

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
 Data File : VL042967.D
 Acq On : 22 Sep 2025 20:59
 Operator : SY/MD
 Sample : Q3112-03DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 09/23/2025
 Supervised By : Mahesh Dadoda 09/24/2025

Quant Time: Sep 23 02:56:02 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M

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

QLast Update : Tue Sep 23 02:39:16 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	156410	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	3.968	114	471354	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.888	117	414212	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.383	95	303786	9.825	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
3) Chlorodifluoromethane	1.476	51	3752	0.143	ppbv #	85
9) Propene	1.483	41	51888	4.549	ppbv	89
10) Heptane	4.985	43	4378m	0.144	ppbv	
13) Ethanol	1.729	45	1245m	1.125	ppbv	
15) Acetone	1.842	43	62670	3.076	ppbv	99
19) Isopropyl Alcohol	1.894	45	5587m	0.456	ppbv	
26) Hexane	2.836	57	6030	0.257	ppbv #	42
34) 2-Butanone	2.567	43	16539	0.501	ppbv	99
36) Benzene	3.664	78	6691	0.151	ppbv #	88
52) Tetrachloroethene	8.228	164	803m	0.047	ppbv	
53) Toluene	6.946	91	9375m	0.179	ppbv	
80) Naphthalene,2-methyl-	14.465	142	1830	0.111	ppbv #	90

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

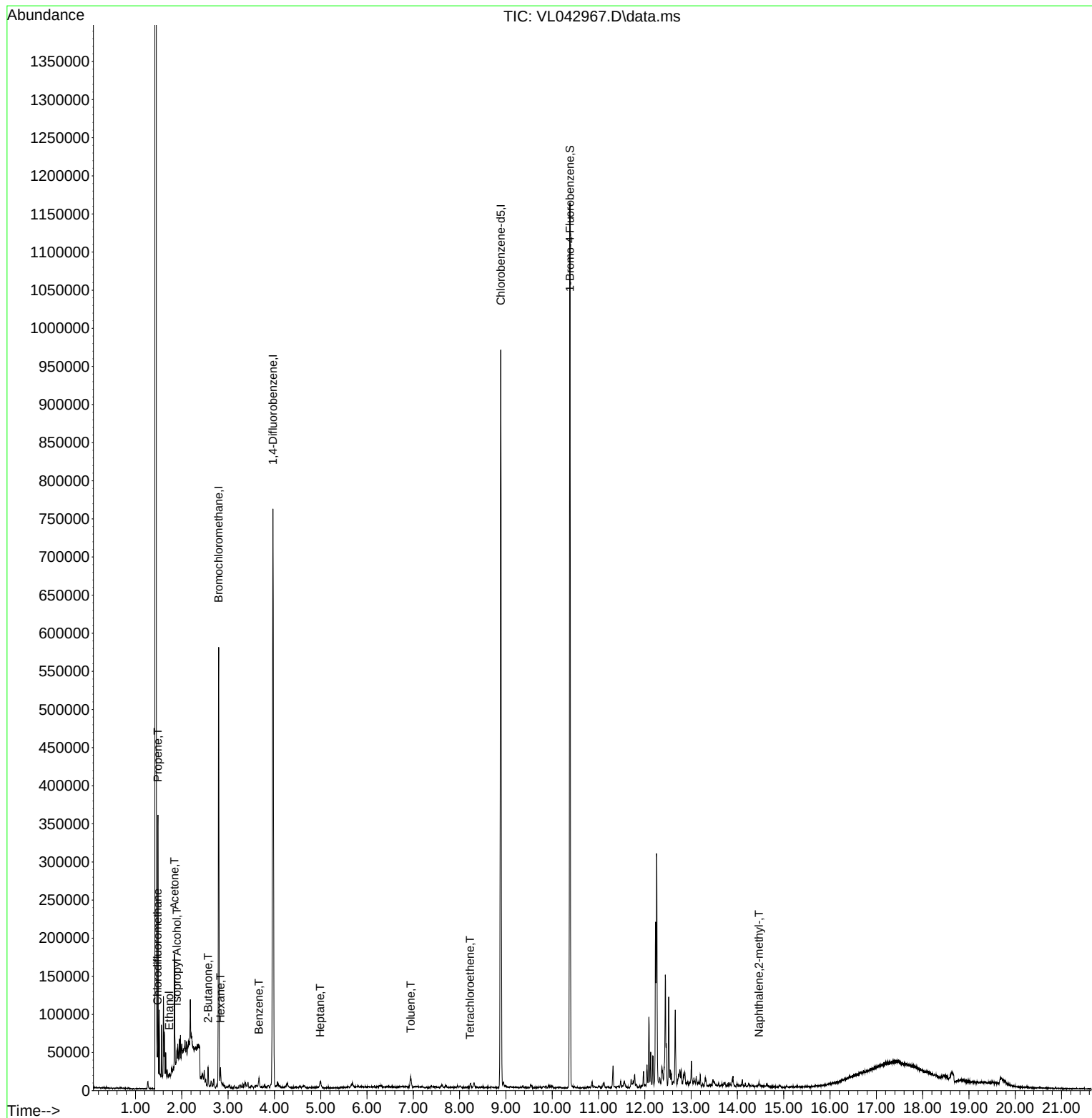
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092225\
Data File : VL042967.D
Acq On : 22 Sep 2025 20:59
Operator : SY/MD
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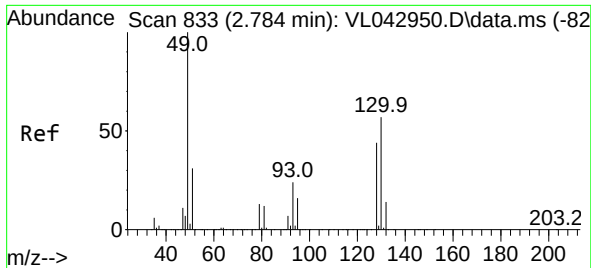
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

