

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
 Data File : VL042764.D
 Acq On : 24 Jul 2025 14:28
 Operator : SY/MD
 Sample : Q2671-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 118-AAI

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2025
 Supervised By :Mahesh Dadoda 07/26/2025

Quant Time: Jul 25 01:27:16 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M

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

QLast Update : Thu Jul 24 05:24:41 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.790	49	153272	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	419258	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.885	117	371493	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	297462	10.111	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	9014	0.445	ppbv	99
3) Chlorodifluoromethane	1.476	51	5947m	0.225	ppbv	
4) Chloromethane	1.534	50	3742	0.456	ppbv	93
9) Propene	1.489	41	3163	0.330	ppbv	98
10) Heptane	4.985	43	3757m	0.145	ppbv	
11) Trichlorofluoromethane	1.881	101	4119m	0.197	ppbv	
13) Ethanol	1.725	45	16700	22.753	ppbv #	31
15) Acetone	1.839	43	104631	4.944	ppbv	98
19) Isopropyl Alcohol	1.890	45	7539m	0.670	ppbv	
26) Hexane	2.829	57	156916	7.636	ppbv #	41
34) 2-Butanone	2.567	43	10608	0.357	ppbv	100
35) Carbon Tetrachloride	3.768	117	1957m	0.063	ppbv	
36) Benzene	3.654	78	4639m	0.117	ppbv	
53) Toluene	6.943	91	9496m	0.223	ppbv	
59) m/p-Xylene	9.535	91	6809m	0.145	ppbv	
74) 1,2,4-Trimethylbenzene	11.536	105	8207	0.163	ppbv #	56

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

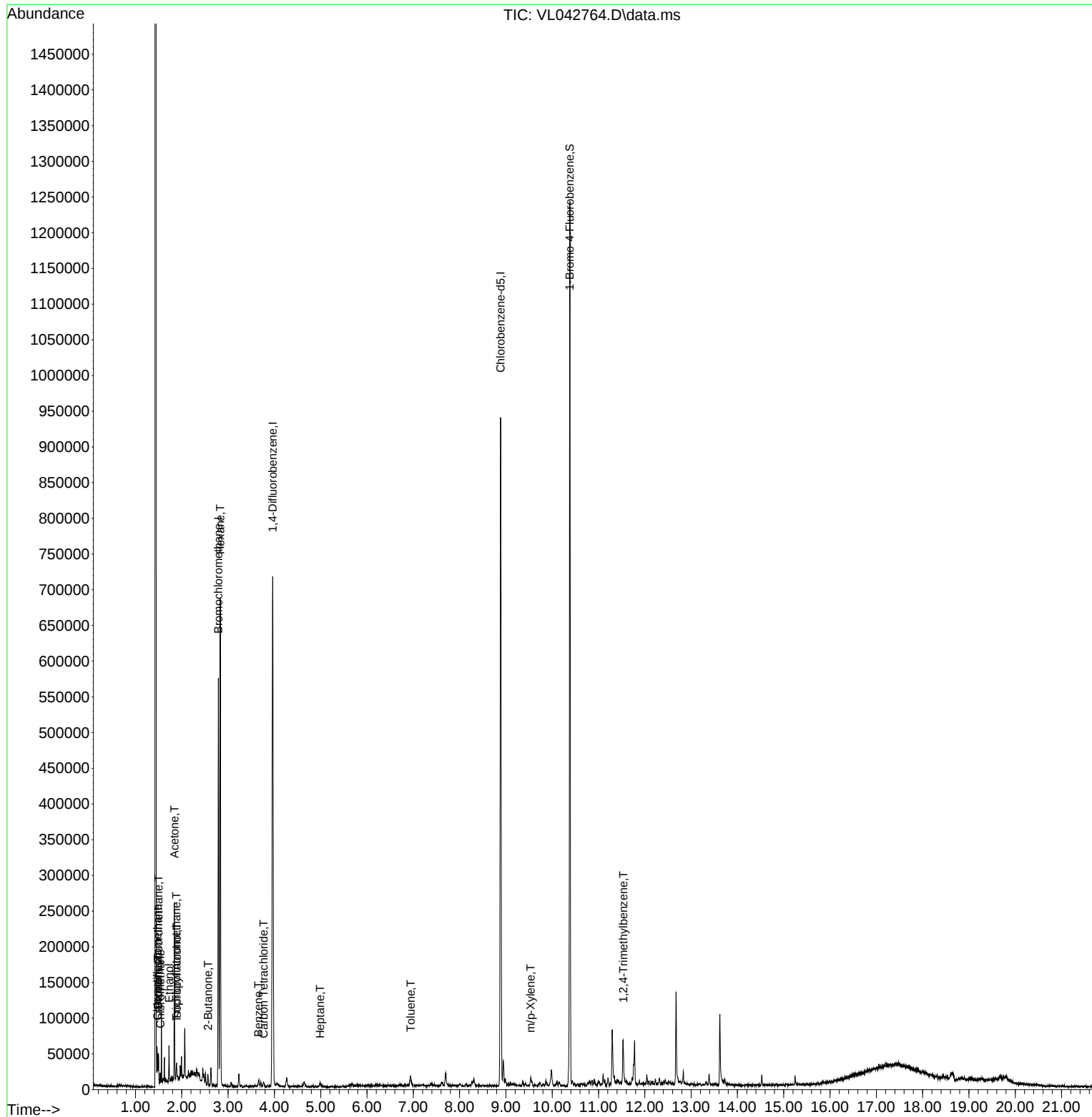
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072425\
Data File : VL042764.D
Acq On : 24 Jul 2025 14:28
Operator : SY/MD
Sample : Q2671-01
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

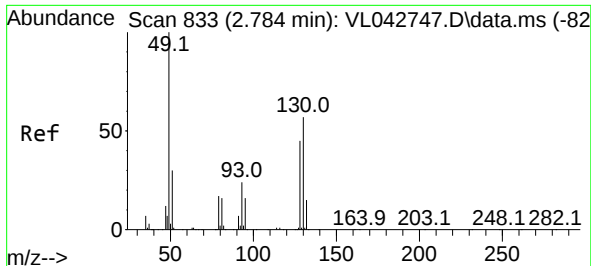
Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Quant Time: Jul 25 01:27:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Jul 24 05:24:41 2025
Response via : Initial Calibration

