

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
 Data File : VL042637.D
 Acq On : 16 Jun 2025 19:46
 Operator : SY/MD
 Sample : Q2317-03DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 115-IA-2DL

Quant Time: Jun 17 03:10:08 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Fri May 30 02:01:56 2025

Response via : Initial Calibration

Manual Integrations
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Reviewed By : Semsettin Yesilyurt 06/17/2025
 Supervised By : Mahesh Dadoda 06/17/2025

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

Internal Standards						
1) Bromochloromethane	2.790	49	101539	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	255635	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	225996	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.377	95	174084	10.276	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.800%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.499	85	1351	0.108	ppbv #	76
4) Chloromethane	1.534	50	802	0.162	ppbv #	87
11) Trichlorofluoromethane	1.877	101	14944	1.287	ppbv	93
13) Ethanol	1.722	45	104557	126.755	ppbv	96
15) Acetone	1.835	43	87546	7.158	ppbv	99
19) Isopropyl Alcohol	1.887	45	16309	2.231	ppbv #	1
26) Hexane	2.832	57	2298	0.151	ppbv #	79
34) 2-Butanone	2.560	43	8807	0.483	ppbv	94
41) Tetrahydrofuran	3.065	42	2948m	0.276	ppbv	
53) Toluene	6.933	91	2916m	0.100	ppbv	
76) 1,4-Dichlorobenzene	11.672	146	92972	4.309	ppbv	99

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

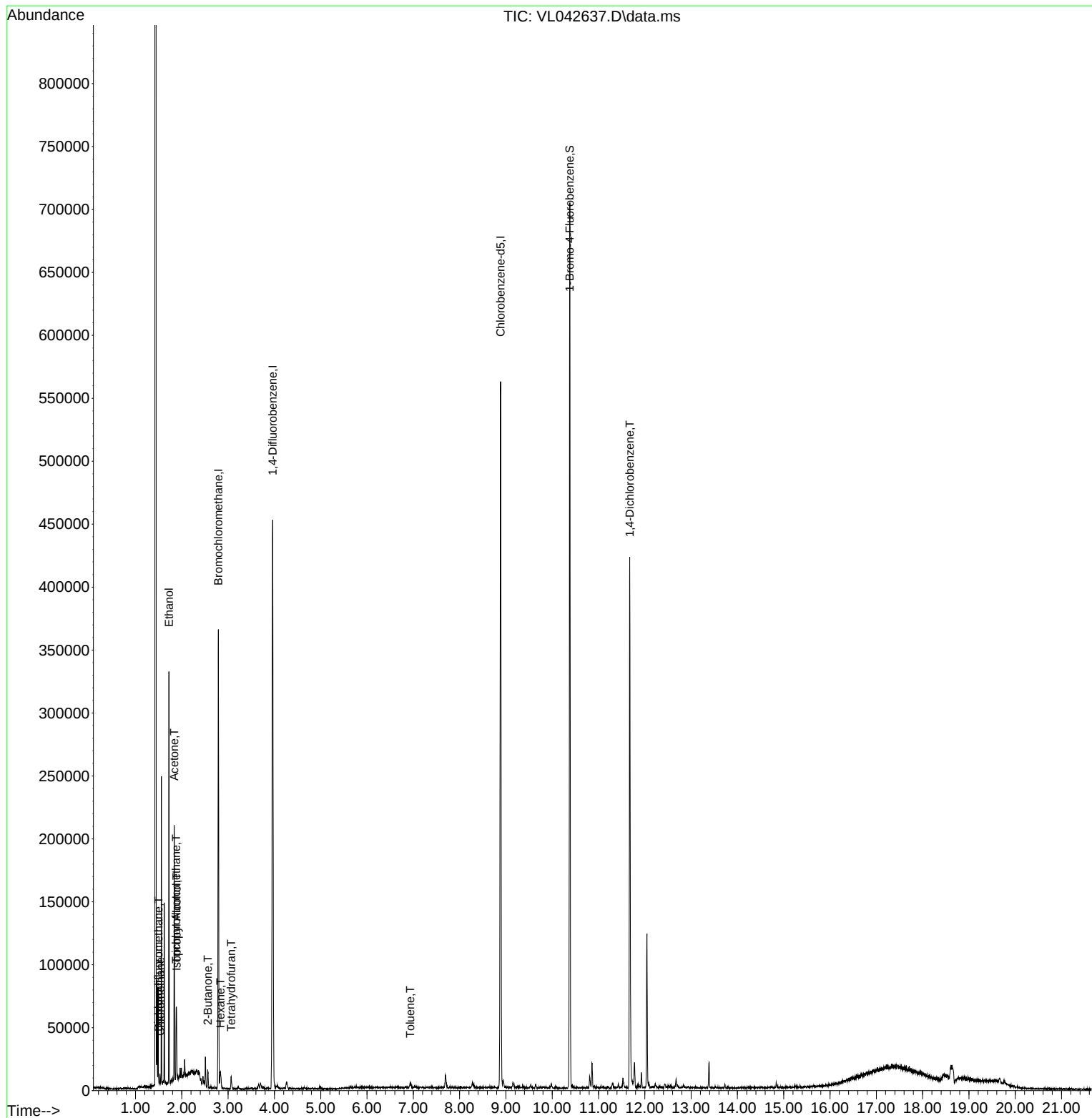
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL061625\
Data File : VL042637.D
Acq On : 16 Jun 2025 19:46
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Sample : Q2317-03DL 5X
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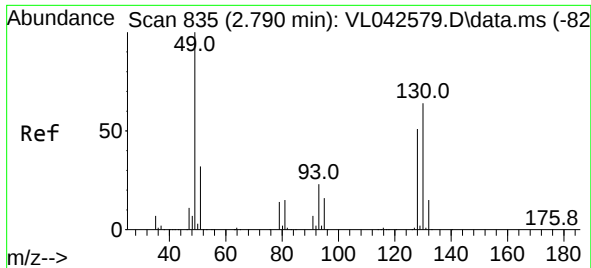
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Quant Time: Jun 17 03:10:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 30 02:01:56 2025
Response via : Initial Calibration

