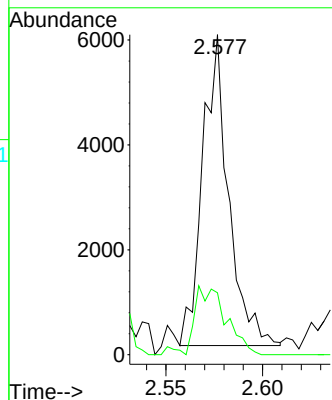
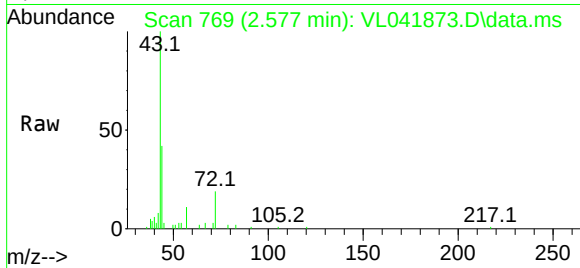
#34
2-Butanone
Concen: 0.186 ppbv
RT: 2.577 min Scan# 70
Delta R.T. 0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Instrument :
MSVOA_L
ClientSampleId :
GARAGE

Tgt Ion: 43 Resp: 5540
Ion Ratio Lower Upper
43 100
72 27.3 18.5 27.7

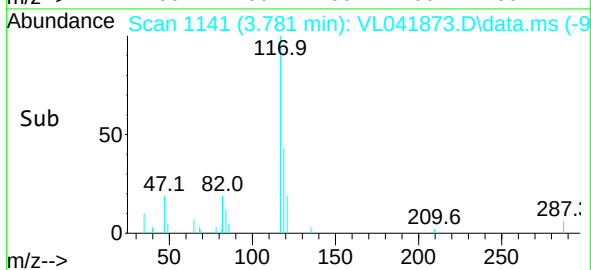
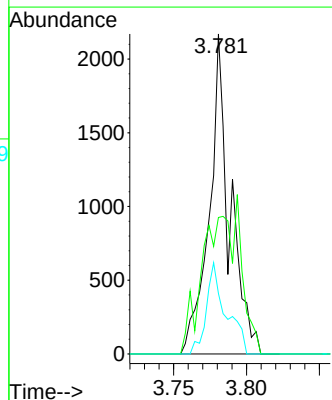
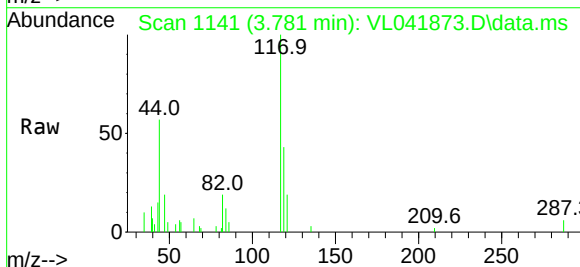
Manual Integrations
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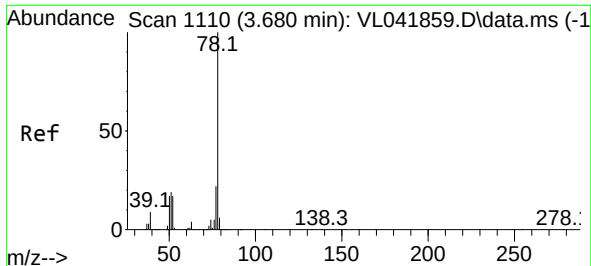
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#35
Carbon Tetrachloride
Concen: 0.076 ppbv m
RT: 3.781 min Scan# 1141
Delta R.T. -0.006 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

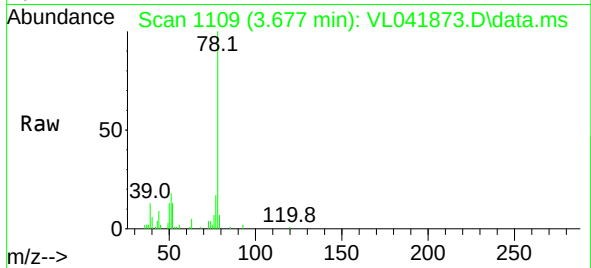
Tgt Ion:117 Resp: 2122
Ion Ratio Lower Upper
117 100
119 42.7 76.9 115.3#
121 18.9 25.9 38.9#





