

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
 Data File : VL042781.D
 Acq On : 29 Jul 2025 13:49
 Operator : SY/MD
 Sample : Q2712-03DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 07/30/2025
 Supervised By : Mahesh Dadoda 07/30/2025

Quant Time: Jul 30 01:11:23 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 29 2025

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	150377	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.962	114	404374	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.888	117	383482	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.380	95	302771	9.970	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.700%
Target Compounds						
					Qvalue	
10) Heptane	4.982	43	10200	0.402	ppbv	99
11) Trichlorofluoromethane	1.878	101	3454	0.169	ppbv #	83
13) Ethanol	1.722	45	3554m	4.033	ppbv	
15) Acetone	1.836	43	65723	3.165	ppbv	96
19) Isopropyl Alcohol	1.887	45	2594m	0.235	ppbv	
26) Hexane	2.826	57	32288	1.601	ppbv #	40
29) Chloroform	2.849	83	11611	0.373	ppbv	90
34) 2-Butanone	2.564	43	4040	0.141	ppbv	98
52) Tetrachloroethene	8.231	164	24233	1.526	ppbv	94
53) Toluene	6.940	91	17200	0.418	ppbv	97
58) Ethyl Benzene	9.361	91	6728m	0.111	ppbv	
59) m/p-Xylene	9.539	91	30801	0.636	ppbv	98
60) o-Xylene	9.969	91	13742	0.284	ppbv	98

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

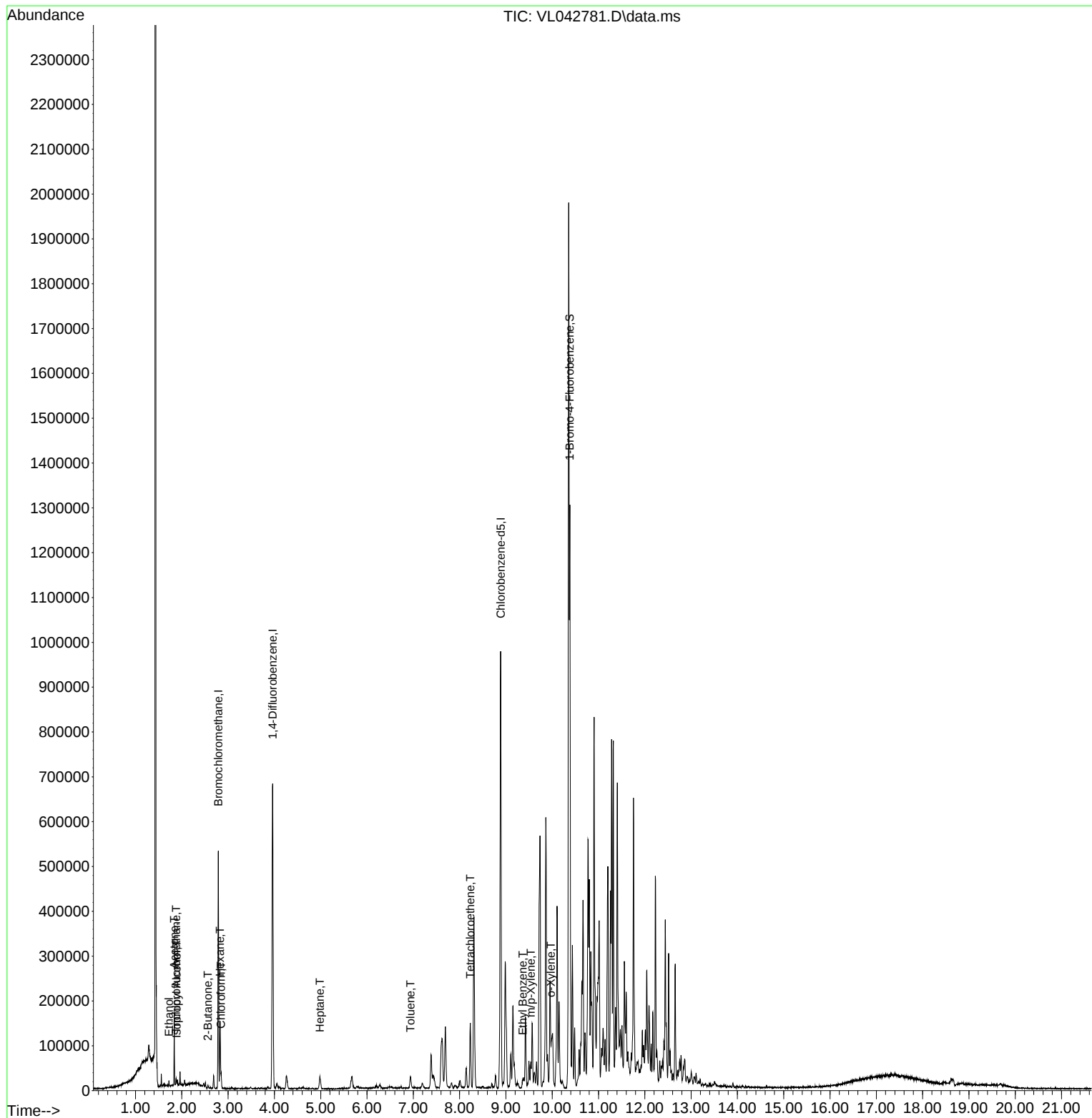
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072925\
Data File : VL042781.D
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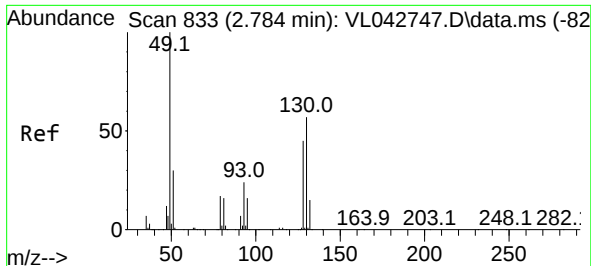
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