Manual Integrations
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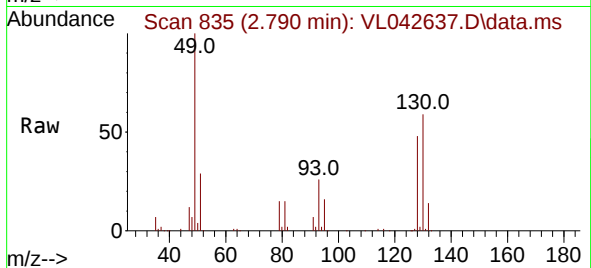
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

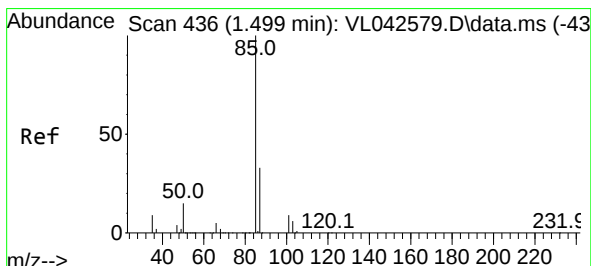
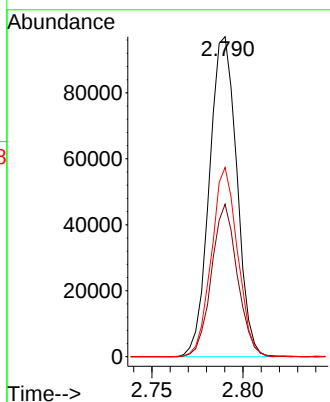
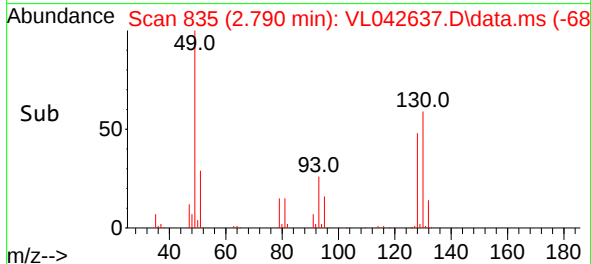
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL



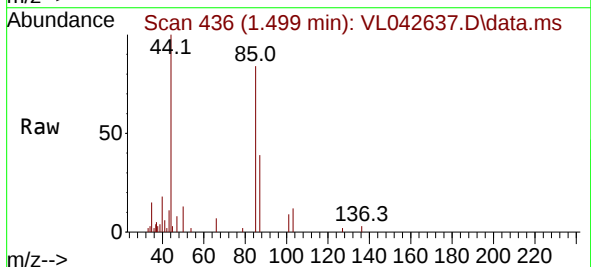
Tgt Ion: 49 Resp: 101539
Ion Ratio Lower Upper
49 100
128 45.0 24.2 72.6
130 56.6 30.4 91.2

Manual Integrations
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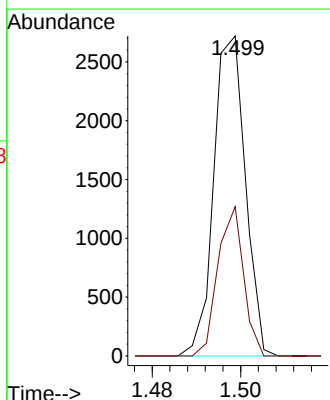
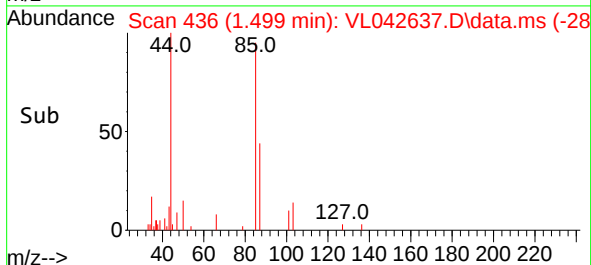
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