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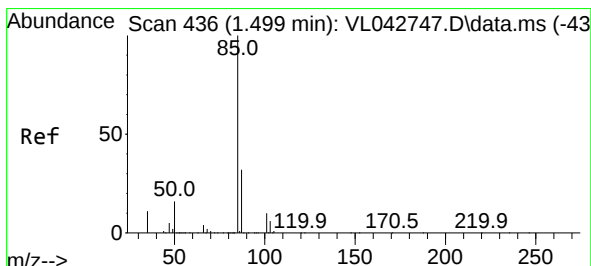
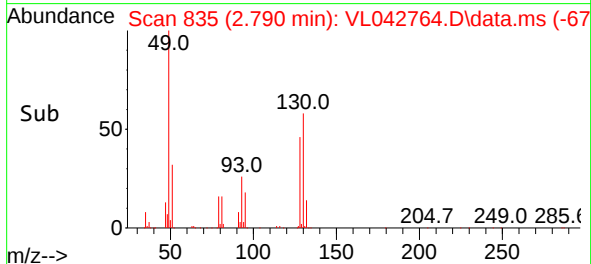
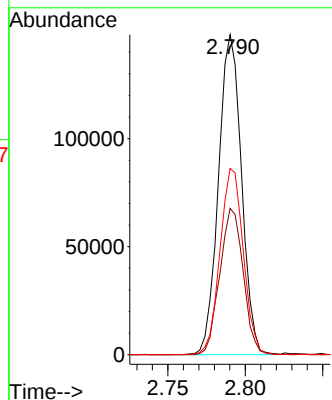
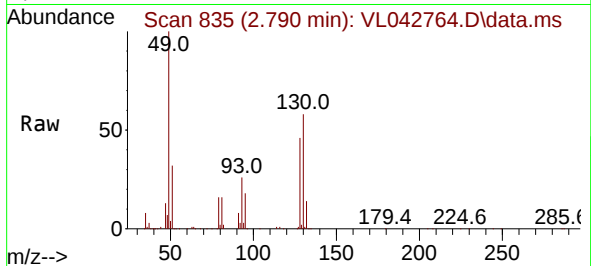
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 835
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 49 Resp: 153272
Ion Ratio Lower Upper
49 100
128 46.4 23.6 71.0
130 58.9 30.3 90.8

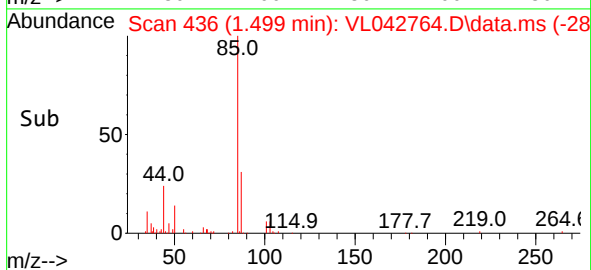
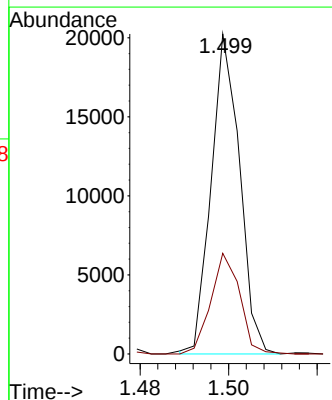
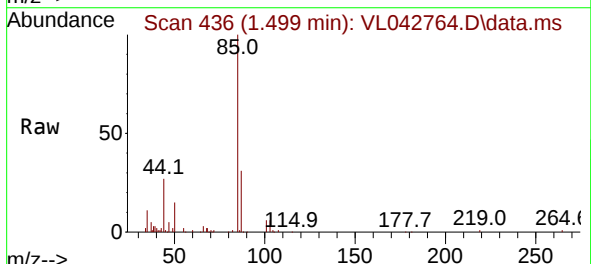
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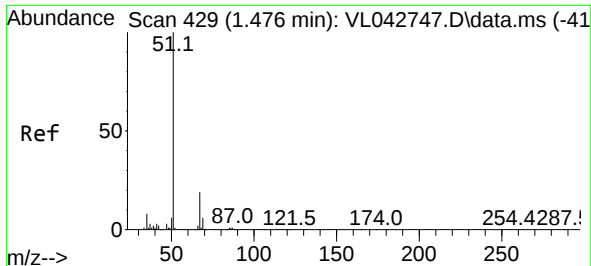
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025



#2
Dichlorodifluoromethane
Concen: 0.445 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 85 Resp: 9014
Ion Ratio Lower Upper
85 100
87 31.4 25.4 38.2





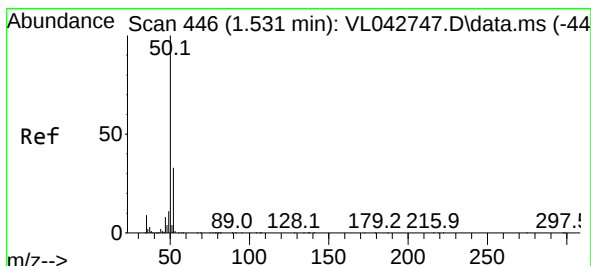
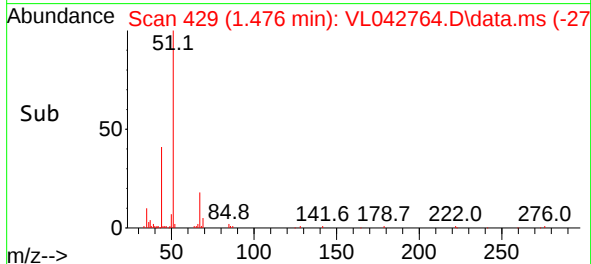
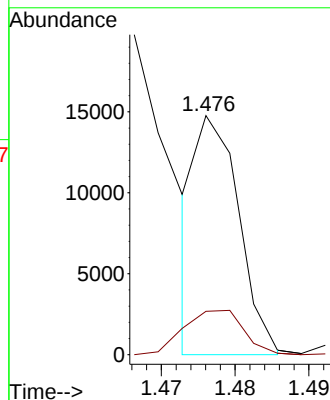
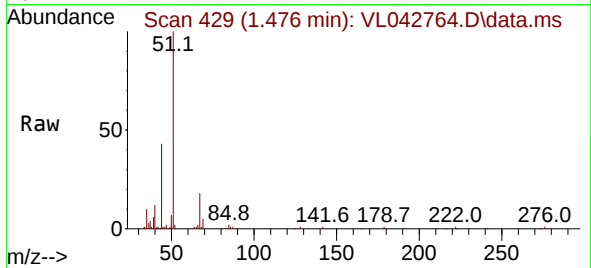
#3
Chlorodifluoromethane
Concen: 0.225 ppbv m
RT: 1.476 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 51 Resp: 594
Ion Ratio Lower Upper
51 100
67 26.9 15.0 22.6