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APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

Quant Time: Jul 30 01:11:23 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





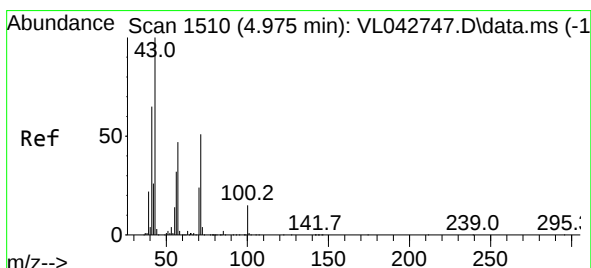
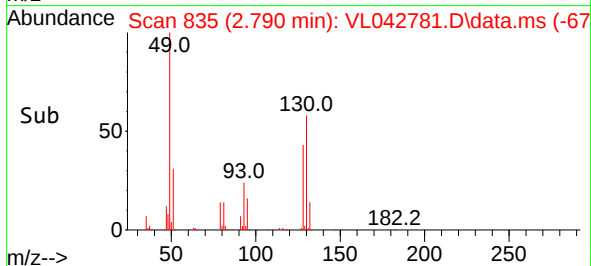
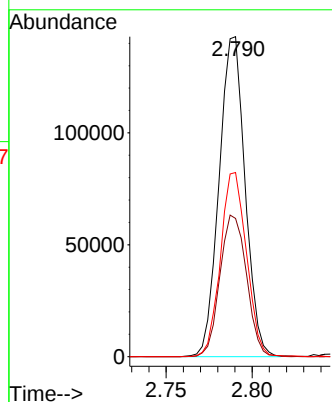
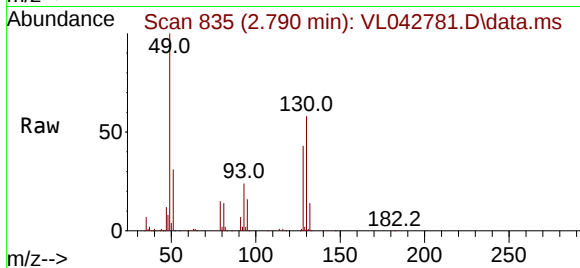
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.790 min Scan# 81
Delta R.T. 0.006 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 49 Resp: 15037
Ion Ratio Lower Upper
49 100
128 45.3 23.6 71.0
130 57.6 30.3 90.8

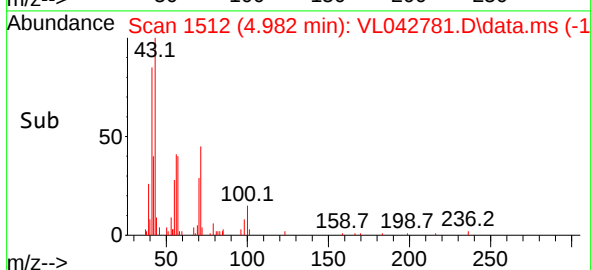
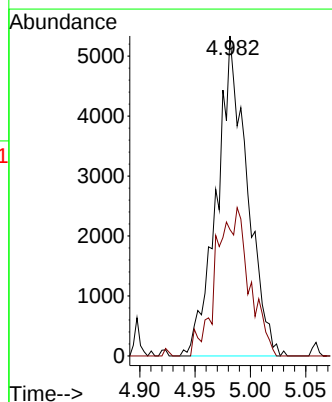
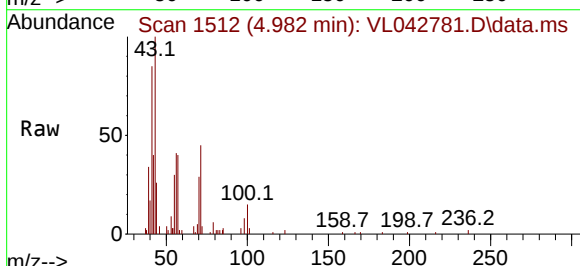
Manual Integrations
APPROVED

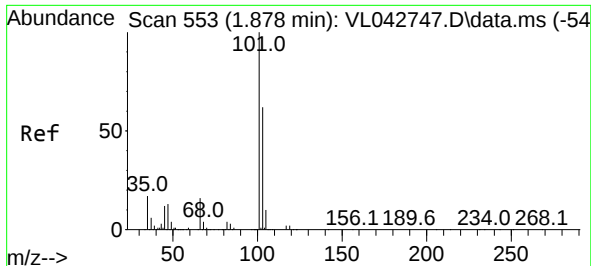
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#10
Heptane
Concen: 0.402 ppbv
RT: 4.982 min Scan# 1512
Delta R.T. 0.007 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49

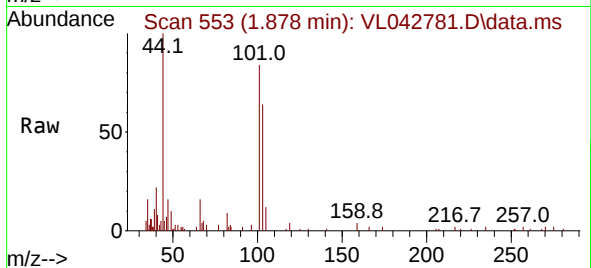
Tgt Ion: 43 Resp: 10200
Ion Ratio Lower Upper
43 100
57 50.8 39.9 59.9





