

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
 Data File : VL042678.D
 Acq On : 27 Jun 2025 14:36
 Operator : SY/MD
 Sample : Q2432-01DL 80X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025

Quant Time: Jun 27 23:05:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL052925AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Fri May 30 02:01:56 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	111786	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	286704	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	252875	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	203210	10.720	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 107.200%	
Target Compounds						
					Qvalue	
9) Propene	1.482	41	1144	0.150	ppbv #	68
13) Ethanol	1.719	45	481m	0.530	ppbv	
15) Acetone	1.835	43	8986	0.667	ppbv	96
26) Hexane	2.826	57	8417	0.503	ppbv #	37
29) Chloroform	2.845	83	2597m	0.119	ppbv	
34) 2-Butanone	2.557	43	7592	0.371	ppbv	97
52) Tetrachloroethene	8.218	164	116135	11.008	ppbv	98
53) Toluene	6.930	91	4217m	0.129	ppbv	
59) m/p-Xylene	9.519	91	4036m	0.120	ppbv	

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

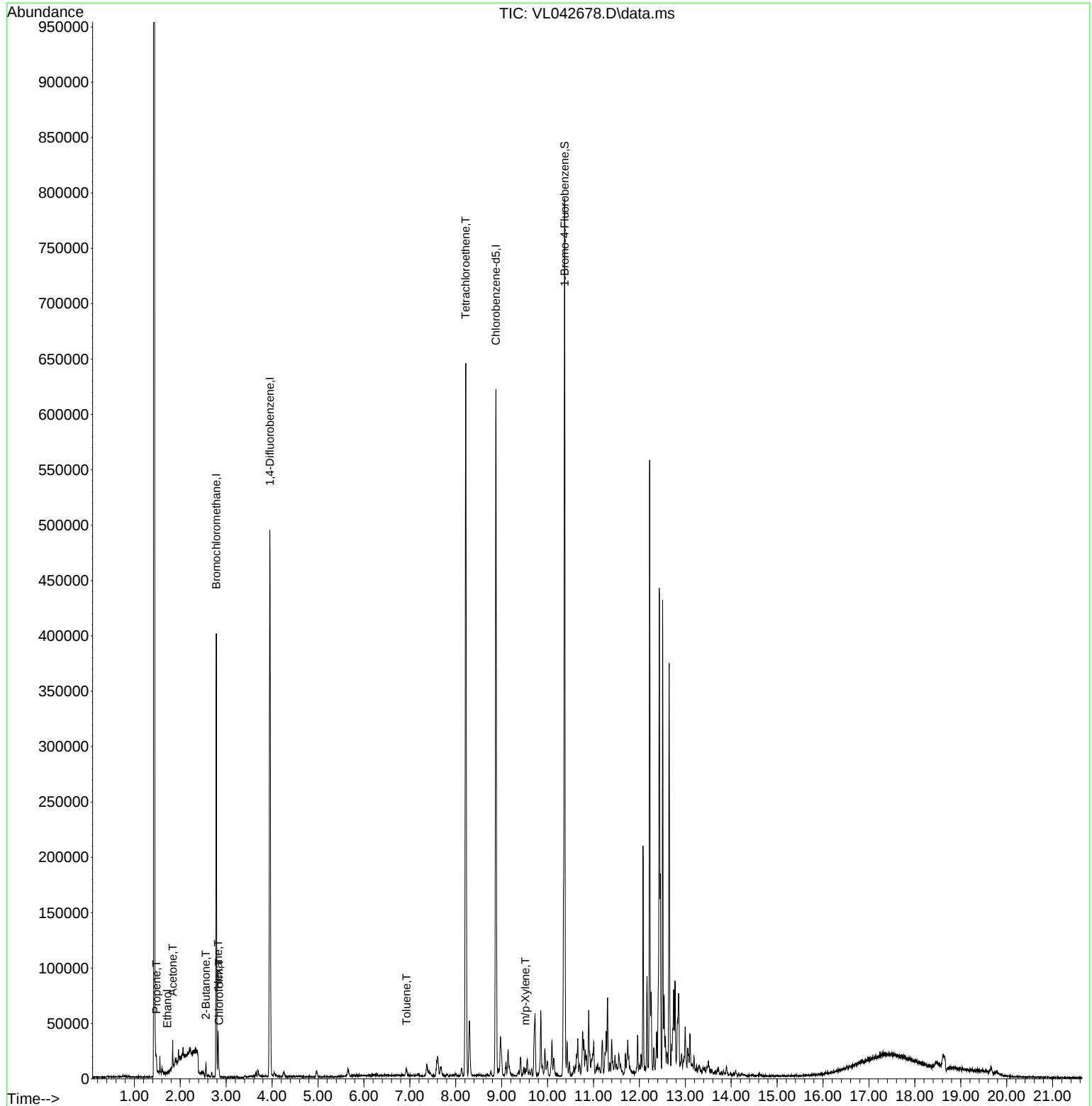
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062725\
Data File : VL042678.D
Acq On : 27 Jun 2025 14:36
Operator : SY/MD
Sample : Q2432-01DL 80X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