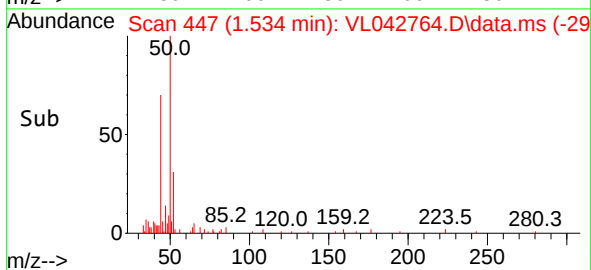
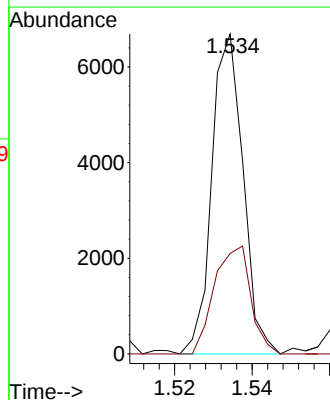
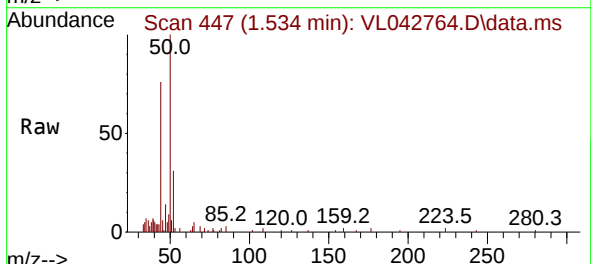
Manual Integrations
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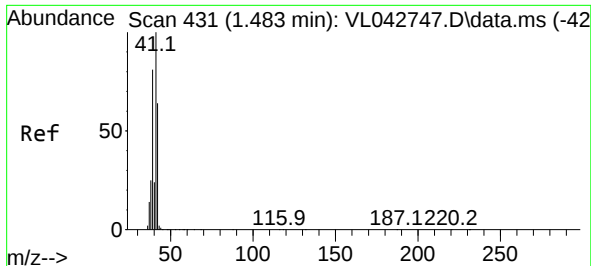
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025



#4
Chloromethane
Concen: 0.456 ppbv
RT: 1.534 min Scan# 447
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion: 50 Resp: 3742
Ion Ratio Lower Upper
50 100
52 29.5 26.6 40.0





#9

Propene

Concen: 0.330 ppbv

RT: 1.489 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL042764.D

Acq: 24 Jul 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

118-AAI

Tgt Ion: 41 Resp: 316

Ion Ratio Lower Upper

41 100

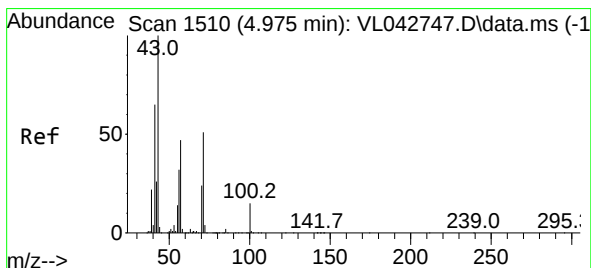
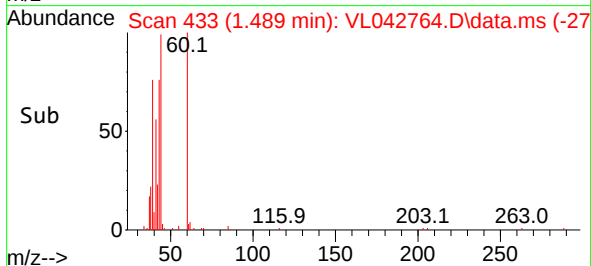
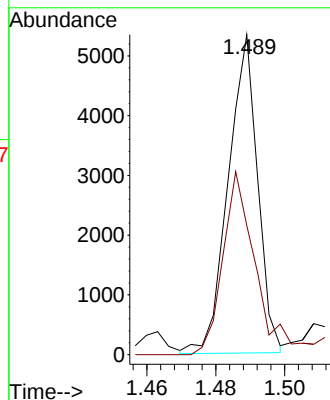
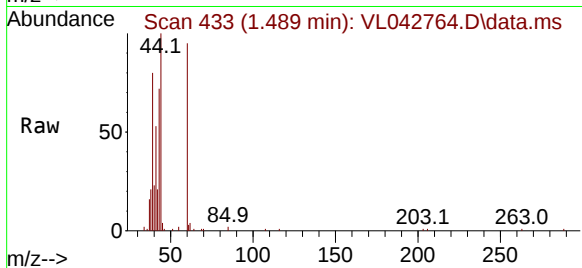
42 68.0 53.2 79.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2025

Supervised By :Mahesh Dadoda 07/26/2025



#10

Heptane

Concen: 0.145 ppbv m

RT: 4.985 min Scan# 1513

Delta R.T. 0.010 min

Lab File: VL042764.D

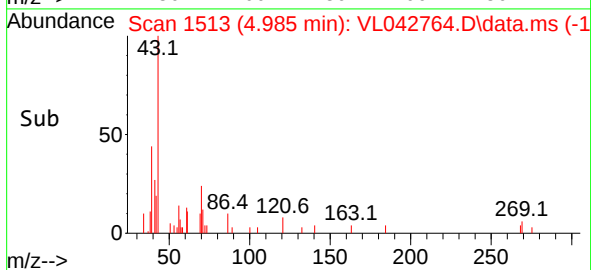
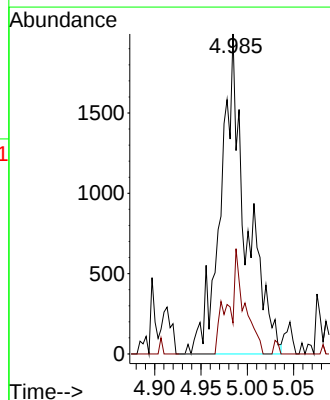
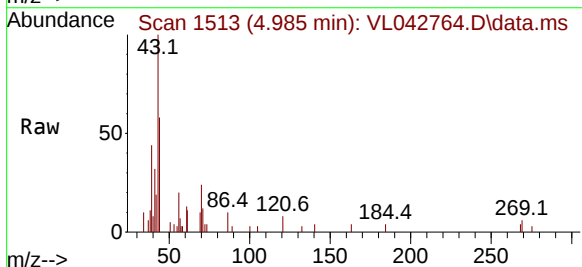
Acq: 24 Jul 2025 14:28