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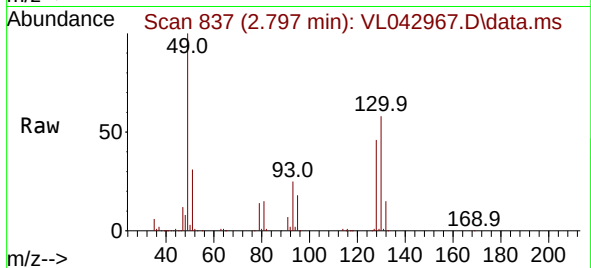
Quant Time: Sep 23 02:56:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL092225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 23 02:39:16 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 833
Delta R.T. 0.013 min
Lab File: VL042967.D
Acq: 22 Sep 2025 20:59

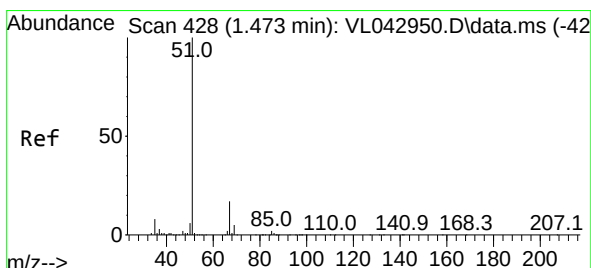
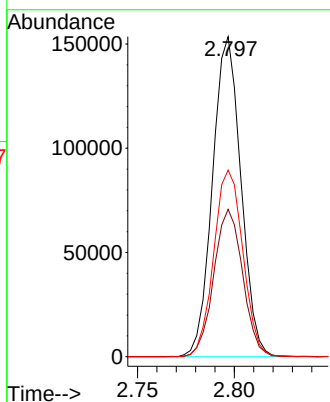
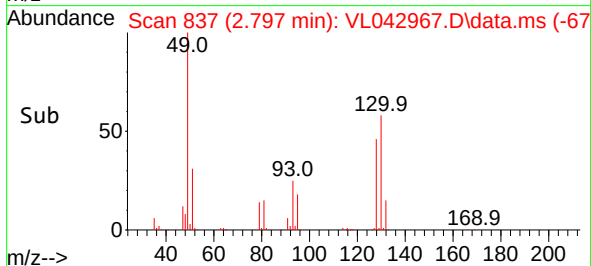
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



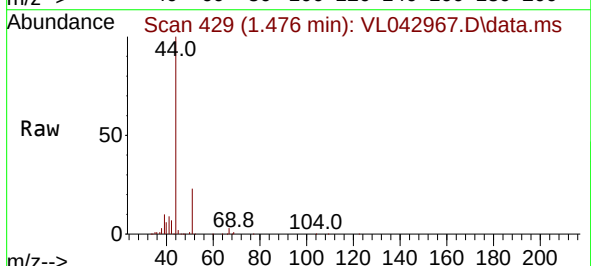
Tgt Ion: 49 Resp: 156410
Ion Ratio Lower Upper
49 100
128 46.9 22.9 68.8
130 60.0 29.1 87.3

Manual Integrations
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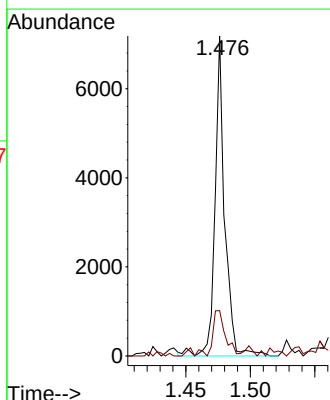
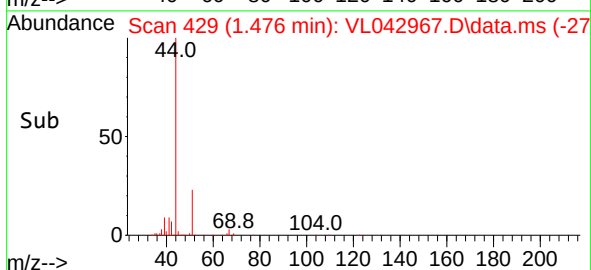
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

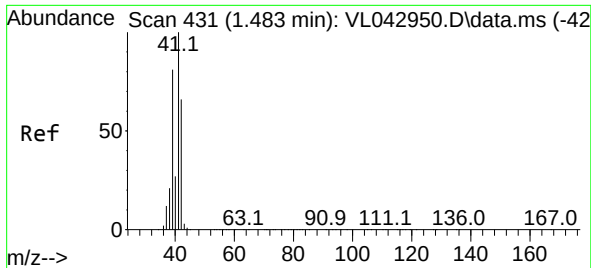


#3
Chlorodifluoromethane
Concen: 0.143 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.003 min
Lab File: VL042967.D
Acq: 22 Sep 2025 20:59