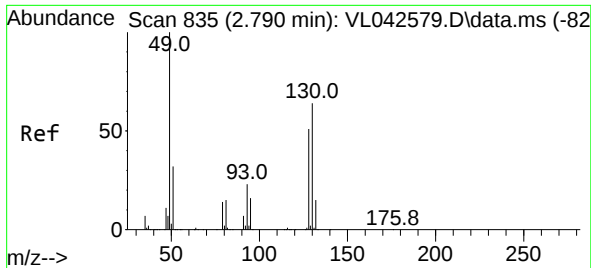
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 06/30/2025
Supervised By : Mahesh Dadoda 06/30/2025

Quant Time: Jun 27 23:05:02 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





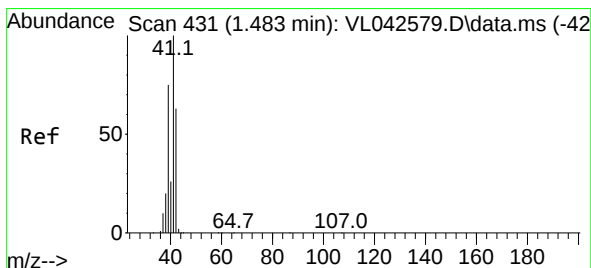
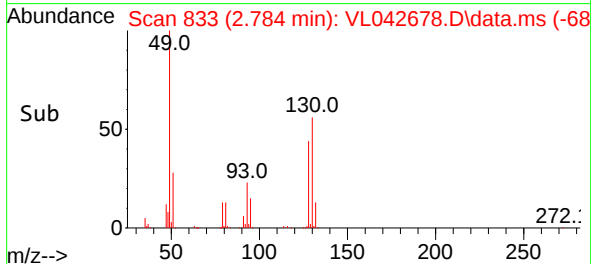
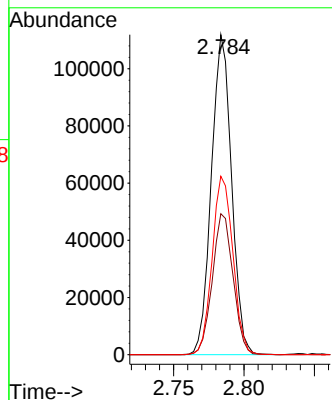
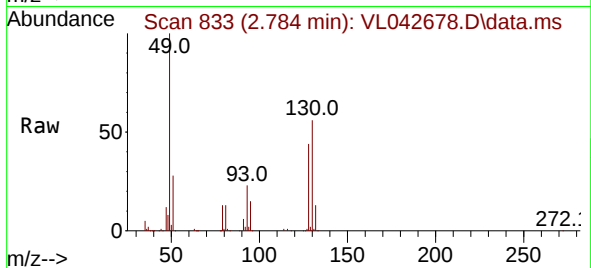
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. -0.006 min
Lab File: VL042678.D
Acq: 27 Jun 2025 14:36

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 49 Resp: 111780
Ion Ratio Lower Upper
49 100
128 45.2 24.2 72.6
130 57.2 30.4 91.2

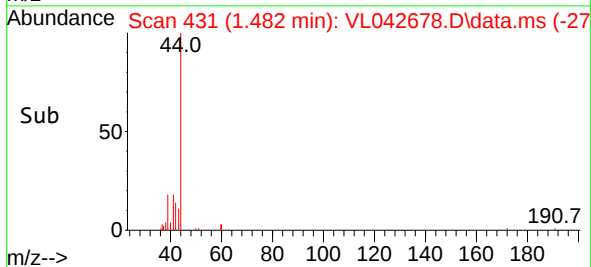
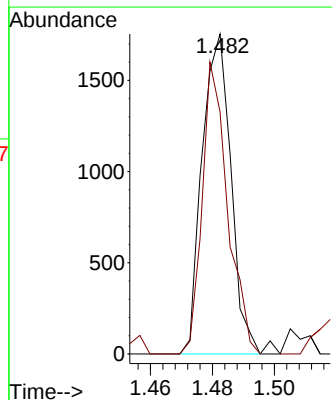
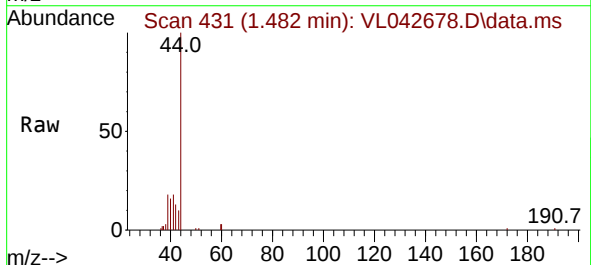
Manual Integrations
APPROVED