#11
Trichlorofluoromethane
Concen: 0.169 ppbv
RT: 1.878 min Scan# 505
Delta R.T. 0.000 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49

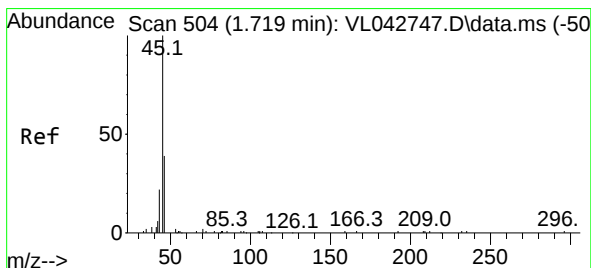
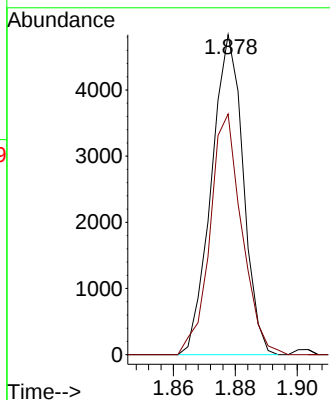
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:101 Resp: 3454
Ion Ratio Lower Upper
101 100
103 75.2 49.6 74.4#

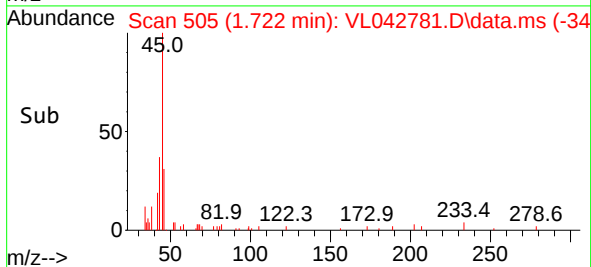
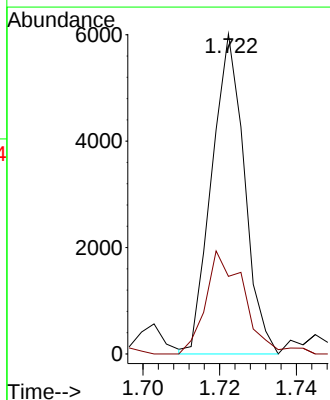
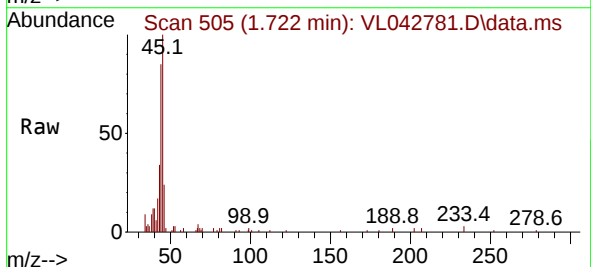
Manual Integrations
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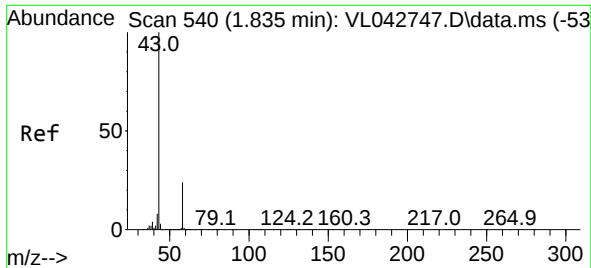
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#13
Ethanol
Concen: 4.033 ppbv m
RT: 1.722 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49

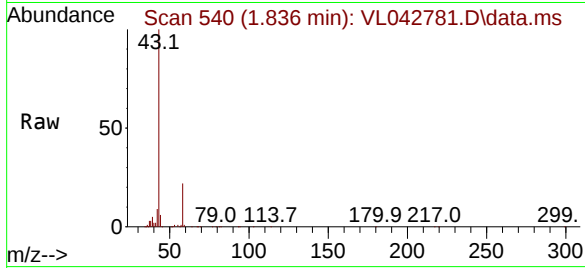
Tgt Ion: 45 Resp: 3554
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#





#15
Acetone
Concen: 3.165 ppbv
RT: 1.836 min Scan# 540
Delta R.T. 0.000 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49

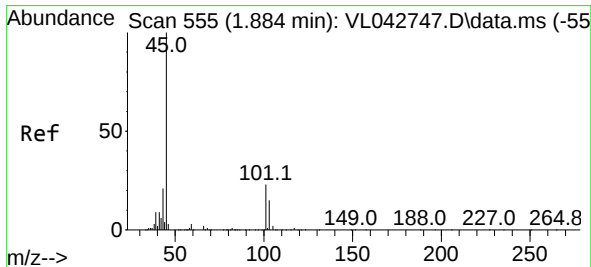
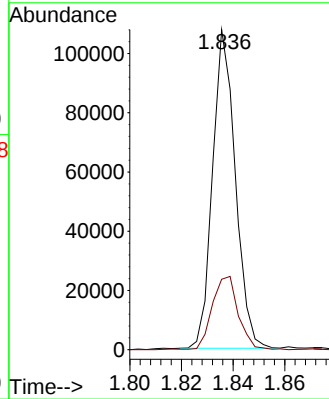
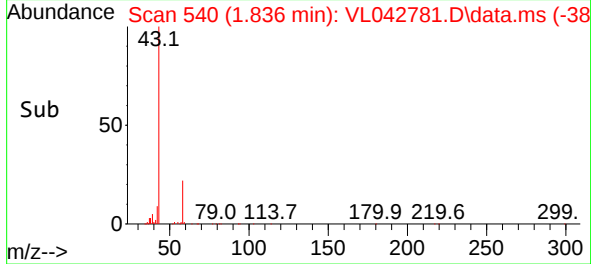
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