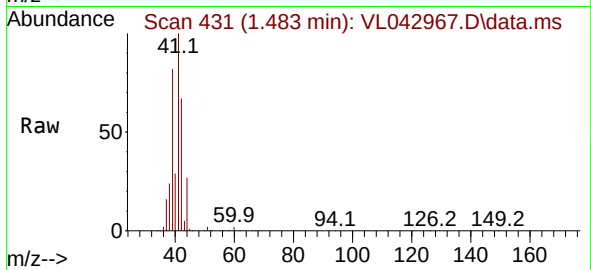
Tgt Ion: 51 Resp: 3752
Ion Ratio Lower Upper
51 100
67 23.7 13.8 20.8#





#9
 Propene
 Concen: 4.549 ppbv
 RT: 1.483 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VL042967.D
 Acq: 22 Sep 2025 20:59

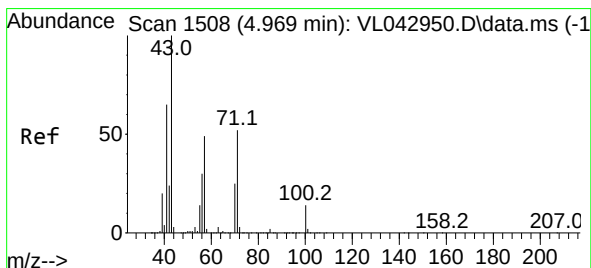
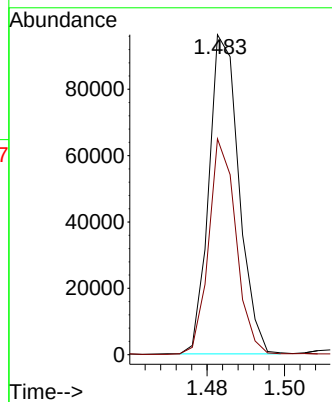
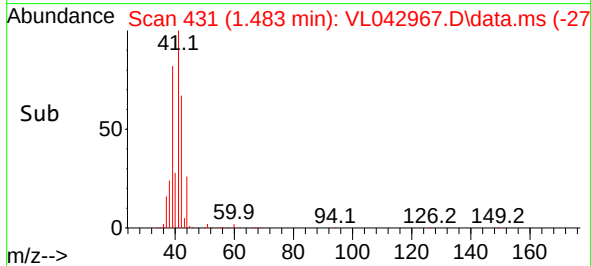
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL



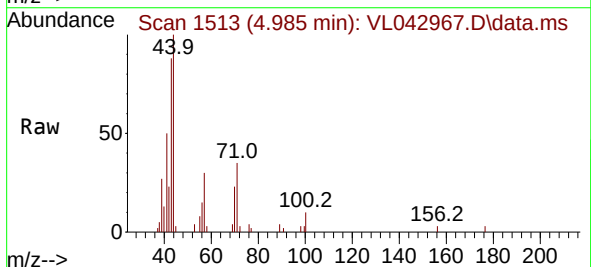
Tgt Ion: 41 Resp: 5188
 Ion Ratio Lower Upper
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 42 62.5 57.4 86.2

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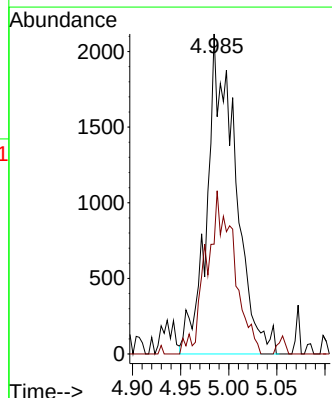
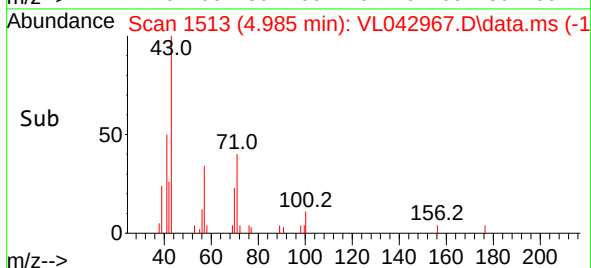
Reviewed By :Semsettin Yesilyurt 09/23/2025
 Supervised By :Mahesh Dadoda 09/24/2025

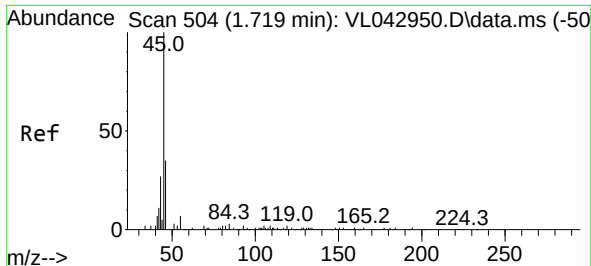


#10
 Heptane
 Concen: 0.144 ppbv m
 RT: 4.985 min Scan# 1513
 Delta R.T. 0.016 min
 Lab File: VL042967.D
 Acq: 22 Sep 2025 20:59