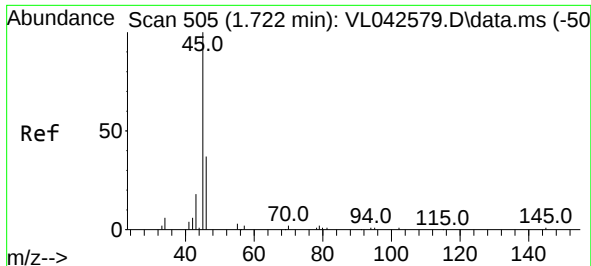
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#9
Propene
Concen: 0.150 ppbv
RT: 1.482 min Scan# 431
Delta R.T. -0.000 min
Lab File: VL042678.D
Acq: 27 Jun 2025 14:36

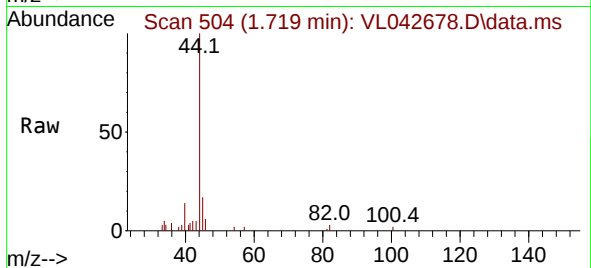
Tgt Ion: 41 Resp: 1144
Ion Ratio Lower Upper
41 100
42 92.5 53.3 79.9#





#13
Ethanol
Concen: 0.530 ppbv m
RT: 1.719 min Scan# 50
Delta R.T. -0.003 min
Lab File: VL042678.D
Acq: 27 Jun 2025 14:36

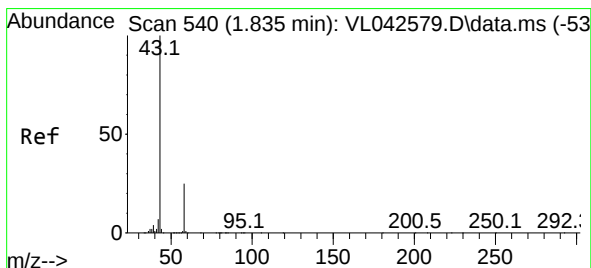
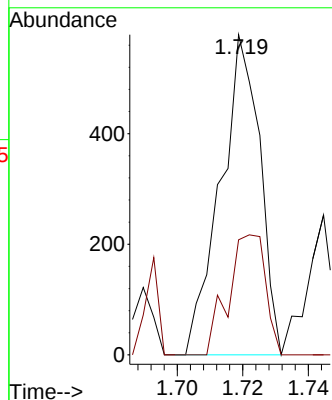
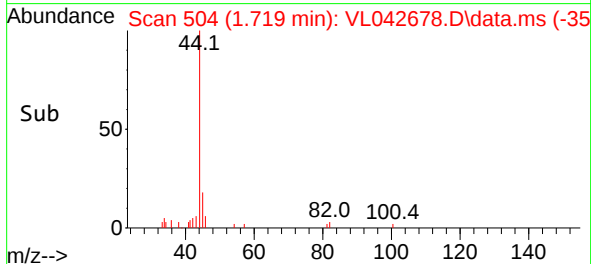
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 45 Resp: 48
Ion Ratio Lower Upper
45 100
46 45366.3 14.5 58