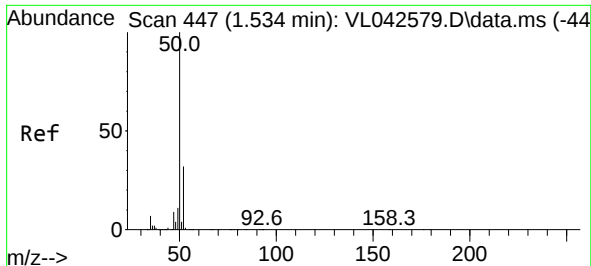


#2
Dichlorodifluoromethane
Concen: 0.108 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46



Tgt Ion: 85 Resp: 1351
Ion Ratio Lower Upper
85 100
87 46.6 26.6 39.8#





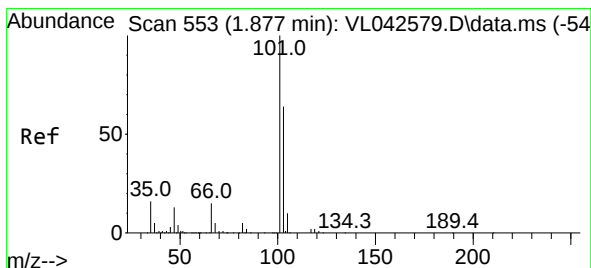
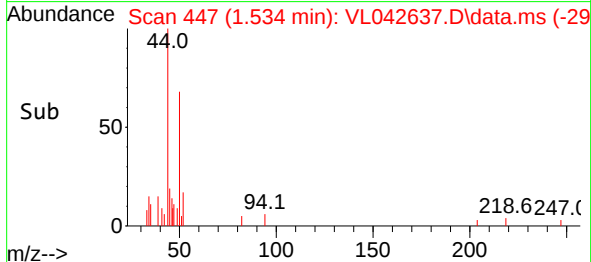
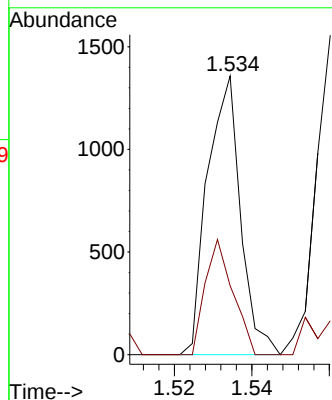
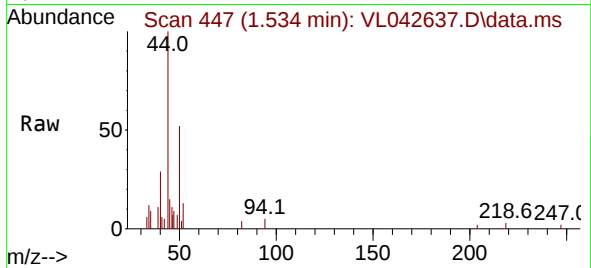
#4
Chloromethane
Concen: 0.162 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion: 50 Resp: 802
Ion Ratio Lower Upper
50 100
52 24.7 25.8 38.6

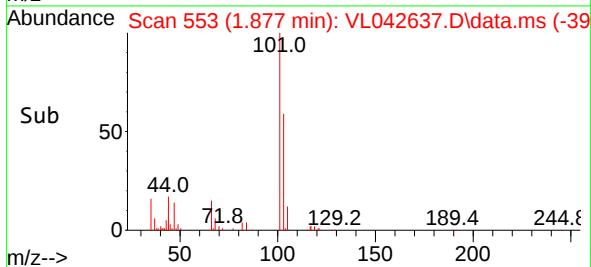
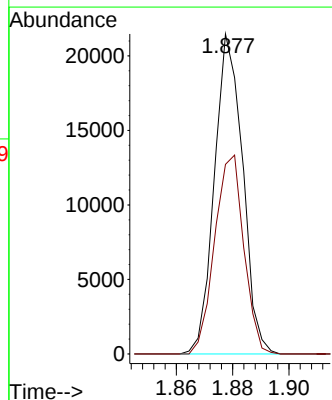
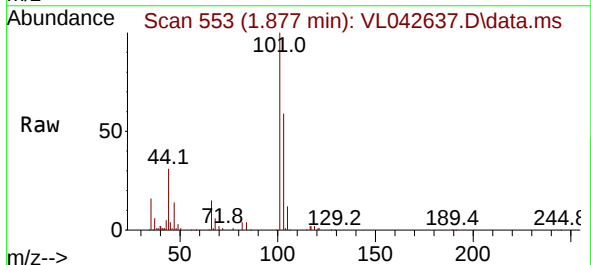
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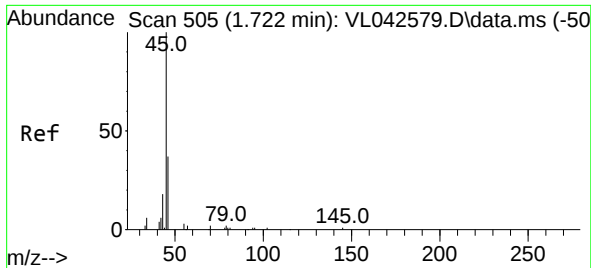
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#11
Trichlorofluoromethane
Concen: 1.287 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Tgt Ion:101 Resp: 14944
Ion Ratio Lower Upper
101 100
103 59.2 51.5 77.3