#36
Benzene
Concen: 0.226 ppbv m
RT: 3.677 min Scan# 1110
Delta R.T. -0.003 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

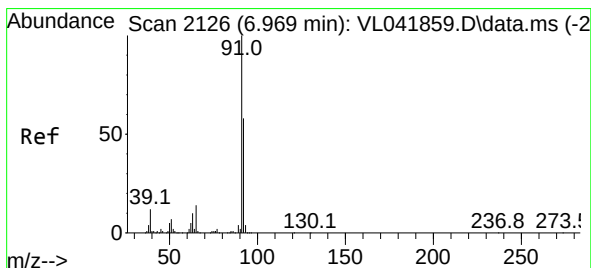
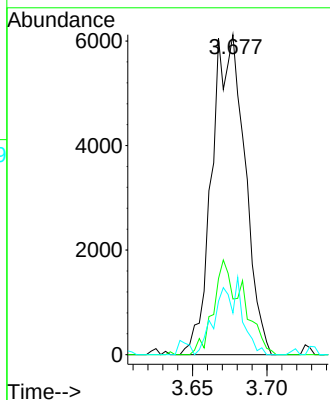
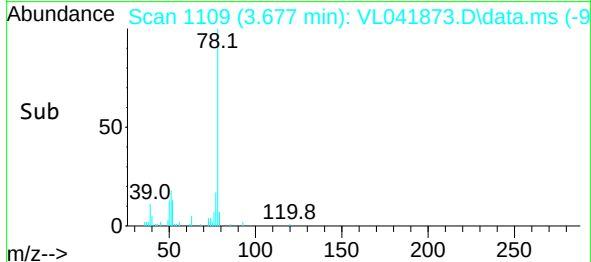
Instrument :
MSVOA_L
ClientSampleId :
GARAGE



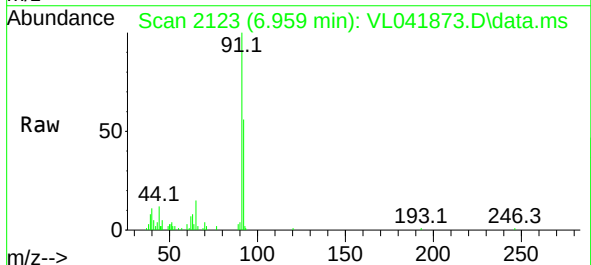
Tgt Ion: 78 Resp: 9404
Ion Ratio Lower Upper
78 100
77 17.4 17.9 26.9
50 13.0 13.7 20.5

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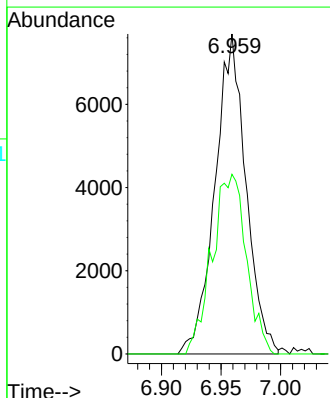
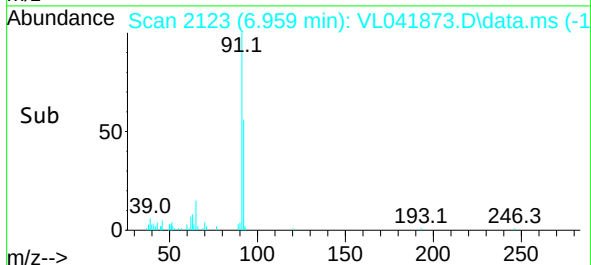
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025

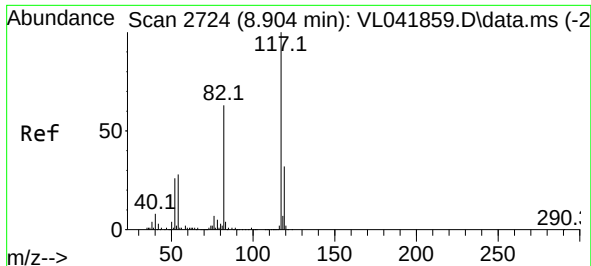


#53
Toluene
Concen: 0.280 ppbv
RT: 6.959 min Scan# 2123
Delta R.T. -0.010 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10