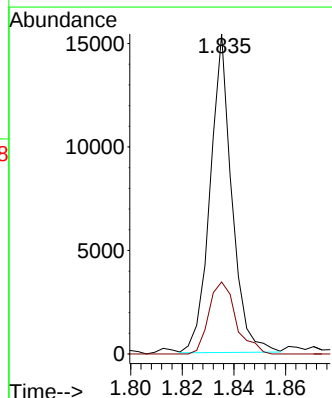
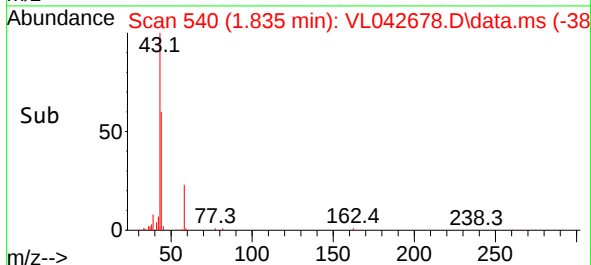
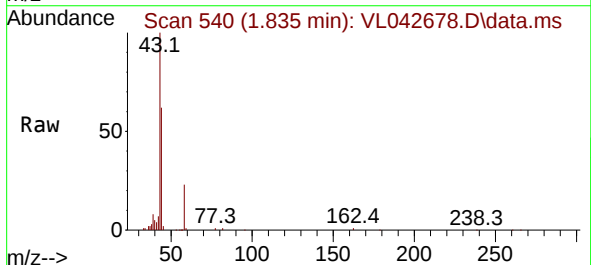
Manual Integrations
APPROVED

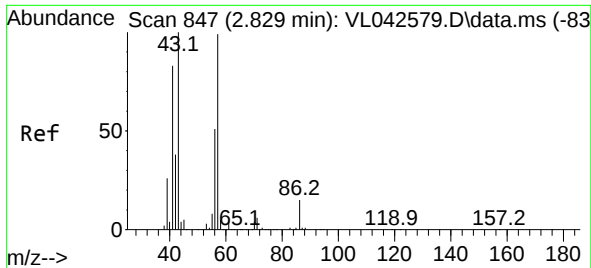
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#15
Acetone
Concen: 0.667 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL042678.D
Acq: 27 Jun 2025 14:36

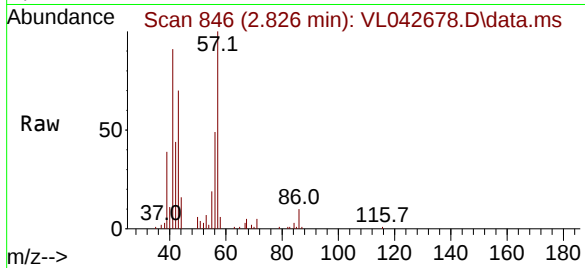
Tgt Ion: 43 Resp: 8986
Ion Ratio Lower Upper
43 100
58 28.1 21.0 31.4





#26
Hexane
Concen: 0.503 ppbv
RT: 2.826 min Scan# 841
Delta R.T. -0.003 min
Lab File: VL042678.D
Acq: 27 Jun 2025 14:36

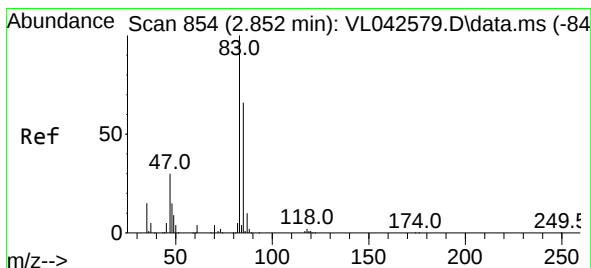
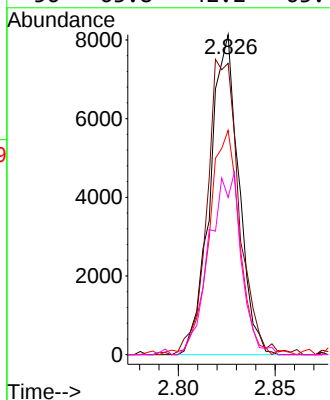
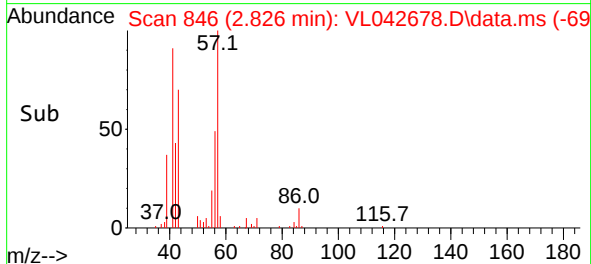
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 57 Resp: 841
Ion Ratio Lower Upper
57 100
41 102.6 70.6 106.0
43 74.6 181.1 271.7
56 63.8 42.2 63.4#