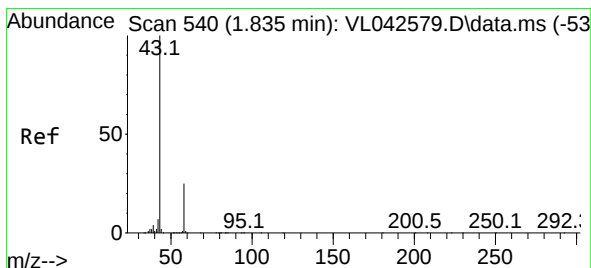
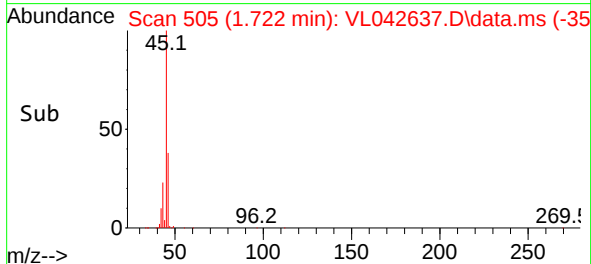
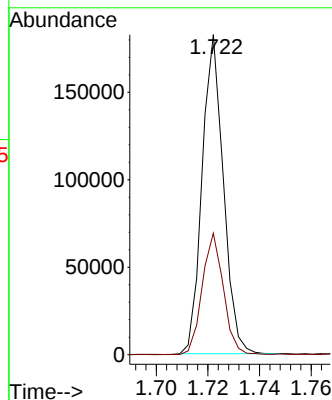
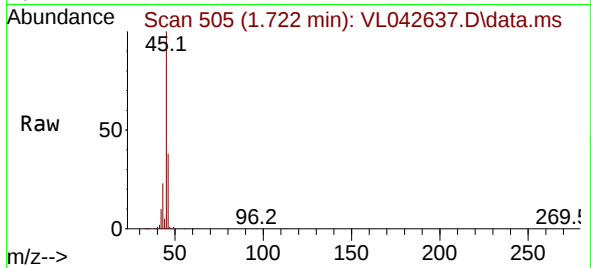
#13
Ethanol
Concen: 126.755 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL

Tgt Ion: 45 Resp: 10455
Ion Ratio Lower Upper
45 100
46 38.6 14.5 58.1

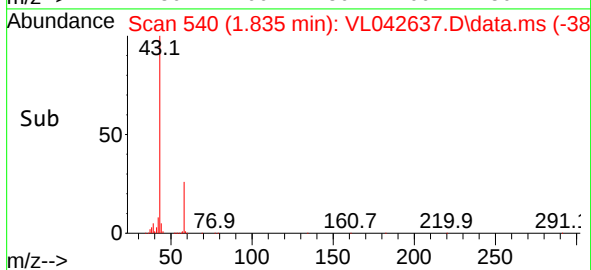
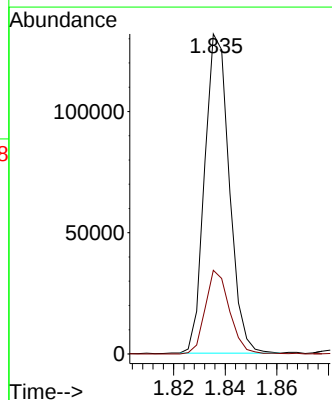
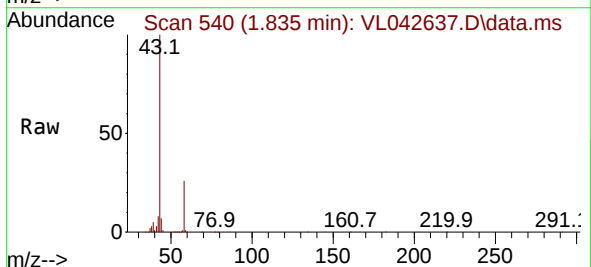
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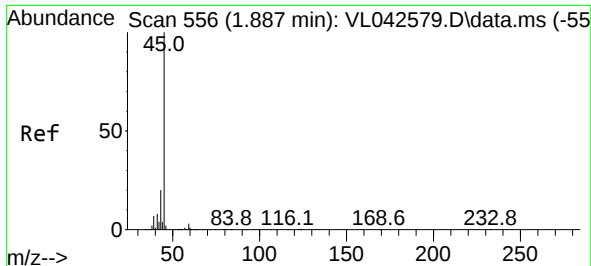
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#15
Acetone
Concen: 7.158 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