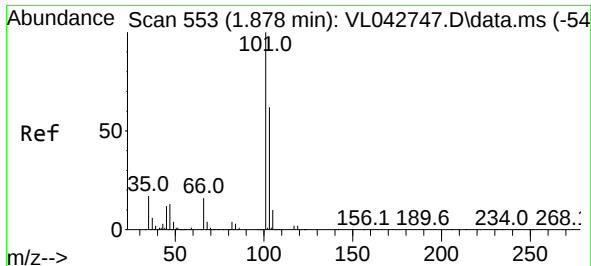
Tgt Ion: 43 Resp: 3757

Ion Ratio Lower Upper

43 100

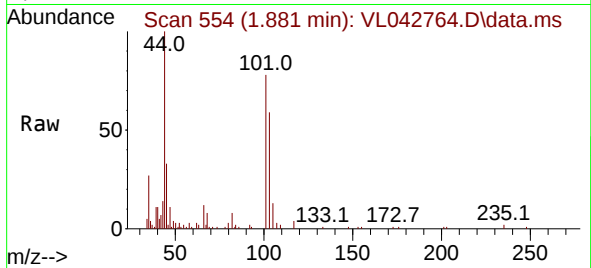
57 21.8 39.9 59.9#





#11
Trichlorofluoromethane
Concen: 0.197 ppbv m
RT: 1.881 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

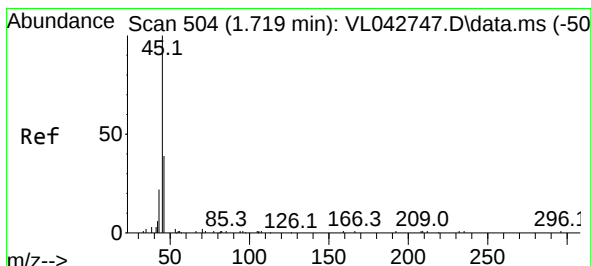
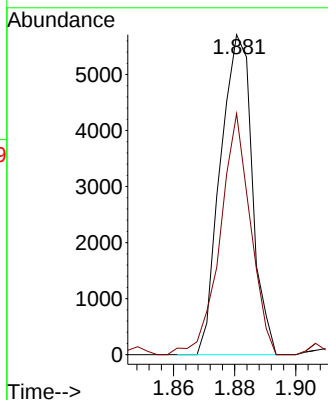
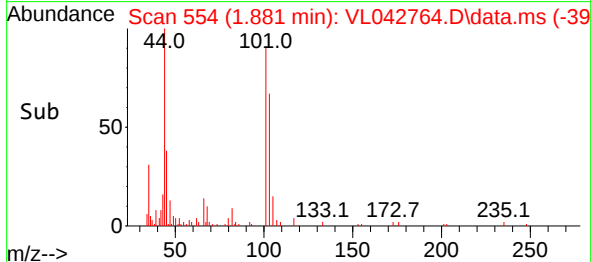
Instrument :
MSVOA_L
ClientSampleId :
118-AAI



Tgt Ion:101 Resp: 4119
Ion Ratio Lower Upper
101 100
103 75.3 49.6 74.4

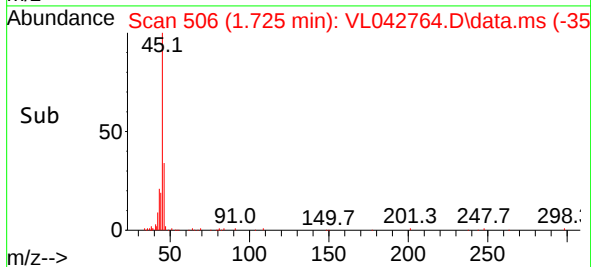
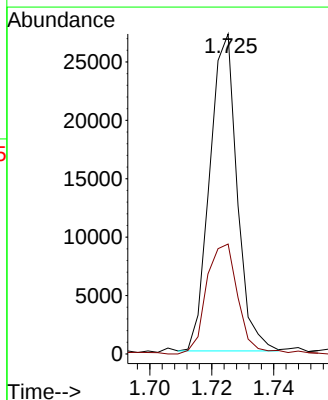
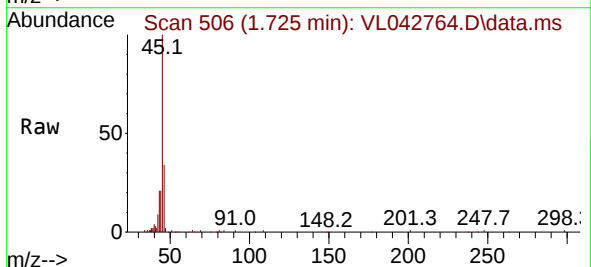
Manual Integrations
APPROVED

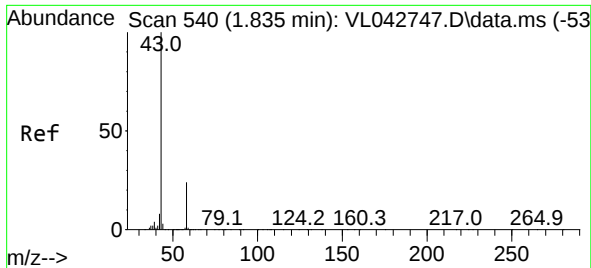
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025



#13
Ethanol
Concen: 22.753 ppbv
RT: 1.725 min Scan# 506
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

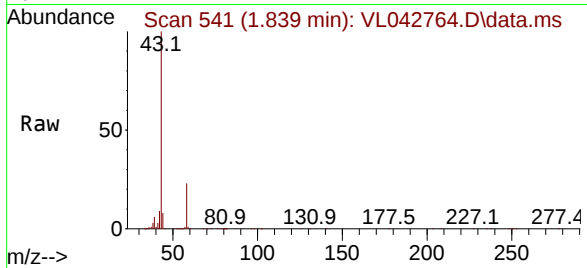
Tgt Ion: 45 Resp: 16700
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4





#15
Acetone
Concen: 4.944 ppbv
RT: 1.839 min Scan# 541
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