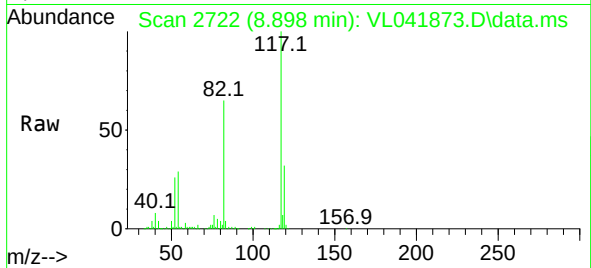
Tgt Ion: 91 Resp: 13871
Ion Ratio Lower Upper
91 100
92 62.2 47.2 70.8





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

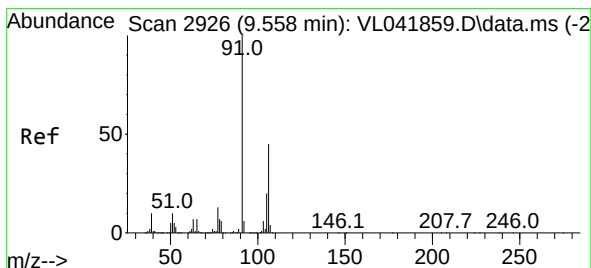
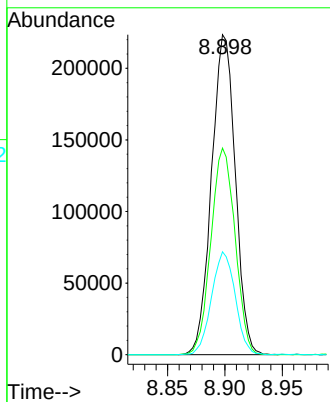
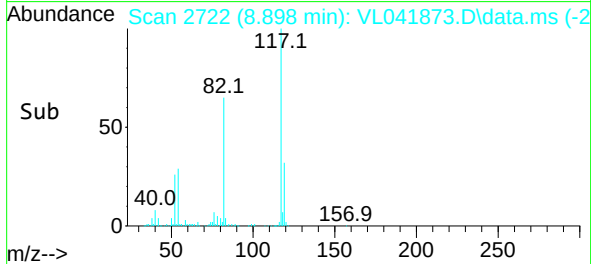
Instrument :
MSVOA_L
ClientSampleId :
GARAGE



Tgt Ion: 117 Resp: 32246
Ion Ratio Lower Upper
117 100
82 65.6 54.5 81.7
119 32.1 24.6 37.0

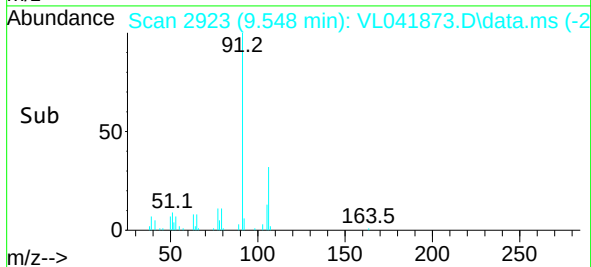
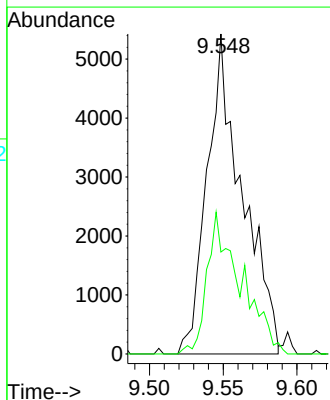
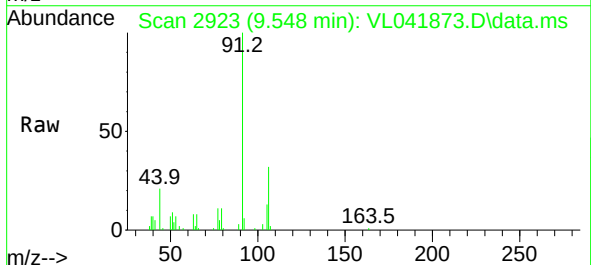
Manual Integrations
APPROVED