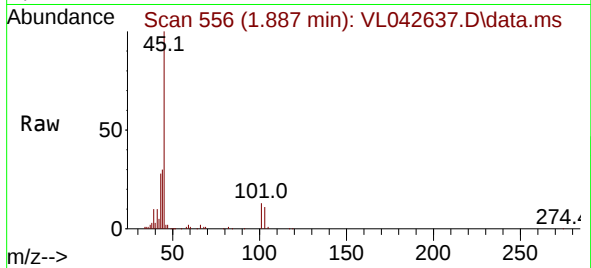
Tgt Ion: 43 Resp: 87546
Ion Ratio Lower Upper
43 100
58 25.9 21.0 31.4





#19
Isopropyl Alcohol
Concen: 2.231 ppbv
RT: 1.887 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

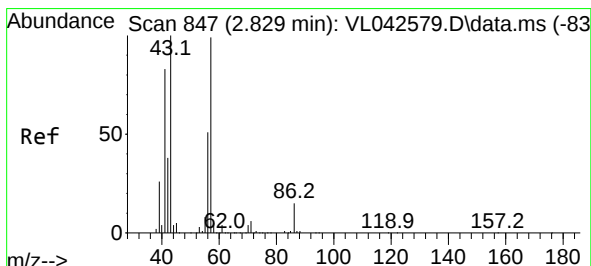
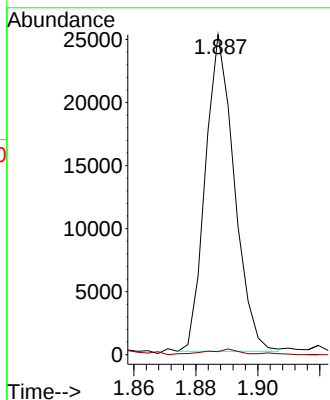
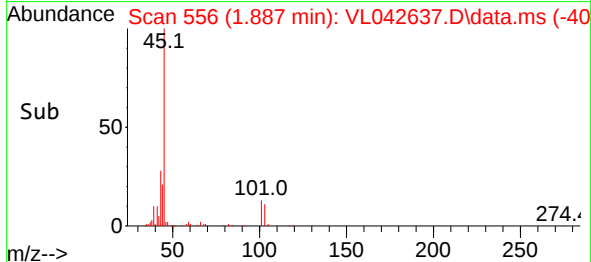
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL



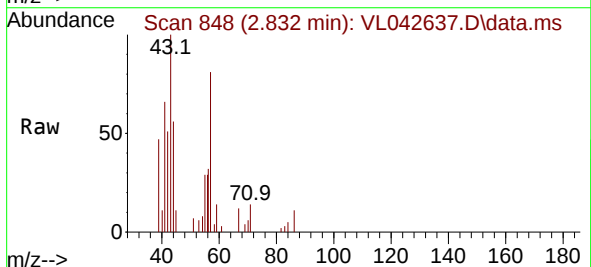
Tgt Ion: 45 Resp: 16309
Ion Ratio Lower Upper
45 100
58 138.8 29.4 44.2

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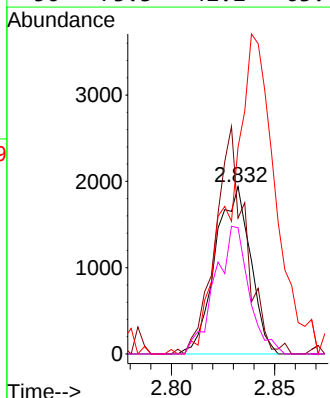
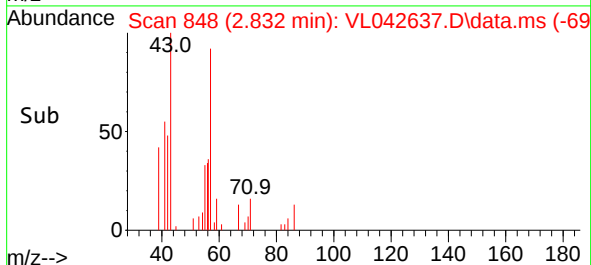
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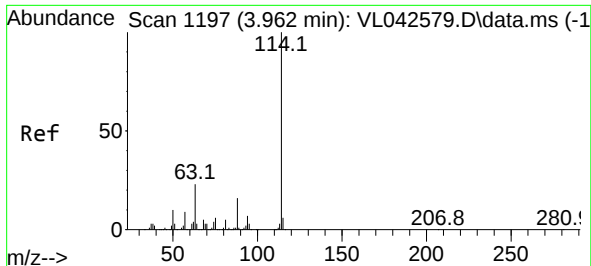


#26
Hexane
Concen: 0.151 ppbv
RT: 2.832 min Scan# 848
Delta R.T. 0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46



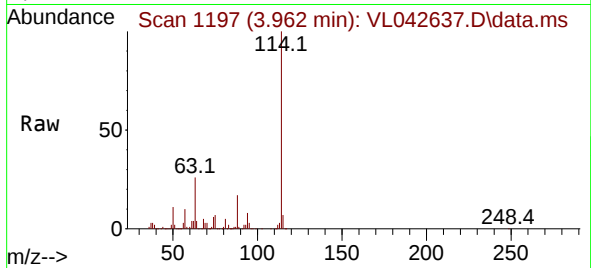
Tgt Ion: 57 Resp: 2298
Ion Ratio Lower Upper
57 100
41 118.4 70.6 106.0#
43 249.5 181.1 271.7
56 73.3 42.2 63.4#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