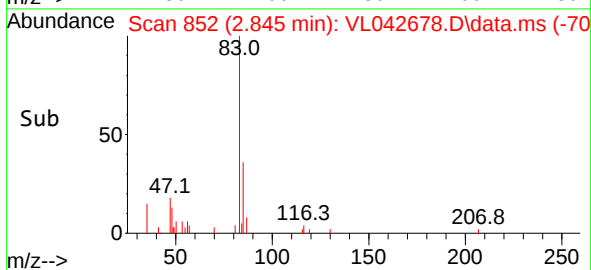
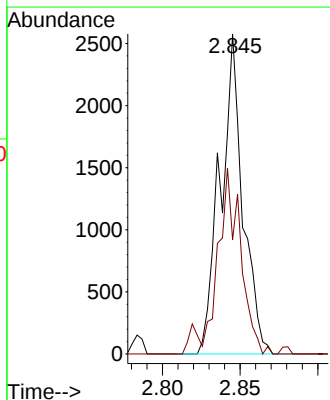
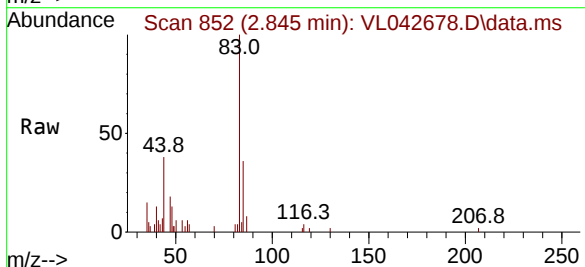
Manual Integrations
APPROVED

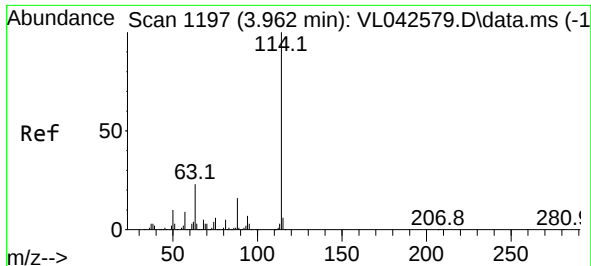
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#29
Chloroform
Concen: 0.119 ppbv m
RT: 2.845 min Scan# 852
Delta R.T. -0.007 min
Lab File: VL042678.D
Acq: 27 Jun 2025 14:36

Tgt Ion: 83 Resp: 2597
Ion Ratio Lower Upper
83 100
85 35.7 52.8 79.2#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. -0.010 min

Lab File: VL042678.D

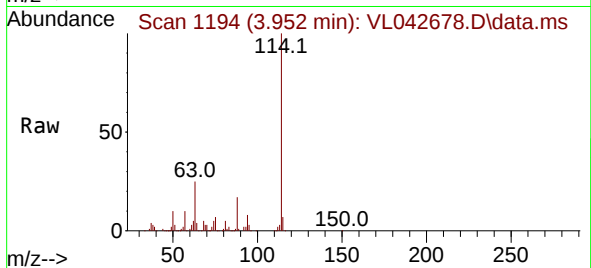
Acq: 27 Jun 2025 14:36

Instrument :

MSVOA_L

ClientSampleId :

SV1DL



Tgt Ion:114 Resp: 286704

Ion Ratio Lower Upper

114 100

63 24.8 19.0 28.6

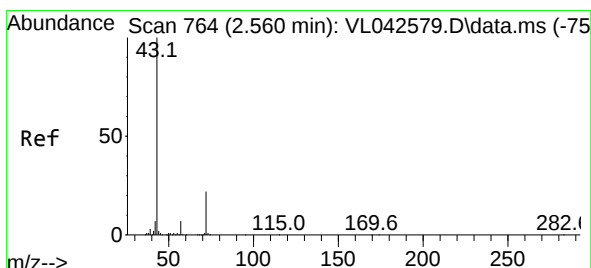
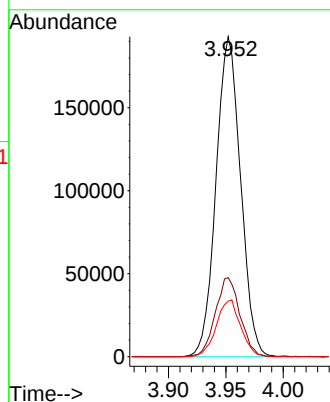
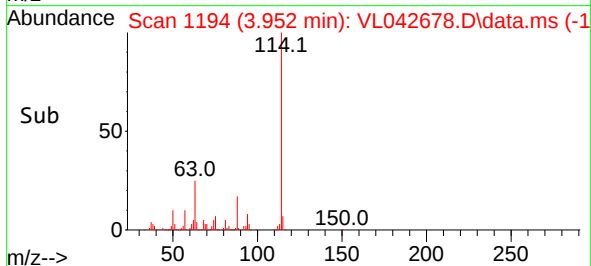
88 17.6 13.6 20.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025