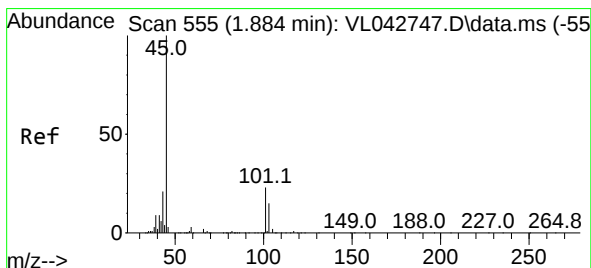
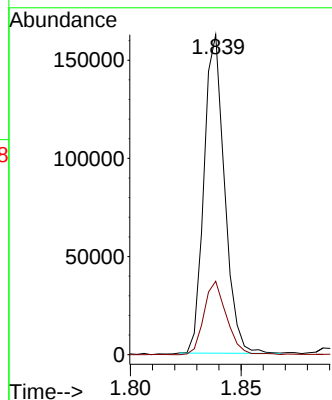
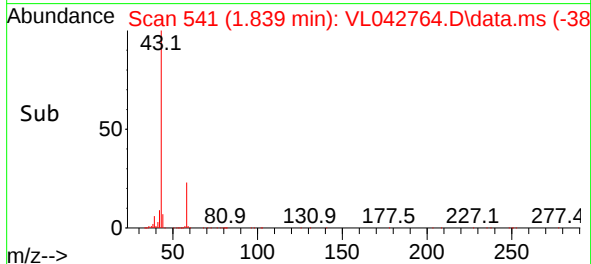
Instrument :
MSVOA_L
ClientSampleId :
118-AAI



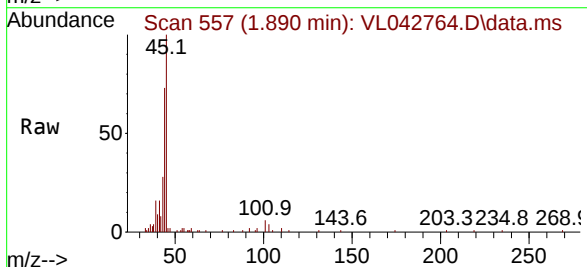
Tgt Ion: 43 Resp: 10463
Ion Ratio Lower Upper
43 100
58 25.9 19.8 29.8

Manual Integrations
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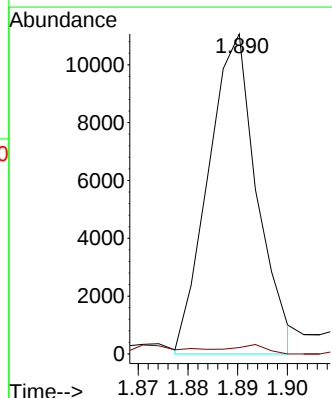
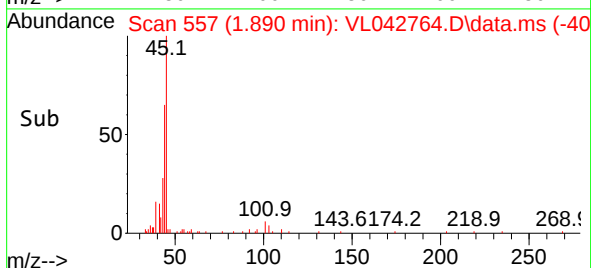
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Supervised By :Mahesh Dadoda 07/26/2025

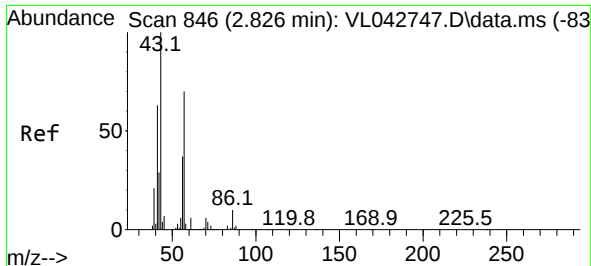


#19
Isopropyl Alcohol
Concen: 0.670 ppbv m
RT: 1.890 min Scan# 557
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28



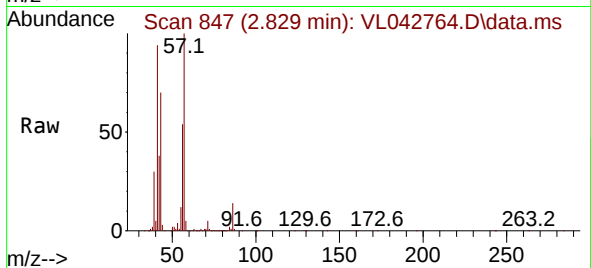
Tgt Ion: 45 Resp: 7539
Ion Ratio Lower Upper
45 100
58 0.0 30.0 45.0#





#26
Hexane
Concen: 7.636 ppbv
RT: 2.829 min Scan# 846
Delta R.T. 0.003 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

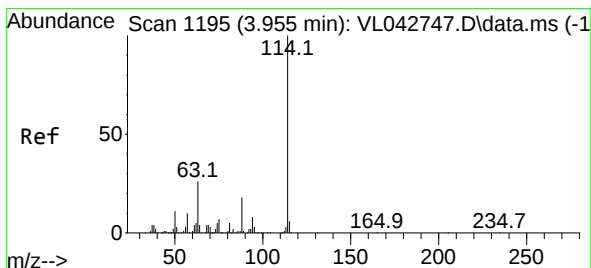
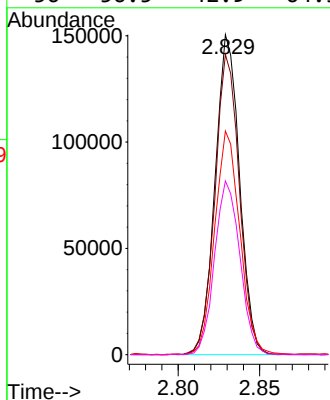
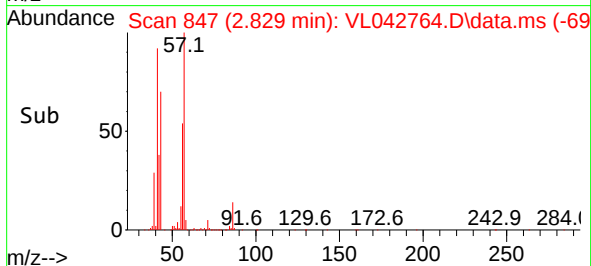
Instrument :
MSVOA_L
ClientSampleId :
118-AAI



Tgt Ion: 57 Resp: 156910
Ion Ratio Lower Upper
57 100
41 94.8 75.4 113.2
43 72.7 185.0 277.6
56 56.5 42.9 64.3