Tgt Ion: 43 Resp: 4378
 Ion Ratio Lower Upper
 43 100
 57 49.6 38.6 57.8





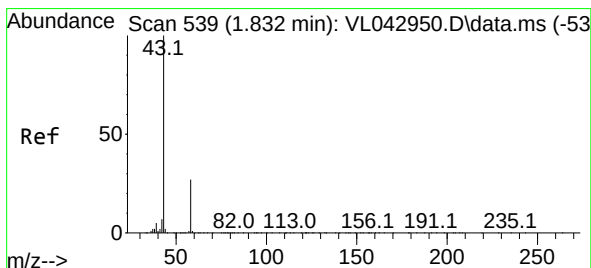
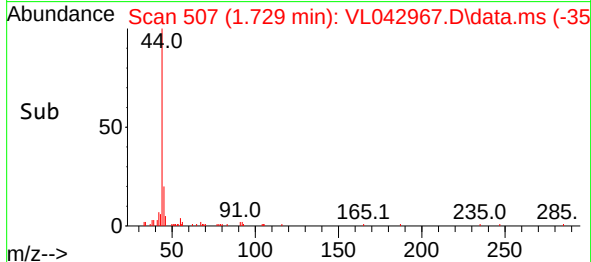
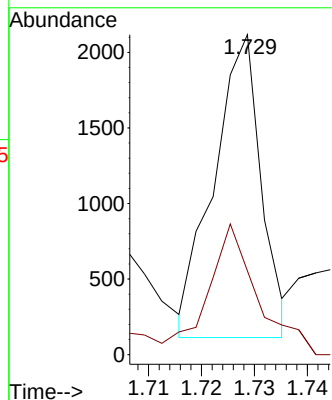
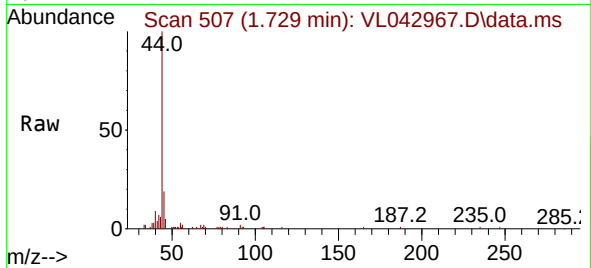
#13
Ethanol
Concen: 1.125 ppbv m
RT: 1.729 min Scan# 504
Delta R.T. 0.010 min
Lab File: VL042967.D
Acq: 22 Sep 2025 20:59

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 45 Resp: 1249
Ion Ratio Lower Upper
45 100
46 20293.3 16.2 64

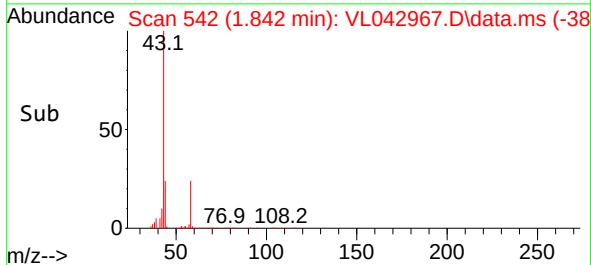
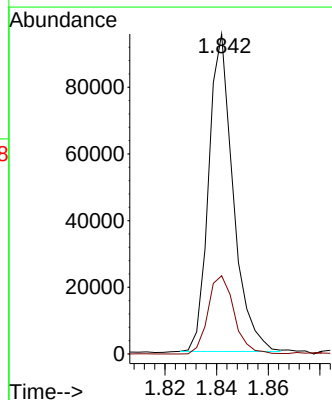
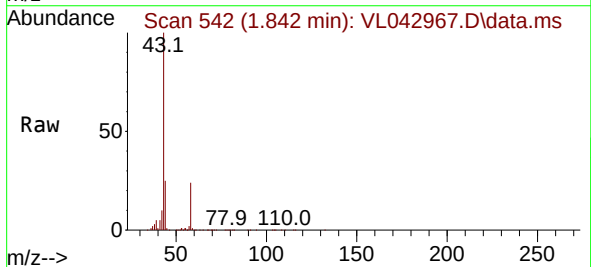
Manual Integrations
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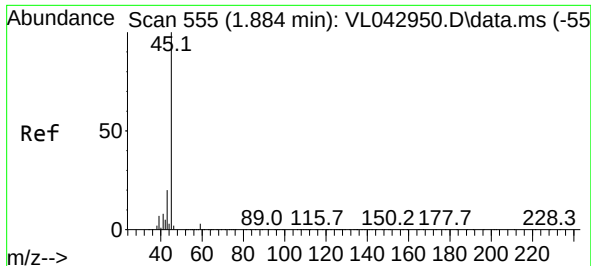
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#15
Acetone
Concen: 3.076 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.010 min
Lab File: VL042967.D
Acq: 22 Sep 2025 20:59

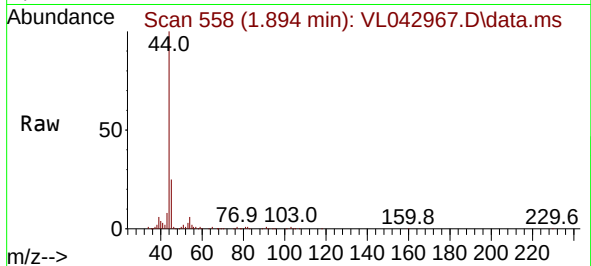
Tgt Ion: 43 Resp: 62670
Ion Ratio Lower Upper
43 100
58 27.2 22.3 33.5





#19
Isopropyl Alcohol
Concen: 0.456 ppbv m
RT: 1.894 min Scan# 558
Delta R.T. 0.010 min
Lab File: VL042967.D
Acq: 22 Sep 2025 20:59