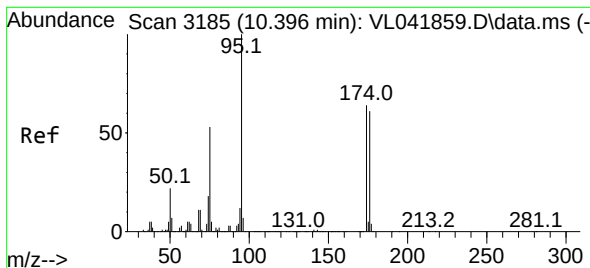
Reviewed By :Mahesh Dadoda 01/10/2025
Supervised By :Semsettin Yesilyurt 01/10/2025



#59
m/p-Xylene
Concen: 0.172 ppbv
RT: 9.548 min Scan# 2923
Delta R.T. -0.010 min
Lab File: VL041873.D
Acq: 09 Jan 2025 19:10

Tgt Ion: 91 Resp: 9007
Ion Ratio Lower Upper
91 100
106 42.4 0.0 0.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.027 ppbv

RT: 10.390 min Scan# 3185

Delta R.T. -0.007 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Instrument :

MSVOA_L

ClientSampleId :

GARAGE

Tgt Ion: 95 Resp: 25925

Ion Ratio Lower Upper

95 100

174 61.4 51.1 76.7

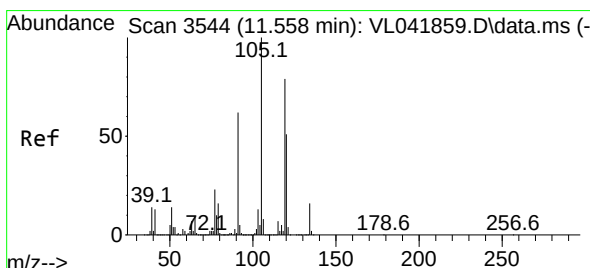
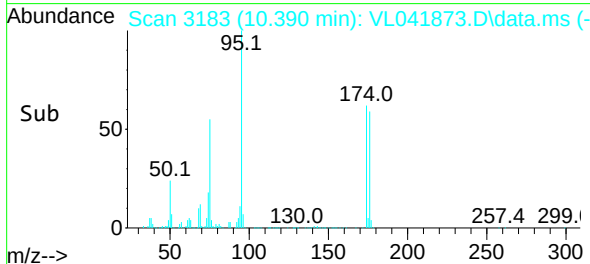
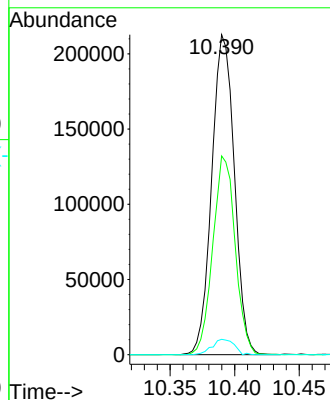
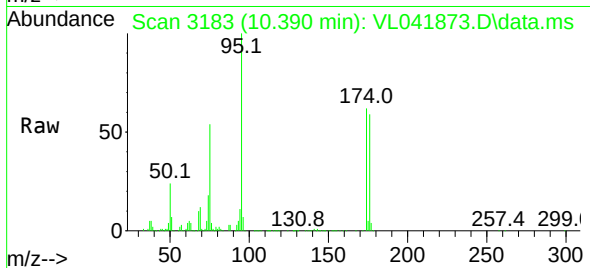
175 4.7 3.8 5.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 01/10/2025

Supervised By :Semsettin Yesilyurt 01/10/2025



#74

1,2,4-Trimethylbenzene

Concen: 0.109 ppbv

RT: 11.549 min Scan# 3541

Delta R.T. -0.010 min

Lab File: VL041873.D

Acq: 09 Jan 2025 19:10

Tgt Ion:105 Resp: 6458

Ion Ratio Lower Upper

105 100

120 33.4 41.1 61.7#

91 8.0 50.0 75.0#

77 9.6 18.2 27.4#