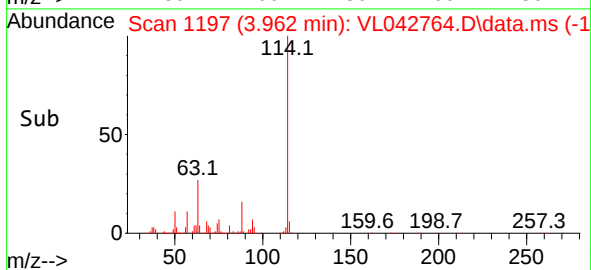
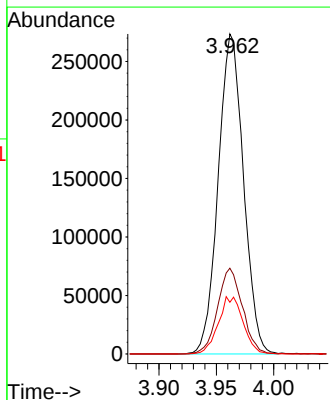
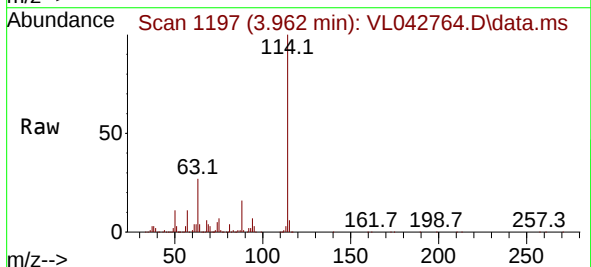
Manual Integrations
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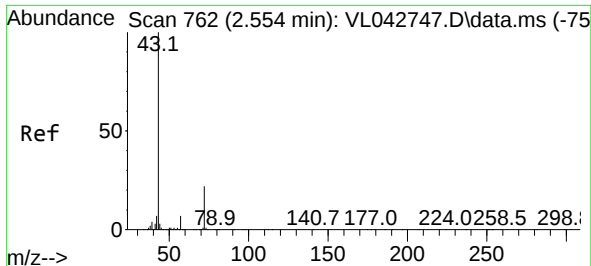
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.962 min Scan# 1197
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:114 Resp: 419258
Ion Ratio Lower Upper
114 100
63 26.3 20.5 30.7
88 17.6 14.0 21.0





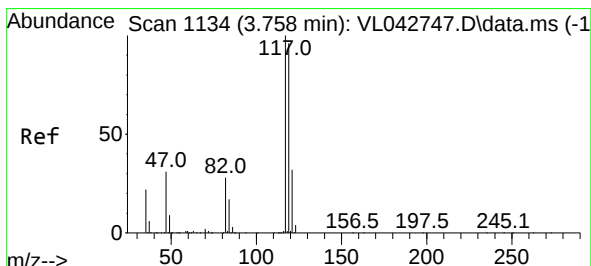
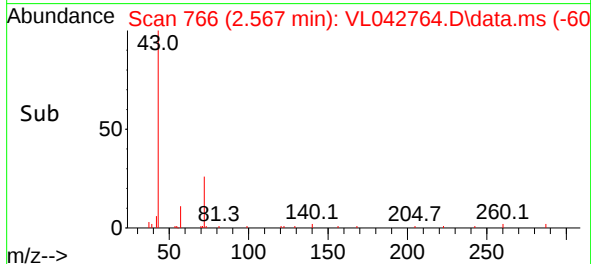
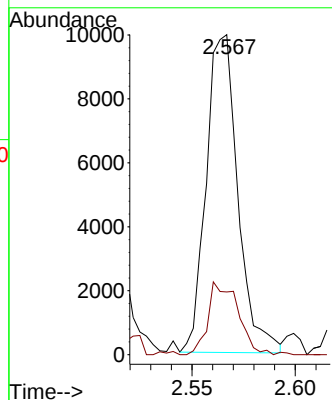
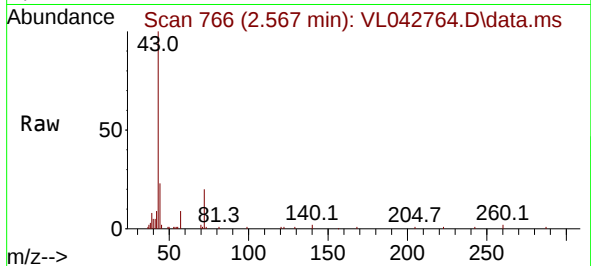
#34
2-Butanone
Concen: 0.357 ppbv
RT: 2.567 min Scan# 70
Delta R.T. 0.013 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Instrument :
MSVOA_L
ClientSampleId :
118-AAI

Tgt Ion: 43 Resp: 10608
Ion Ratio Lower Upper
43 100
72 21.8 17.4 26.0

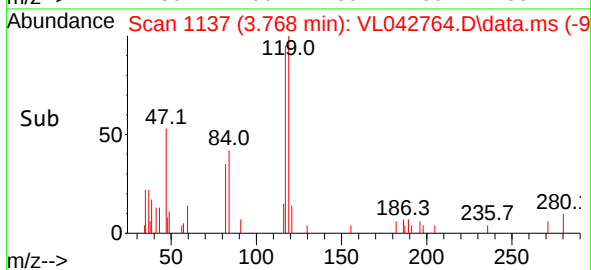
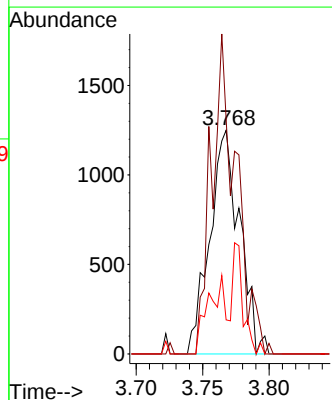
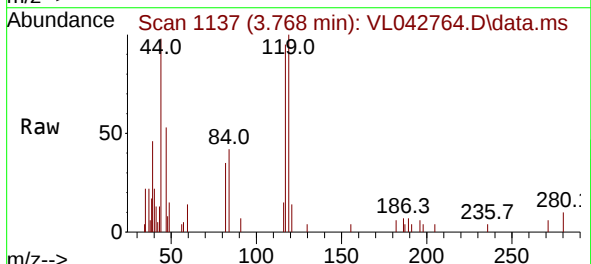
Manual Integrations
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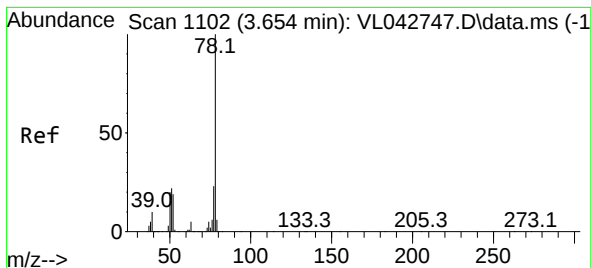
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025