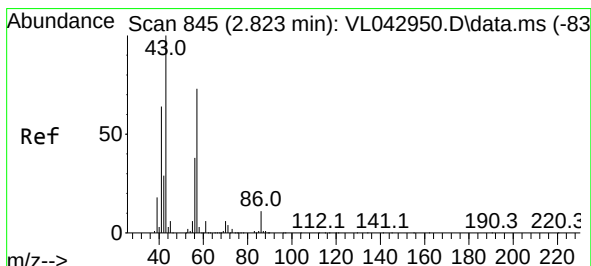
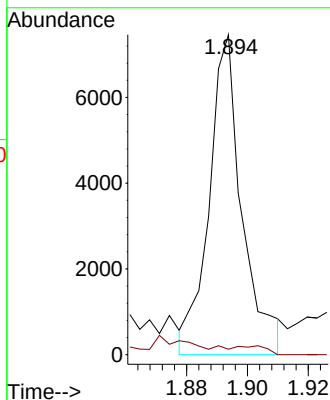
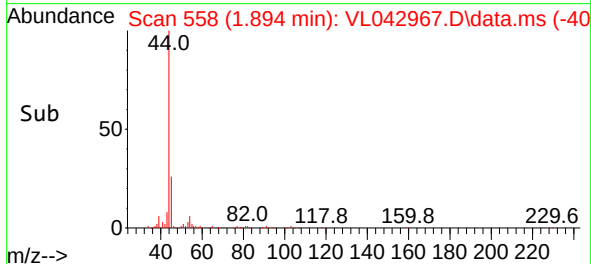
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



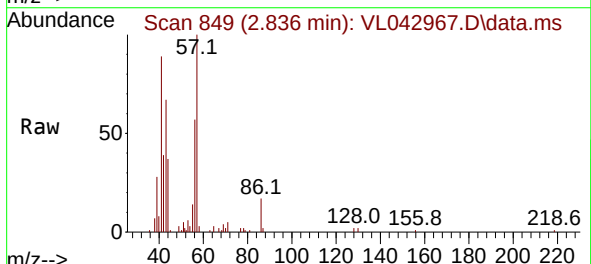
Tgt Ion: 45 Resp: 558
Ion Ratio Lower Upper
45 100
58 42.0 31.0 46.6

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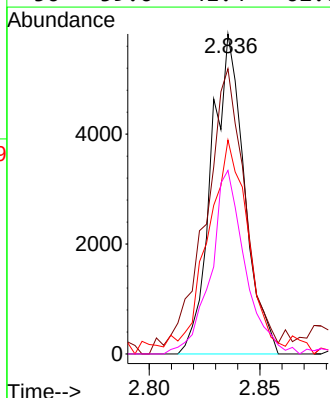
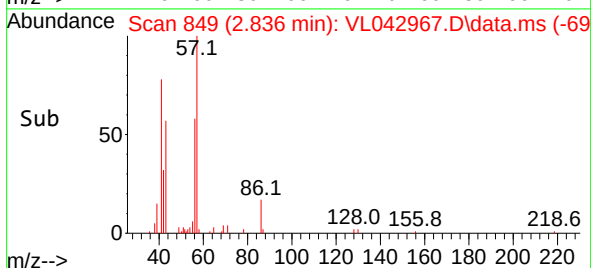
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025

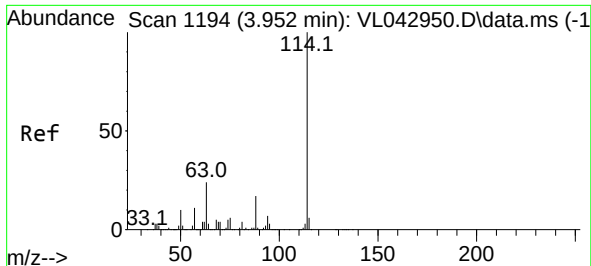


#26
Hexane
Concen: 0.257 ppbv
RT: 2.836 min Scan# 849
Delta R.T. 0.013 min
Lab File: VL042967.D
Acq: 22 Sep 2025 20:59



Tgt Ion: 57 Resp: 6030
Ion Ratio Lower Upper
57 100
41 111.6 71.7 107.5#
43 90.0 180.8 271.2#
56 59.6 41.4 62.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.016 min

Lab File: VL042967.D

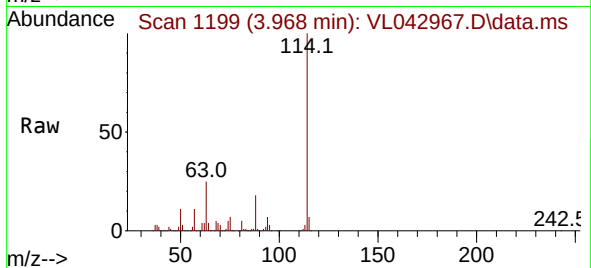
Acq: 22 Sep 2025 20:59

Instrument :

MSVOA_L

ClientSampleId :