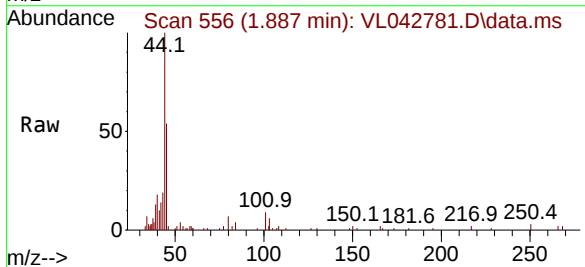
Tgt Ion: 43 Resp: 65723
Ion Ratio Lower Upper
43 100
58 26.8 19.8 29.8

Manual Integrations
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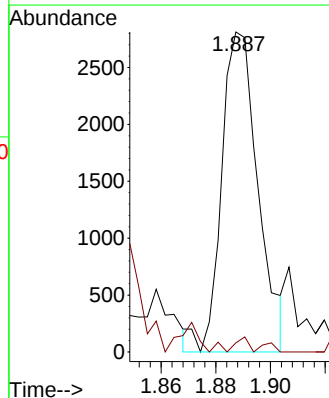
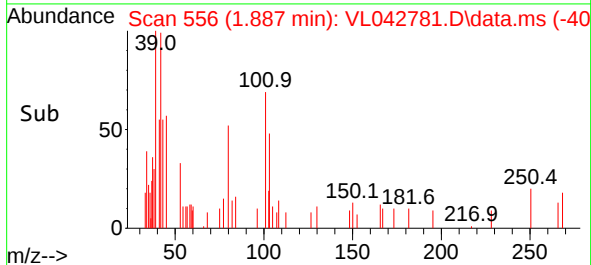
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

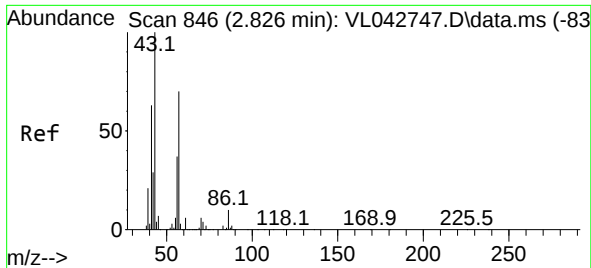


#19
Isopropyl Alcohol
Concen: 0.235 ppbv m
RT: 1.887 min Scan# 556
Delta R.T. 0.003 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49



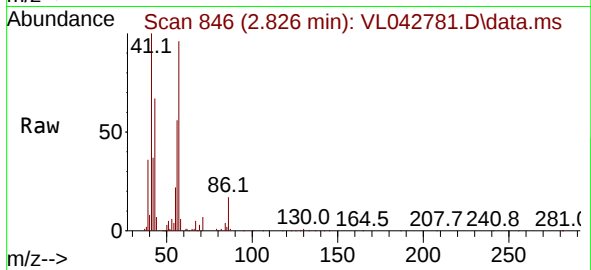
Tgt Ion: 45 Resp: 2594
Ion Ratio Lower Upper
45 100
58 0.0 30.0 45.0#





#26
Hexane
Concen: 1.601 ppbv
RT: 2.826 min Scan# 846
Delta R.T. 0.000 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49

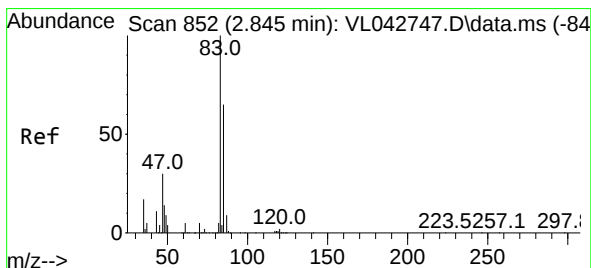
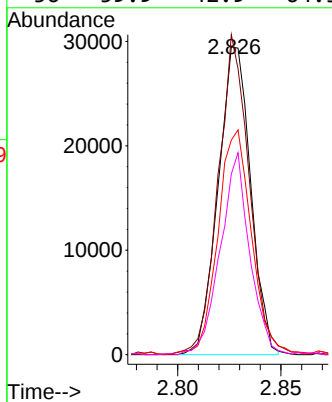
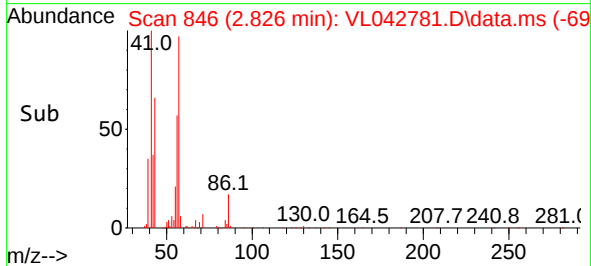
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



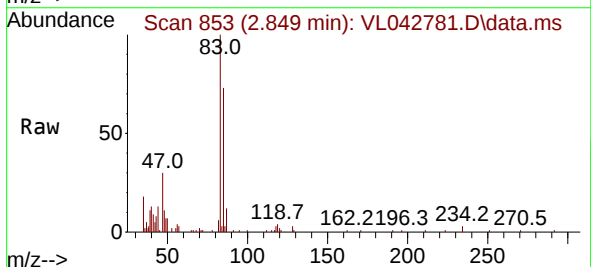
Tgt Ion: 57 Resp: 3228
Ion Ratio Lower Upper
57 100
41 100.8 75.4 113.2
43 77.1 185.0 277.6
56 59.9 42.9 64.3