#35
Carbon Tetrachloride
Concen: 0.063 ppbv m
RT: 3.768 min Scan# 1137
Delta R.T. 0.010 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:117 Resp: 1957
Ion Ratio Lower Upper
117 100
119 105.0 77.1 115.7
121 15.2 25.5 38.3#





#36

Benzene

Concen: 0.117 ppbv m

RT: 3.654 min Scan# 1102

Delta R.T. -0.000 min

Lab File: VL042764.D

Acq: 24 Jul 2025 14:28

Instrument :

MSVOA_L

ClientSampleId :

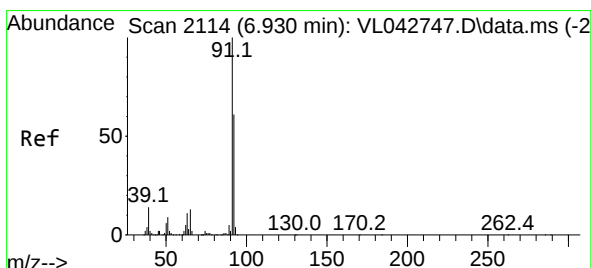
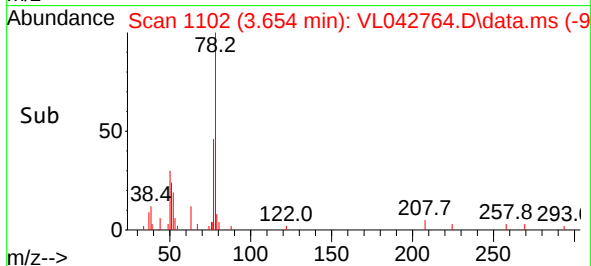
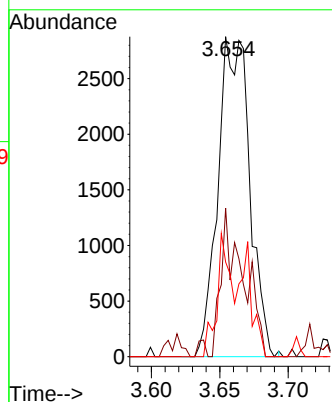
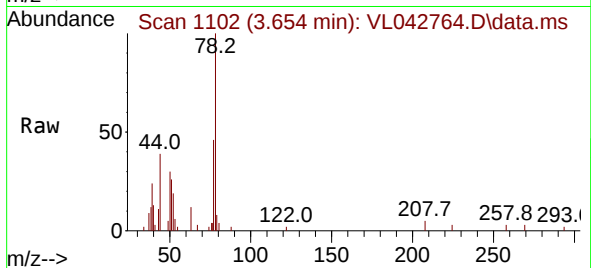
118-AAI

Tgt Ion: 78 Resp: 4639
 Ion Ratio Lower Upper
 78 100
 77 46.4 18.5 27.7
 50 29.5 16.2 24.2

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/26/2025
 Supervised By :Mahesh Dadoda 07/26/2025



#53

Toluene

Concen: 0.223 ppbv m

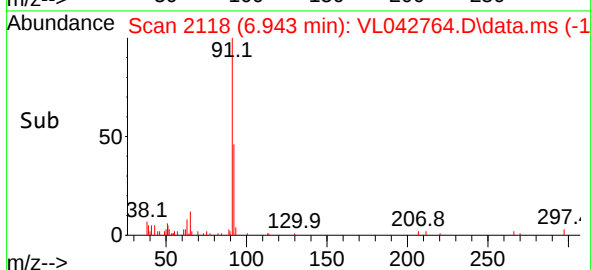
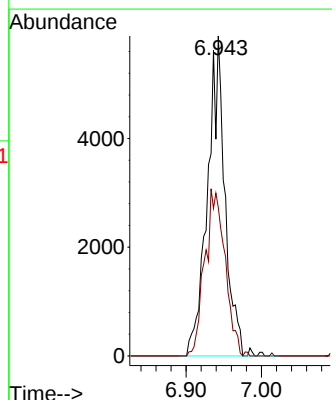
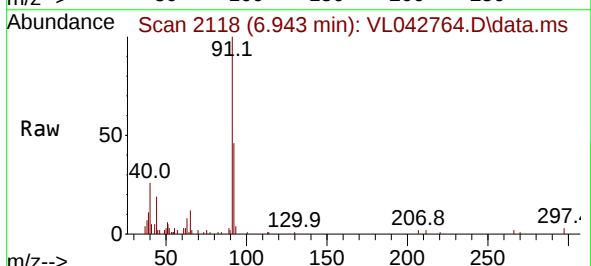
RT: 6.943 min Scan# 2118

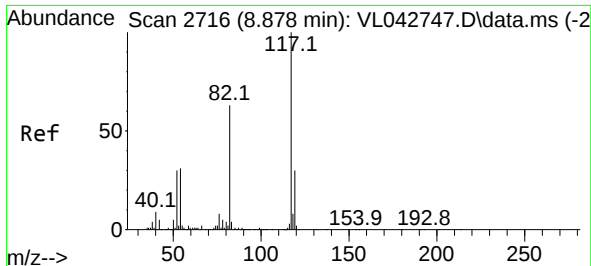
Delta R.T. 0.013 min

Lab File: VL042764.D

Acq: 24 Jul 2025 14:28

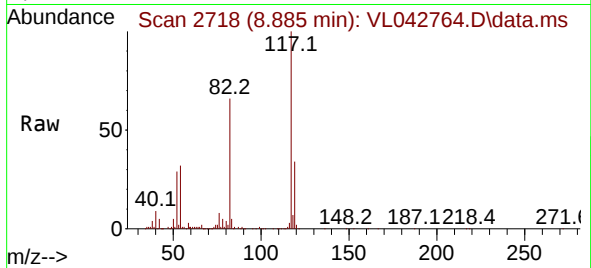
Tgt Ion: 91 Resp: 9496
 Ion Ratio Lower Upper
 91 100
 92 0.0 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.885 min Scan# 2118
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