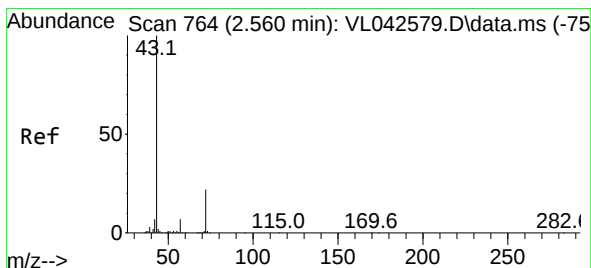
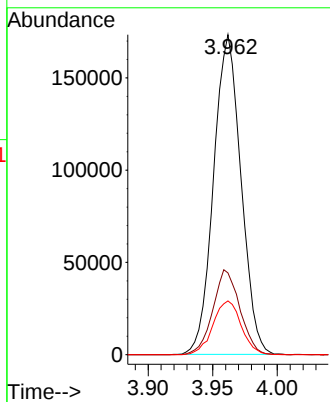
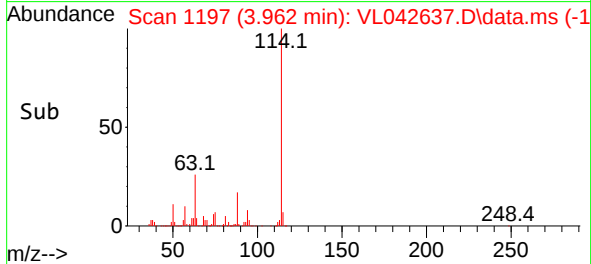
Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL



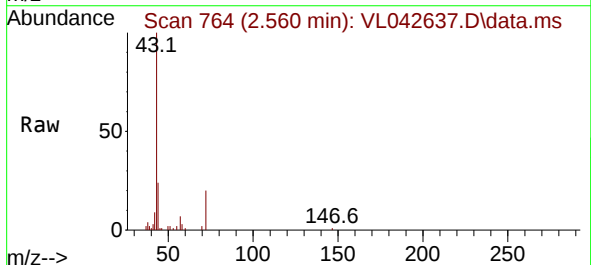
Tgt Ion:114 Resp: 25563
Ion Ratio Lower Upper
114 100
63 26.3 19.0 28.6
88 17.4 13.6 20.4

Manual Integrations
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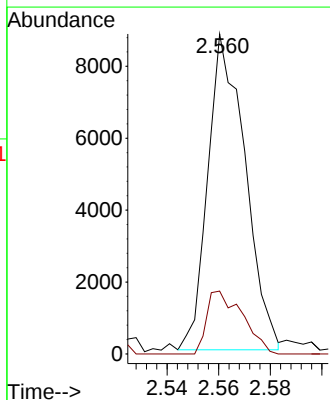
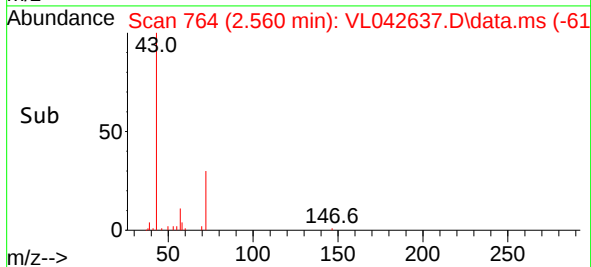
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

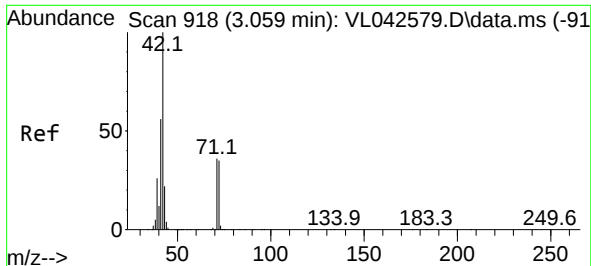


#34
2-Butanone
Concen: 0.483 ppbv
RT: 2.560 min Scan# 764
Delta R.T. -0.000 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46



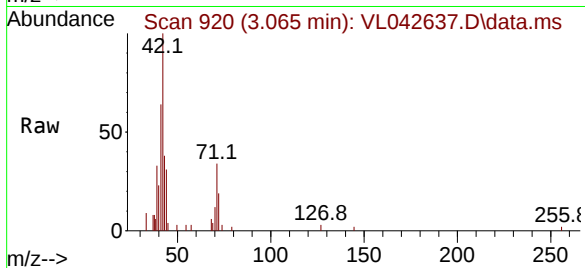
Tgt Ion: 43 Resp: 8807
Ion Ratio Lower Upper
43 100
72 19.2 17.7 26.5





#41
Tetrahydrofuran
Concen: 0.276 ppbv m
RT: 3.065 min Scan# 911
Delta R.T. 0.006 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