Manual Integrations
APPROVED

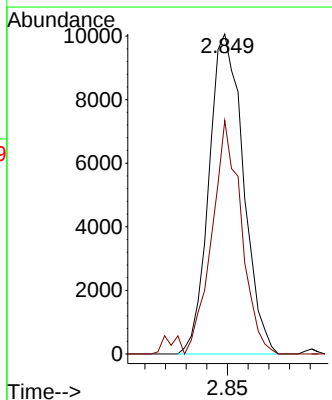
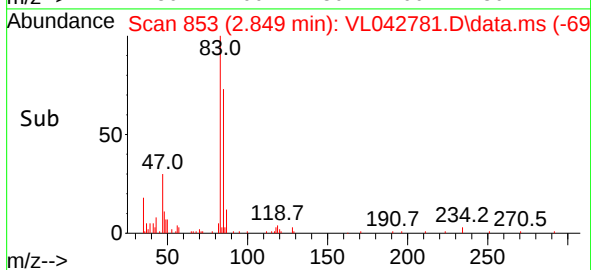
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

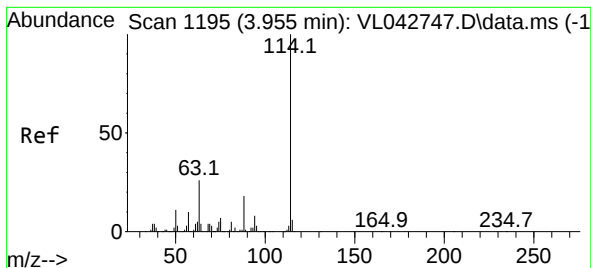


#29
Chloroform
Concen: 0.373 ppbv
RT: 2.849 min Scan# 853
Delta R.T. 0.003 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49



Tgt Ion: 83 Resp: 11611
Ion Ratio Lower Upper
83 100
85 73.0 52.2 78.2





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.962 min Scan# 1197

Delta R.T. 0.007 min

Lab File: VL042781.D

Acq: 29 Jul 2025 13:49

Instrument :

MSVOA_L

ClientSampleId :

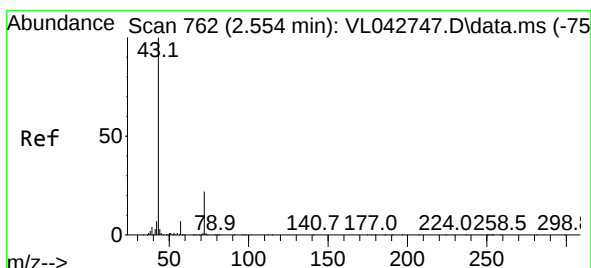
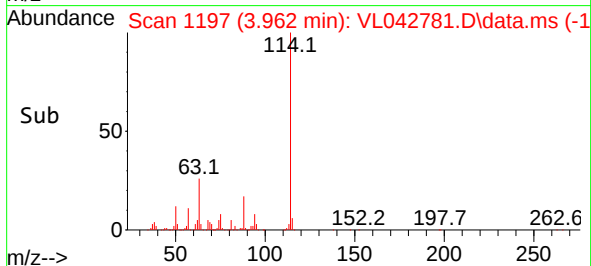
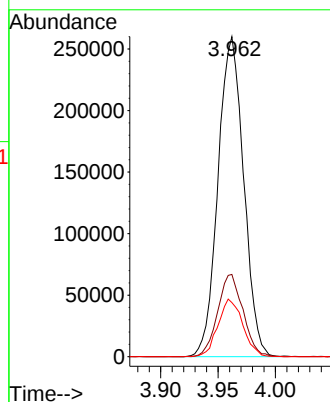
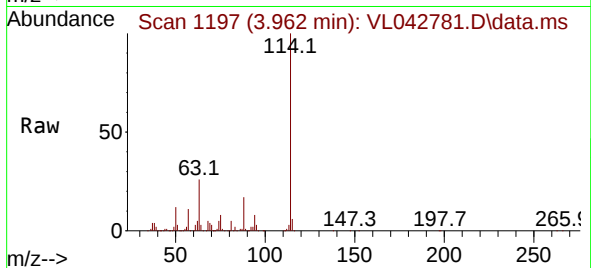
SV3DL

Tgt Ion:	114	Resp:	404374
Ion Ratio	Lower	Upper	
114	100		
63	25.4	20.5	30.7
88	17.4	14.0	21.0

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 07/30/2025



#34

2-Butanone

Concen: 0.141 ppbv

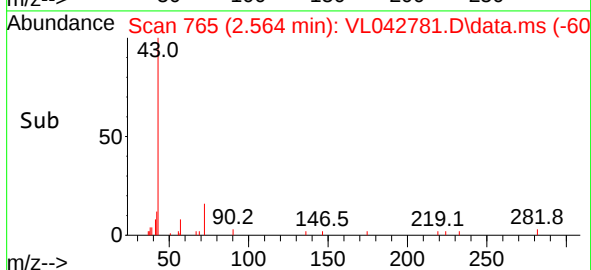
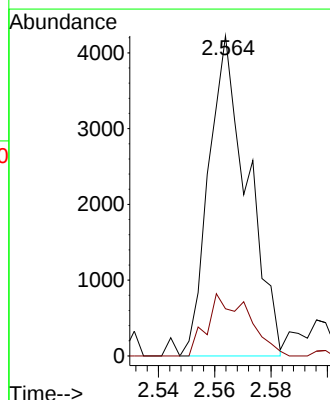
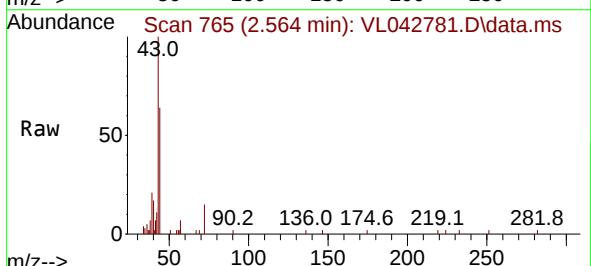
RT: 2.564 min Scan# 765