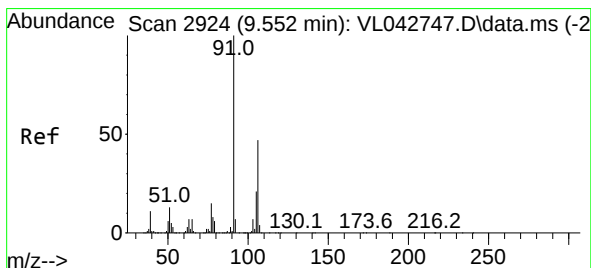
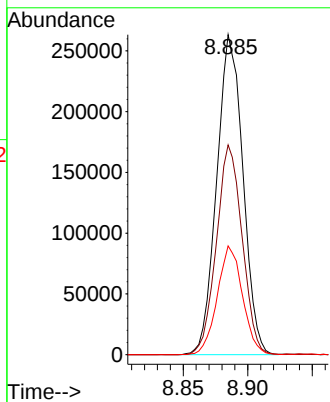
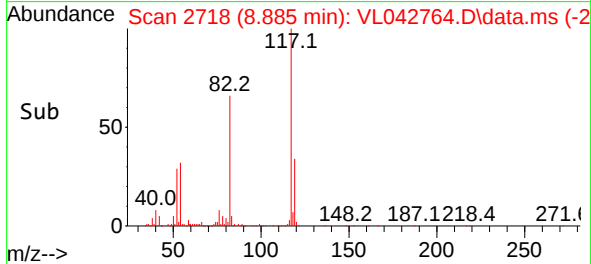
Instrument :
MSVOA_L
ClientSampleId :
118-AAI



Tgt Ion: 117 Resp: 37149
Ion Ratio Lower Upper
117 100
82 64.5 53.3 79.9
119 33.0 25.8 38.6

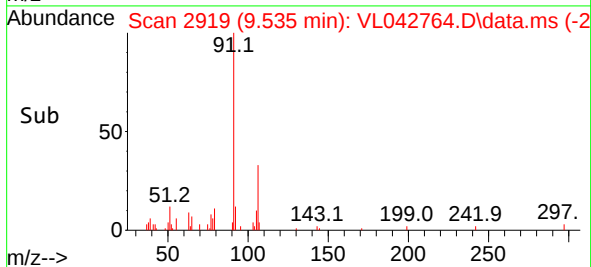
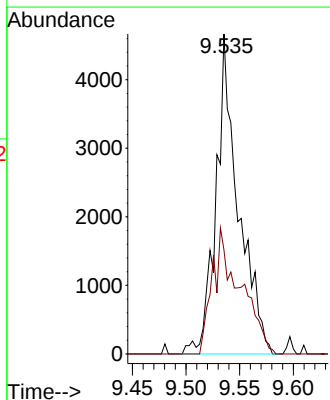
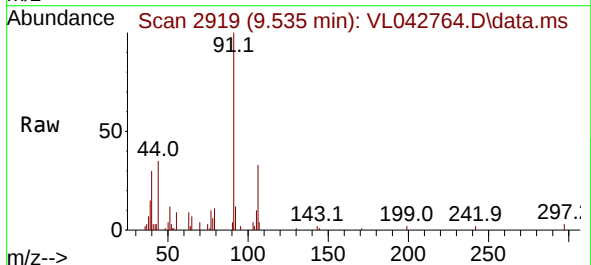
Manual Integrations
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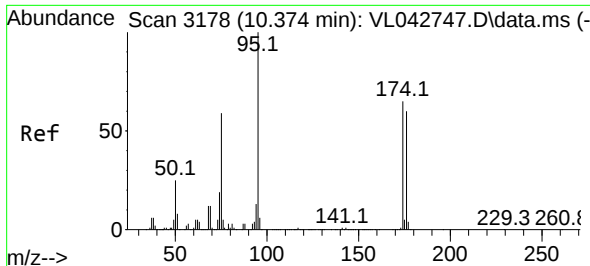
Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025



#59
m/p-Xylene
Concen: 0.145 ppbv m
RT: 9.535 min Scan# 2919
Delta R.T. -0.016 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

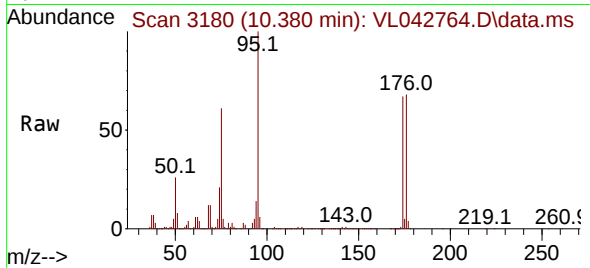
Tgt Ion: 91 Resp: 6809
Ion Ratio Lower Upper
91 100
106 48.9 37.4 56.2





#68
1-Bromo-4-Fluorobenzene
Concen: 10.111 ppbv
RT: 10.380 min Scan# 3178
Delta R.T. 0.006 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

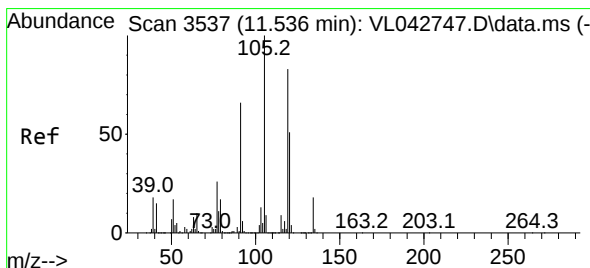
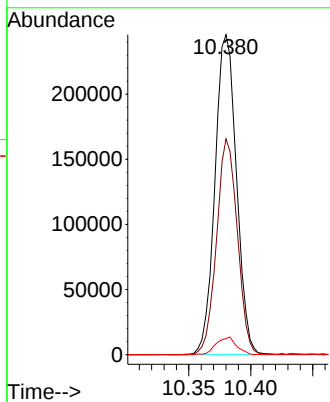
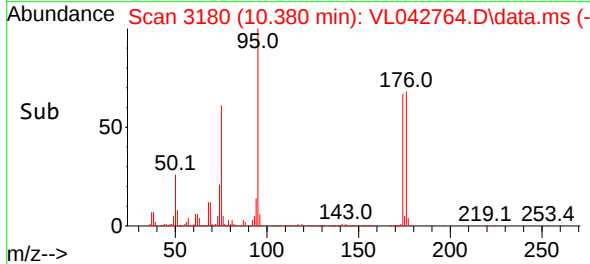
Instrument :
MSVOA_L
ClientSampleId :
118-AAI



Tgt Ion: 95 Resp: 297462
Ion Ratio Lower Upper
95 100
174 65.4 53.8 80.6
175 5.2 4.0 6.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/26/2025
Supervised By :Mahesh Dadoda 07/26/2025



#74
1,2,4-Trimethylbenzene
Concen: 0.163 ppbv
RT: 11.536 min Scan# 3537
Delta R.T. -0.000 min
Lab File: VL042764.D
Acq: 24 Jul 2025 14:28

Tgt Ion:105 Resp: 8207
Ion Ratio Lower Upper
105 100
120 30.6 40.8 61.2#
91 12.8 53.0 79.4#
77 18.3 20.5 30.7#