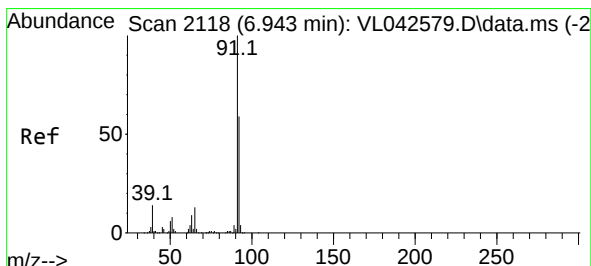
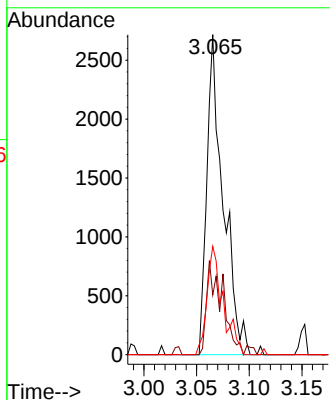
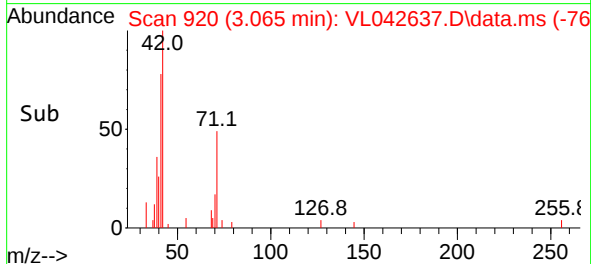
Instrument :
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115-IA-2DL



Tgt Ion: 42 Resp: 2948
Ion Ratio Lower Upper
42 100
72 29.7 28.9 43.3
71 32.7 28.5 42.7

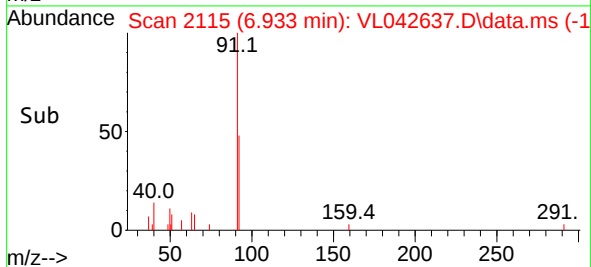
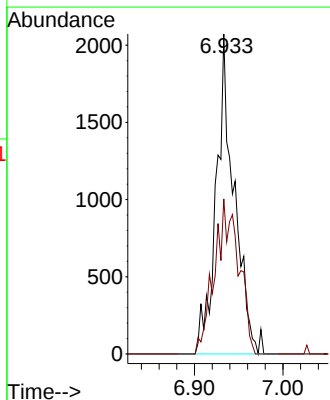
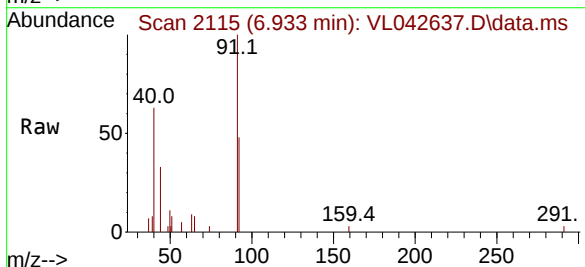
Manual Integrations
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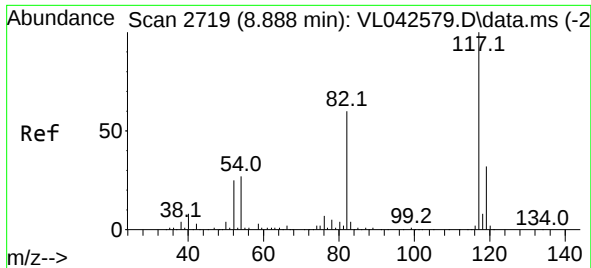
Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025



#53
Toluene
Concen: 0.100 ppbv m
RT: 6.933 min Scan# 2115
Delta R.T. -0.010 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

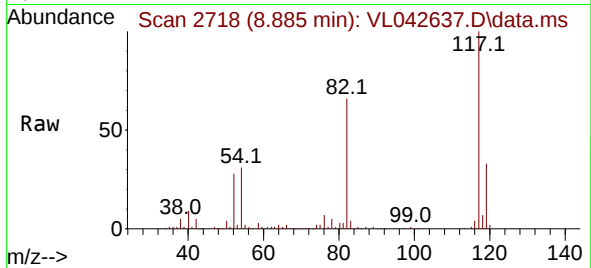
Tgt Ion: 91 Resp: 2916
Ion Ratio Lower Upper
91 100
92 65.5 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 211
Delta R.T. -0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