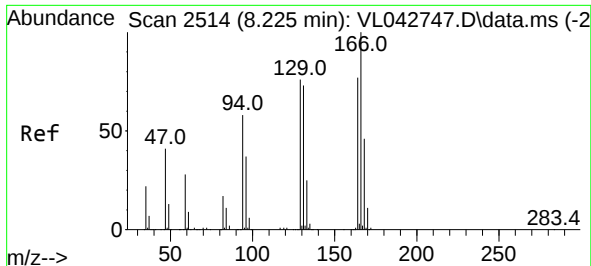
Delta R.T. 0.010 min

Lab File: VL042781.D

Acq: 29 Jul 2025 13:49

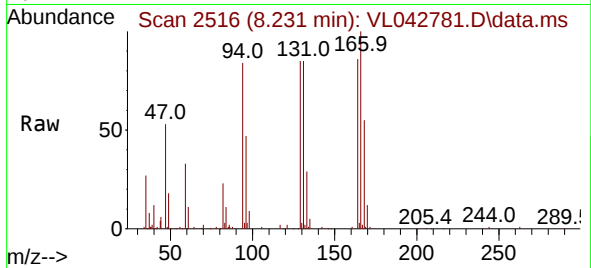
Tgt Ion:	43	Resp:	4040
Ion Ratio	Lower	Upper	
43	100		
72	20.7	17.4	26.0





#52
Tetrachloroethene
Concen: 1.526 ppbv
RT: 8.231 min Scan# 2116
Delta R.T. 0.007 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49

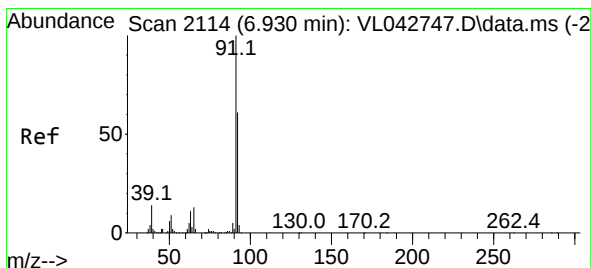
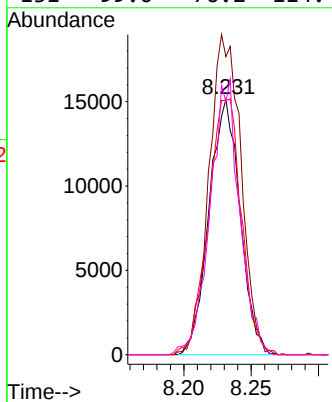
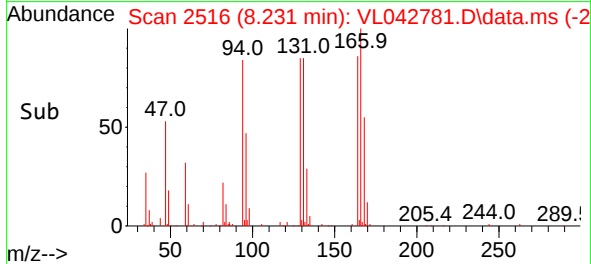
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



Tgt Ion:164 Resp: 2423
Ion Ratio Lower Upper
164 100
166 116.7 104.0 156.0
129 99.5 79.2 118.8
131 99.0 76.2 114.4

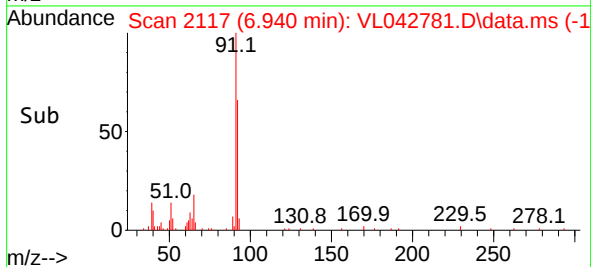
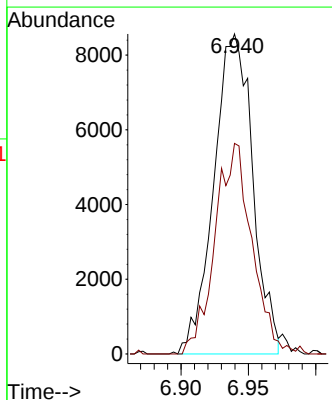
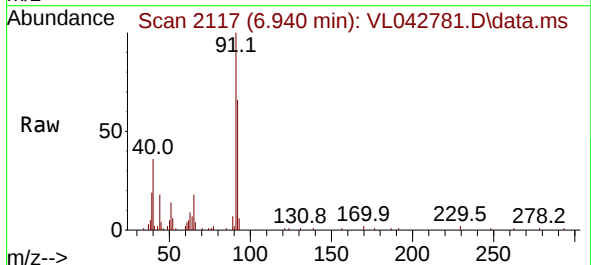
Manual Integrations
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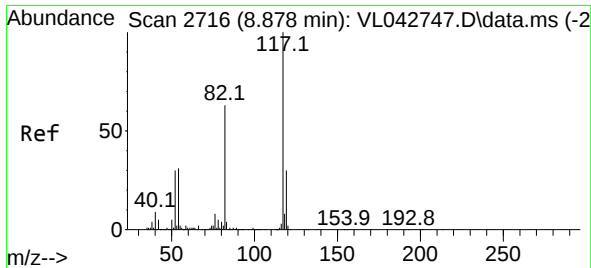
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#53
Toluene
Concen: 0.418 ppbv
RT: 6.940 min Scan# 2117
Delta R.T. 0.010 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49