Supervised By :Mahesh Dadoda 06/30/2025



#34

2-Butanone

Concen: 0.371 ppbv

RT: 2.557 min Scan# 763

Delta R.T. -0.003 min

Lab File: VL042678.D

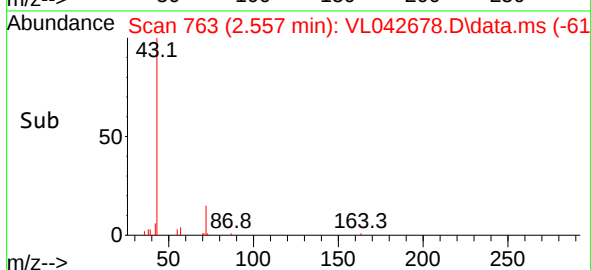
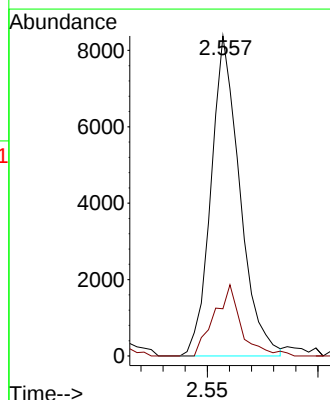
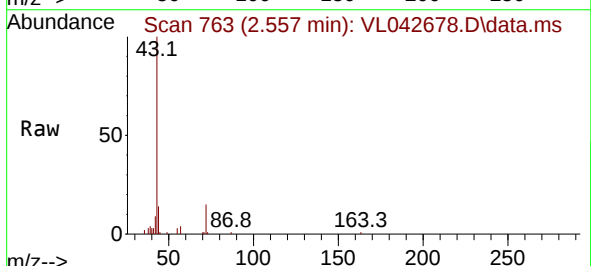
Acq: 27 Jun 2025 14:36

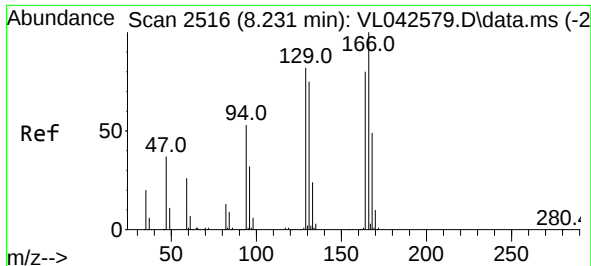
Tgt Ion: 43 Resp: 7592

Ion Ratio Lower Upper

43 100

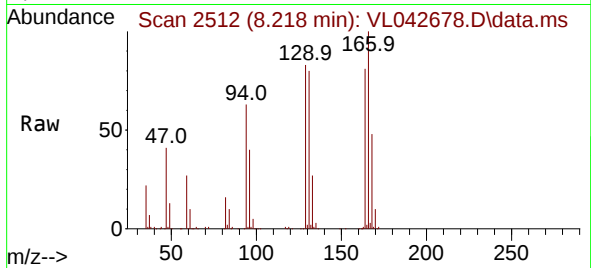
72 20.8 17.7 26.5





#52
Tetrachloroethene
Concen: 11.008 ppbv
RT: 8.218 min Scan# 2114
Delta R.T. -0.013 min
Lab File: VL042678.D
Acq: 27 Jun 2025 14:36

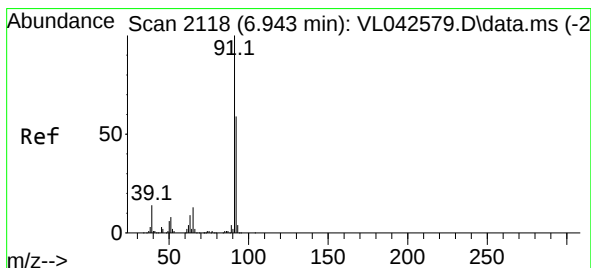
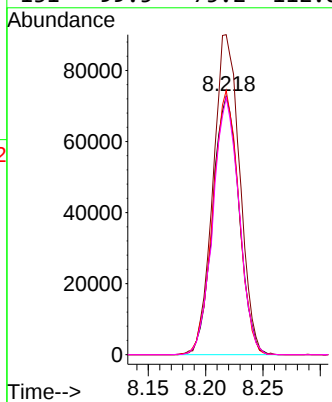
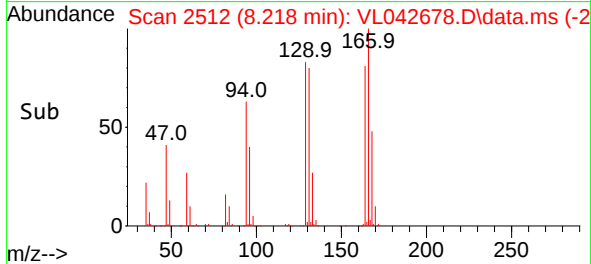
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion:164 Resp: 11613
Ion Ratio Lower Upper
164 100
166 123.8 100.0 150.0
129 102.2 82.2 123.4
131 99.5 75.2 112.8