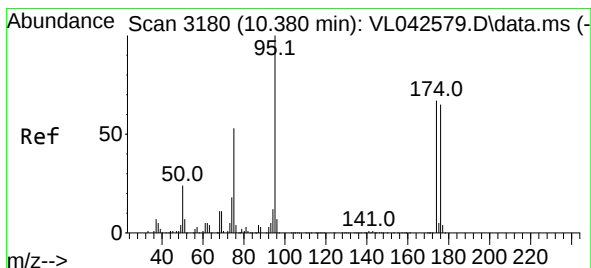
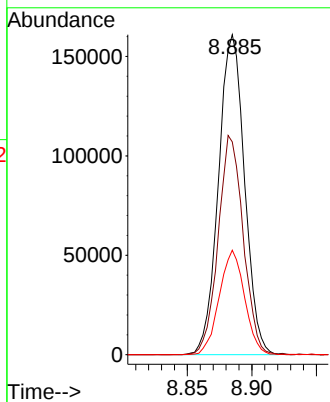
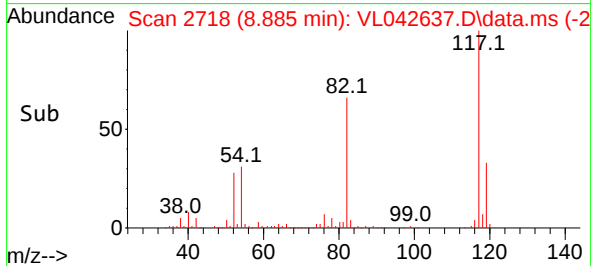
Instrument :
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115-IA-2DL



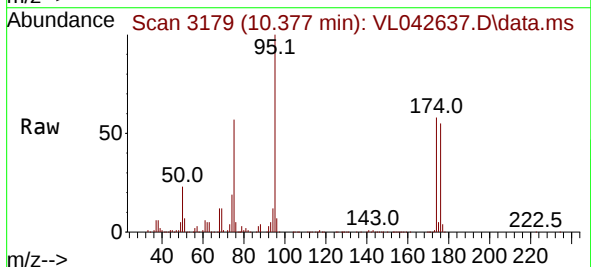
Tgt Ion:117 Resp: 225990
Ion Ratio Lower Upper
117 100
82 65.8 51.2 76.8
119 31.8 26.3 39.5

Manual Integrations
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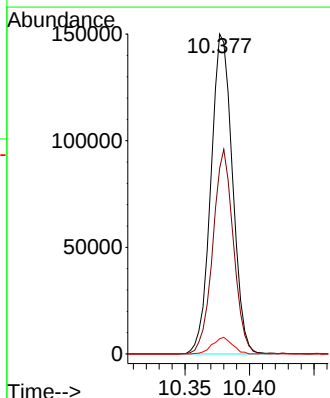
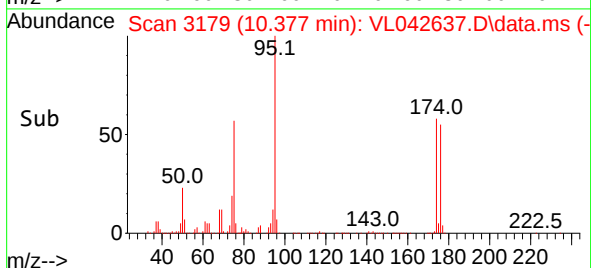
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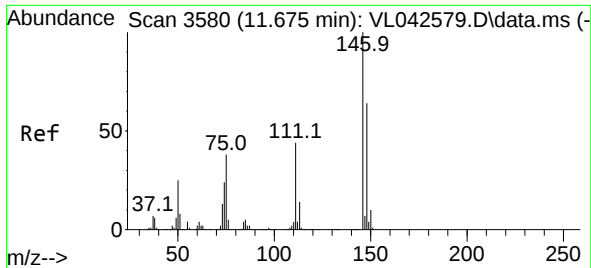


#68
1-Bromo-4-Fluorobenzene
Concen: 10.276 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. -0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46



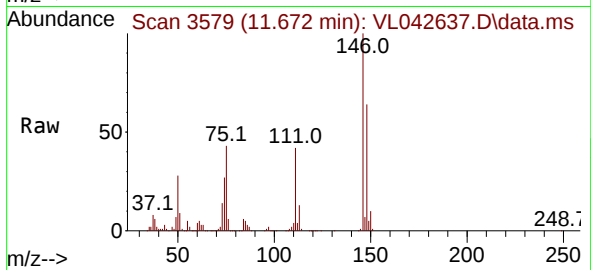
Tgt Ion: 95 Resp: 174084
Ion Ratio Lower Upper
95 100
174 61.3 53.1 79.7
175 4.9 4.2 6.2





#76
1,4-Dichlorobenzene
Concen: 4.309 ppbv
RT: 11.672 min Scan# 311
Delta R.T. -0.003 min
Lab File: VL042637.D
Acq: 16 Jun 2025 19:46

Instrument :
MSVOA_L
ClientSampleId :
115-IA-2DL



Tgt Ion:146 Resp: 92972
Ion Ratio Lower Upper
146 100
111 44.1 21.6 64.8
148 64.0 32.1 96.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/17/2025
Supervised By :Mahesh Dadoda 06/17/2025