SV3DL



Tgt Ion:114 Resp: 471354

Ion Ratio Lower Upper

114 100

63 24.3 19.4 29.2

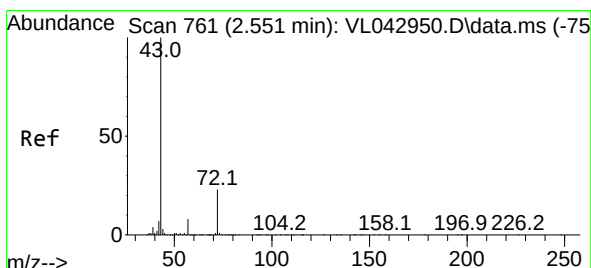
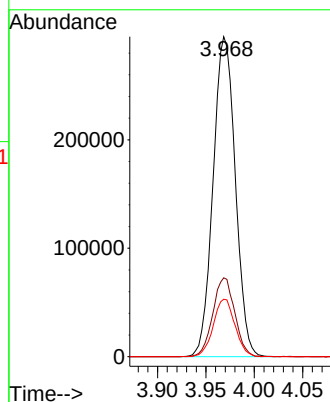
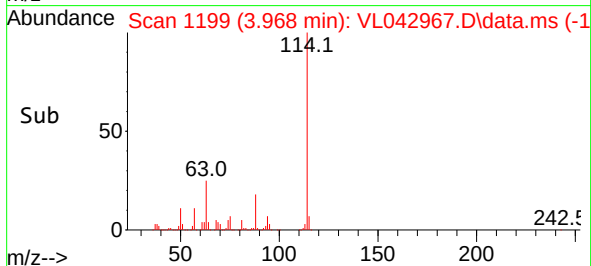
88 17.6 14.2 21.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025

Supervised By :Mahesh Dadoda 09/24/2025



#34

2-Butanone

Concen: 0.501 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.016 min

Lab File: VL042967.D

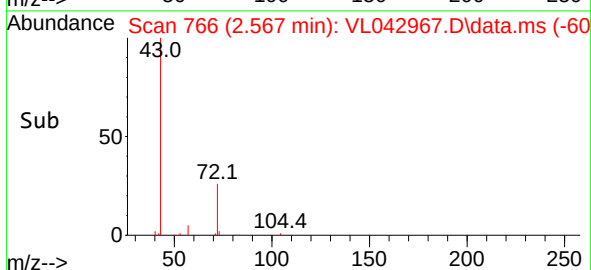
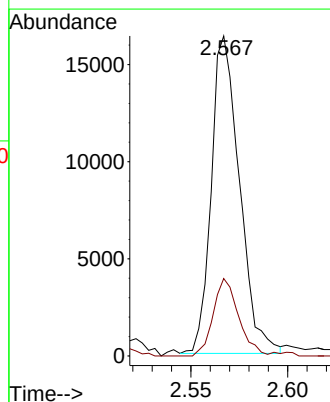
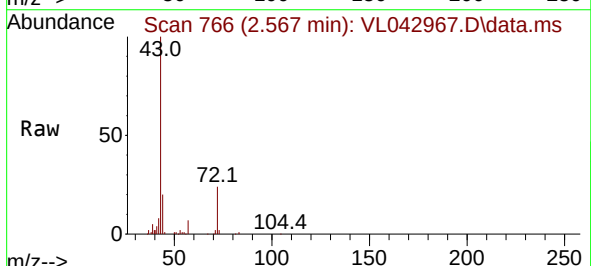
Acq: 22 Sep 2025 20:59

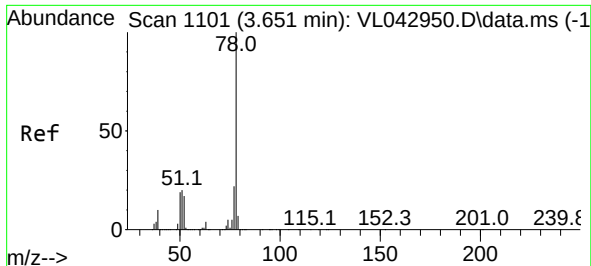
Tgt Ion: 43 Resp: 16539

Ion Ratio Lower Upper

43 100

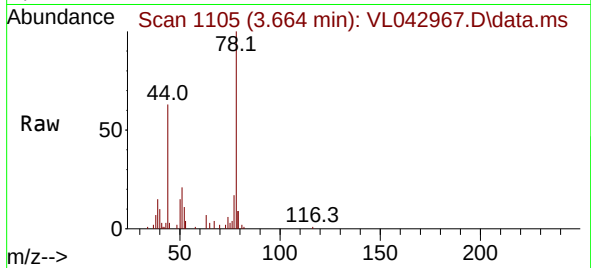
72 22.7 17.7 26.5





#36
Benzene
Concen: 0.151 ppbv
RT: 3.664 min Scan# 1105
Delta R.T. 0.013 min
Lab File: VL042967.D
Acq: 22 Sep 2025 20:59

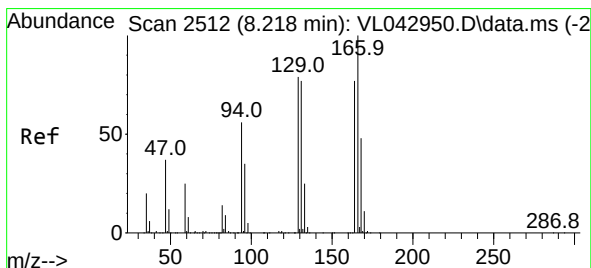
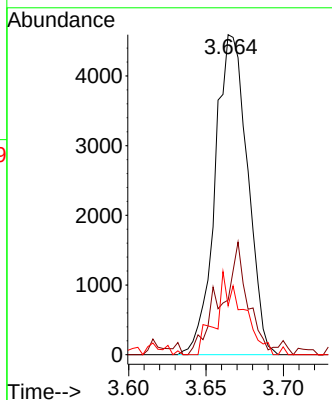
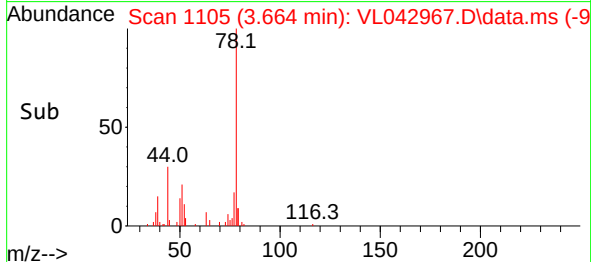
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 78 Resp: 669
Ion Ratio Lower Upper
78 100
77 14.7 17.8 26.6
50 15.3 15.0 22.4