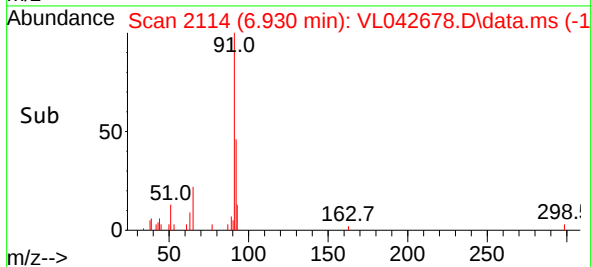
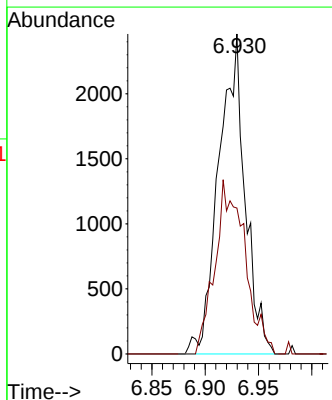
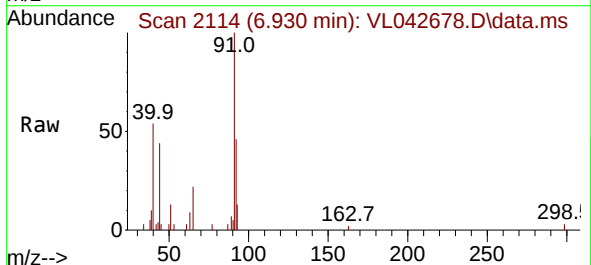
Manual Integrations
APPROVED

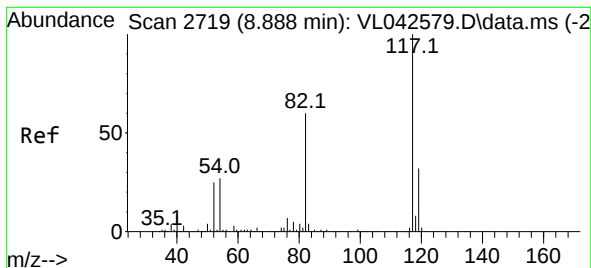
Reviewed By :Semsettin Yesilyurt 06/30/2025
Supervised By :Mahesh Dadoda 06/30/2025



#53
Toluene
Concen: 0.129 ppbv m
RT: 6.930 min Scan# 2114
Delta R.T. -0.013 min
Lab File: VL042678.D
Acq: 27 Jun 2025 14:36

Tgt Ion: 91 Resp: 4217
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 21

Delta R.T. -0.013 min

Lab File: VL042678.D

Acq: 27 Jun 2025 14:36

Instrument :

MSVOA_L

ClientSampleId :

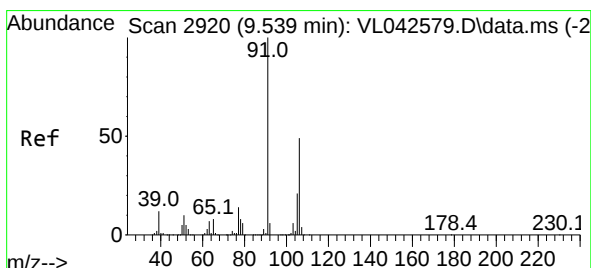
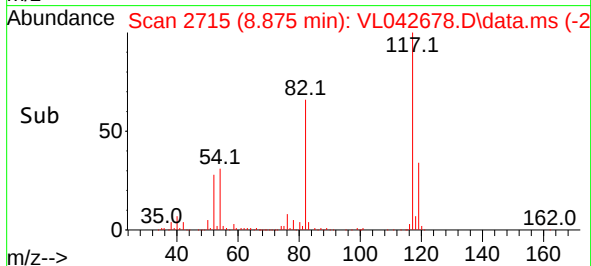
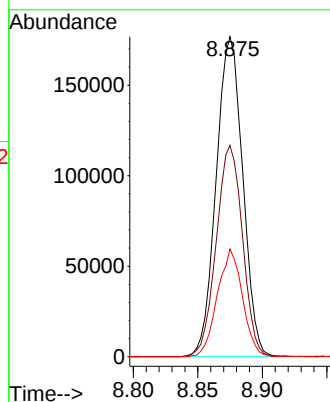
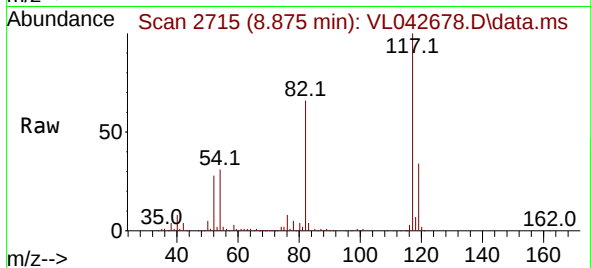
SV1DL