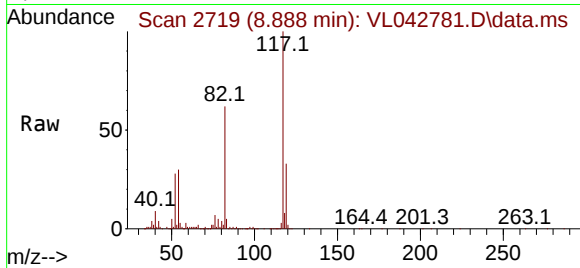
Tgt Ion: 91 Resp: 17200
Ion Ratio Lower Upper
91 100
92 62.6 48.0 72.0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.888 min Scan# 2719
Delta R.T. 0.010 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49

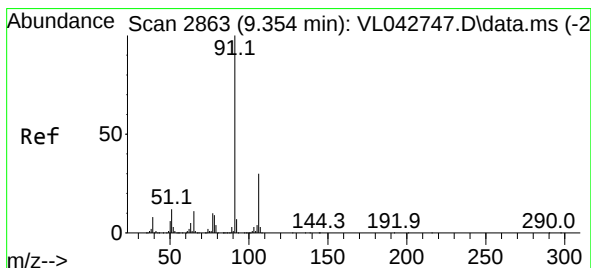
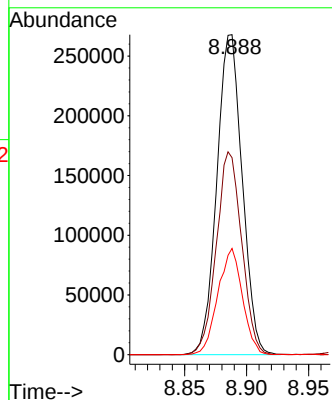
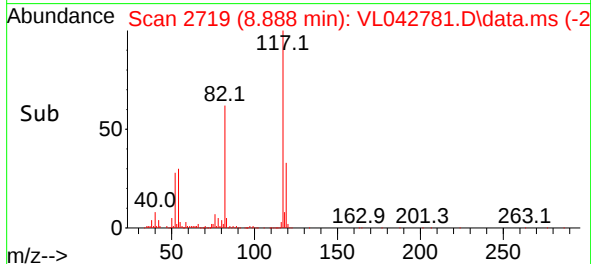
Instrument :
MSVOA_L
ClientSampleId :
SV3DL



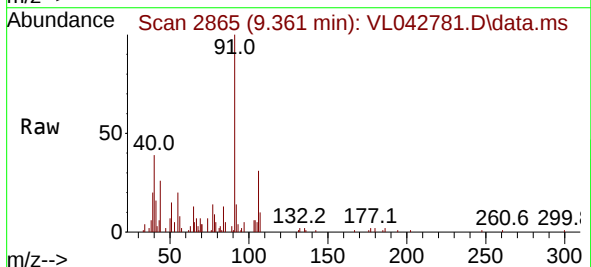
Tgt Ion:117 Resp: 38348
Ion Ratio Lower Upper
117 100
82 63.2 53.3 79.9
119 32.1 25.8 38.6

Manual Integrations
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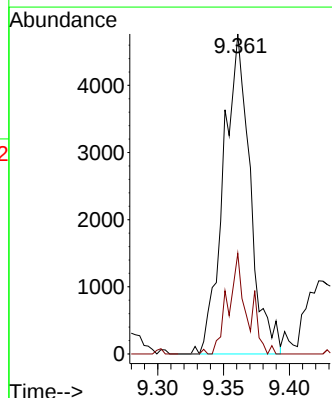
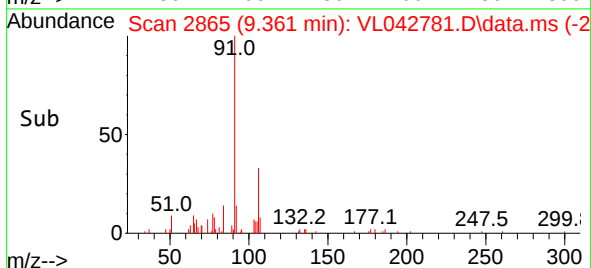
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025

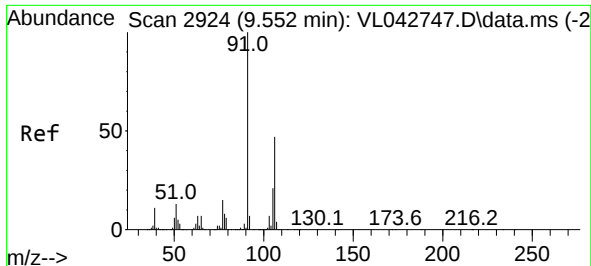


#58
Ethyl Benzene
Concen: 0.111 ppbv m
RT: 9.361 min Scan# 2865
Delta R.T. 0.007 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49