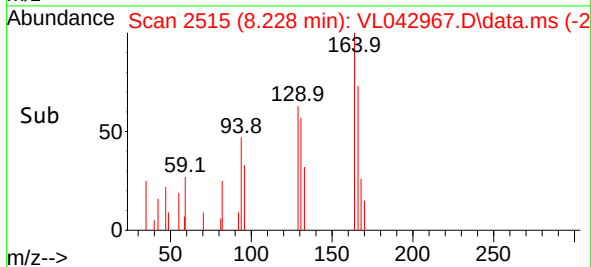
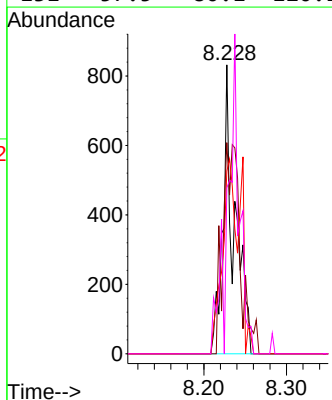
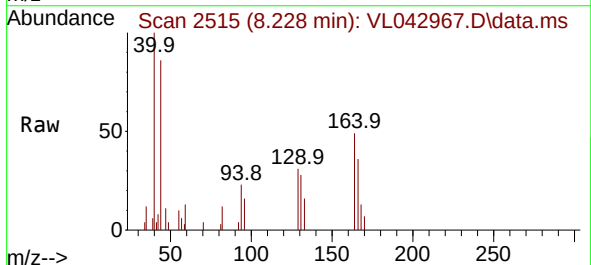
Manual Integrations
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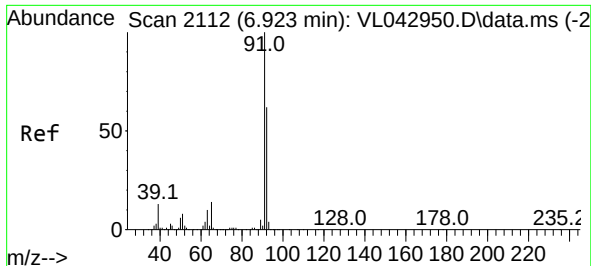
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#52
Tetrachloroethene
Concen: 0.047 ppbv m
RT: 8.228 min Scan# 2515
Delta R.T. 0.010 min
Lab File: VL042967.D
Acq: 22 Sep 2025 20:59

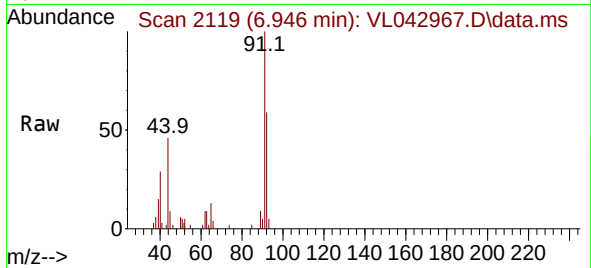
Tgt Ion:164 Resp: 803
Ion Ratio Lower Upper
164 100
166 73.1 103.5 155.3#
129 63.2 82.2 123.4#
131 57.5 80.1 120.1#





#53
Toluene
Concen: 0.179 ppbv m
RT: 6.946 min Scan# 2119
Delta R.T. 0.023 min
Lab File: VL042967.D
Acq: 22 Sep 2025 20:59

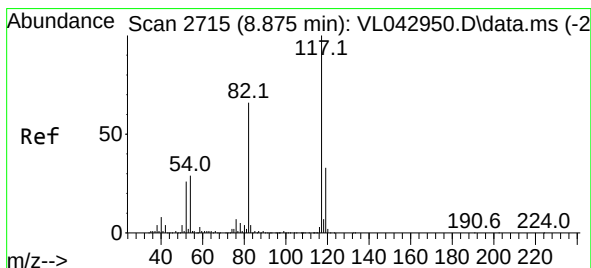
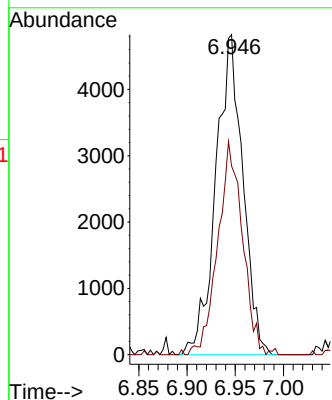
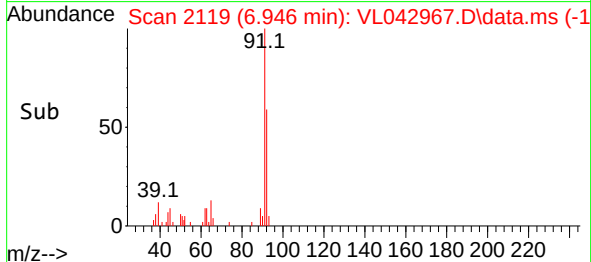
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion: 91 Resp: 9375
Ion Ratio Lower Upper
91 100
92 61.3 48.2 72.2