Tgt Ion:117 Resp: 25287
 Ion Ratio Lower Upper
 117 100
 82 65.2 51.2 76.8
 119 31.9 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025



#59

m/p-Xylene

Concen: 0.120 ppbv m

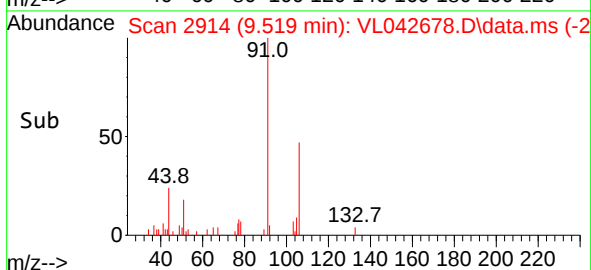
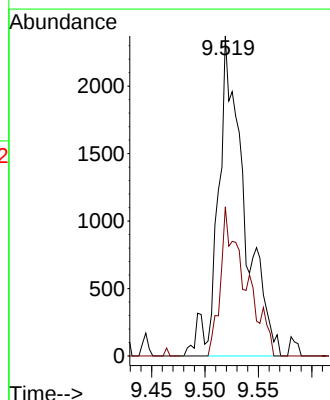
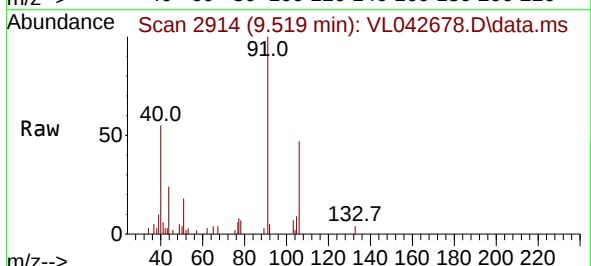
RT: 9.519 min Scan# 2914

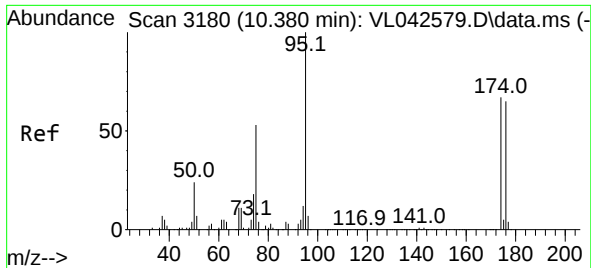
Delta R.T. -0.020 min

Lab File: VL042678.D

Acq: 27 Jun 2025 14:36

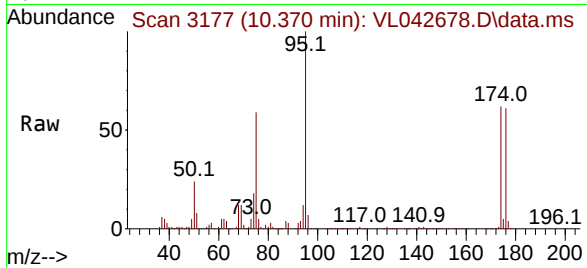
Tgt Ion: 91 Resp: 4036
 Ion Ratio Lower Upper
 91 100
 106 44.0 38.8 58.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.720 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. -0.010 min
 Lab File: VL042678.D
 Acq: 27 Jun 2025 14:36

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL



Tgt Ion: 95 Resp: 203210
 Ion Ratio Lower Upper
 95 100
 174 61.9 53.1 79.7
 175 4.6 4.2 6.2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/30/2025
 Supervised By :Mahesh Dadoda 06/30/2025