Tgt Ion: 91 Resp: 6728
Ion Ratio Lower Upper
91 100
106 31.5 23.8 35.6





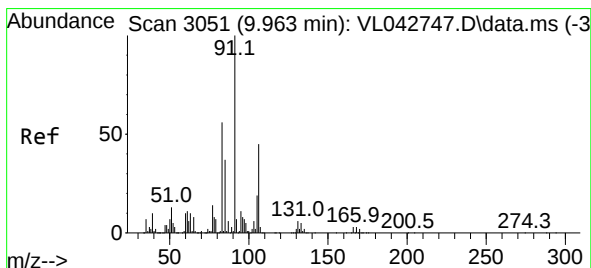
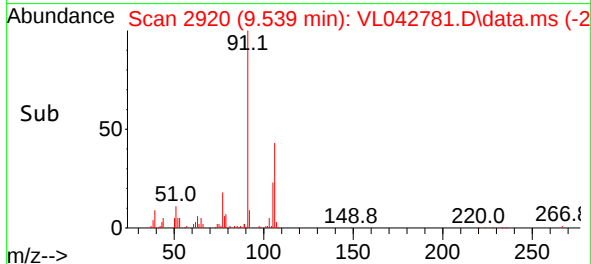
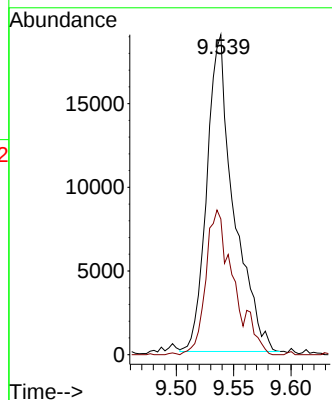
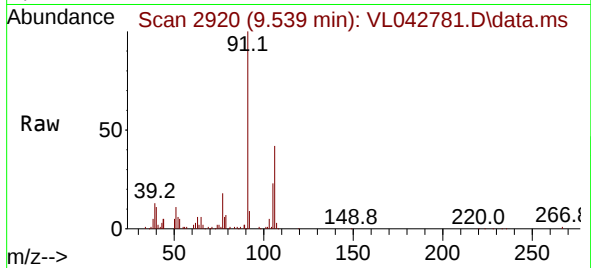
#59
m/p-Xylene
Concen: 0.636 ppbv
RT: 9.539 min Scan# 2924
Delta R.T. -0.013 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Tgt Ion: 91 Resp: 3080
Ion Ratio Lower Upper
91 100
106 48.0 37.4 56.2

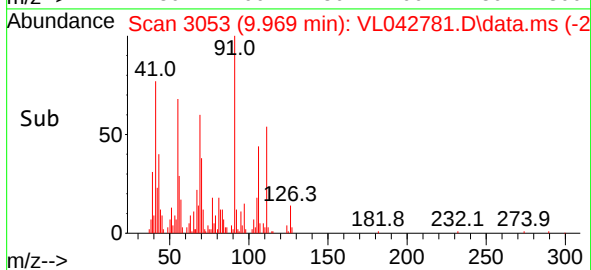
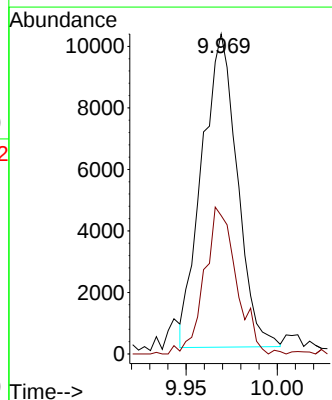
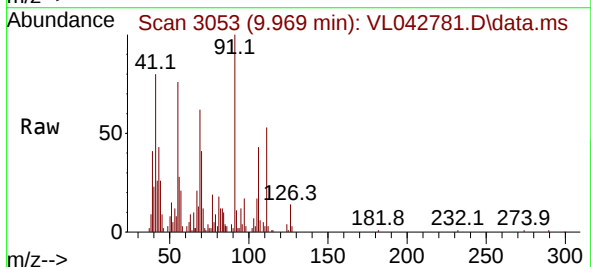
Manual Integrations
APPROVED

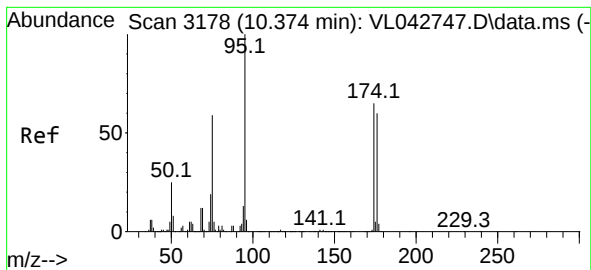
Reviewed By :Semsettin Yesilyurt 07/30/2025
Supervised By :Mahesh Dadoda 07/30/2025



#60
o-Xylene
Concen: 0.284 ppbv
RT: 9.969 min Scan# 3053
Delta R.T. 0.007 min
Lab File: VL042781.D
Acq: 29 Jul 2025 13:49

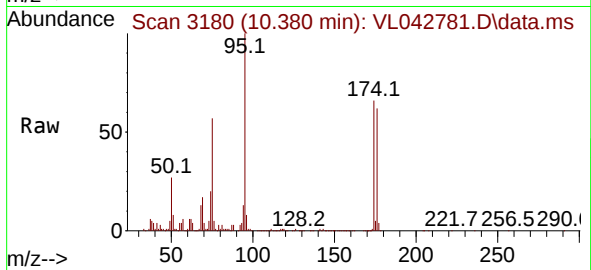
Tgt Ion: 91 Resp: 13742
Ion Ratio Lower Upper
91 100
106 43.0 22.0 66.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.970 ppbv
 RT: 10.380 min Scan# 3178
 Delta R.T. 0.007 min
 Lab File: VL042781.D
 Acq: 29 Jul 2025 13:49

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL



Tgt Ion: 95 Resp: 30277
 Ion Ratio Lower Upper
 95 100
 174 65.5 53.8 80.6
 175 5.1 4.0 6.0

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/30/2025
 Supervised By :Mahesh Dadoda 07/30/2025