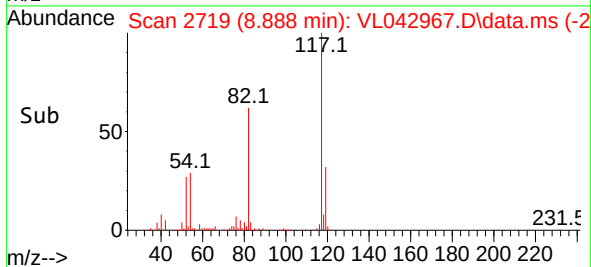
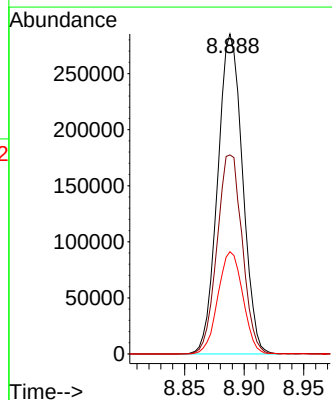
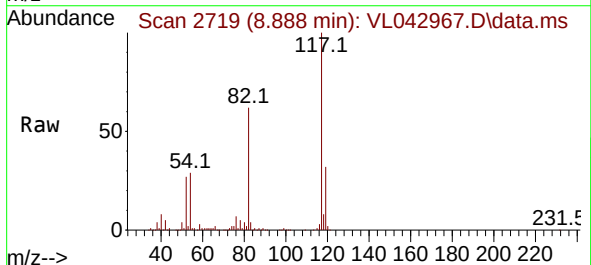
Manual Integrations
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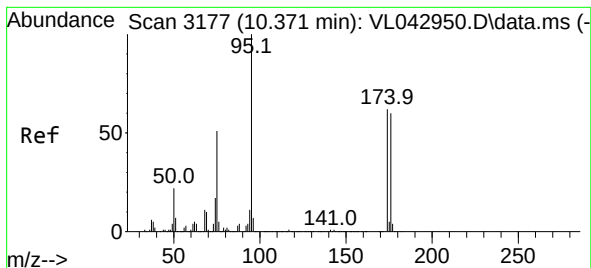
Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.013 min
Lab File: VL042967.D
Acq: 22 Sep 2025 20:59

Tgt Ion:117 Resp: 414212
Ion Ratio Lower Upper
117 100
82 63.1 52.8 79.2
119 32.1 26.5 39.7





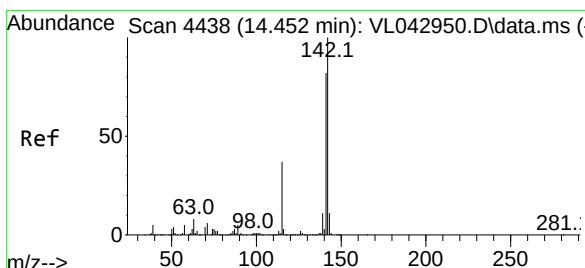
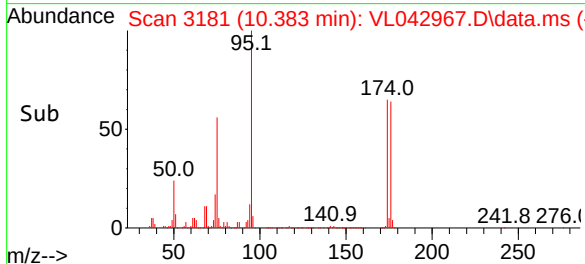
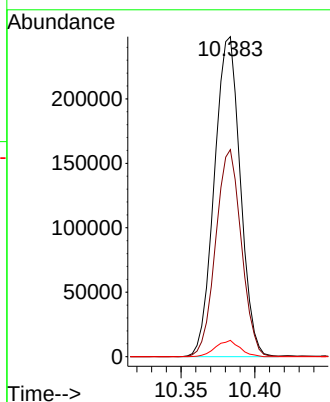
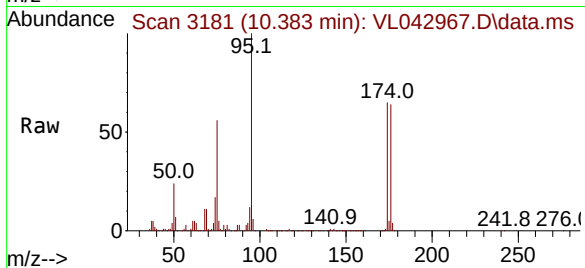
#68
1-Bromo-4-Fluorobenzene
Concen: 9.825 ppbv
RT: 10.383 min Scan# 3177
Delta R.T. 0.013 min
Lab File: VL042967.D
Acq: 22 Sep 2025 20:59

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 95 Resp: 303780
Ion Ratio Lower Upper
95 100
174 64.0 51.4 77.2
175 4.8 4.0 6.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/23/2025
Supervised By :Mahesh Dadoda 09/24/2025



#80
Naphthalene,2-methyl-
Concen: 0.111 ppbv
RT: 14.465 min Scan# 4442
Delta R.T. 0.013 min
Lab File: VL042967.D
Acq: 22 Sep 2025 20:59

Tgt Ion:142 Resp: 1830
Ion Ratio Lower Upper
142 100
141 84.6 65.1 97.7
115 50.3 28.9 43.3#

