

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
 Data File : VL042136.D
 Acq On : 10 Mar 2025 21:07
 Operator : SY/MD
 Sample : Q1533-01DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 03/11/2025
 Supervised By :Mahesh Dadoda 03/11/2025

Quant Time: Mar 11 01:31:40 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Wed Feb 26 01:08:36 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	154320	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.975	114	359394	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.898	117	323564	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	271797	10.919	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.200%
Target Compounds						
9) Propene	1.489	41	3247	0.355	ppbv	92
13) Ethanol	1.729	45	3128	5.393	ppbv	83
15) Acetone	1.842	43	60932	4.471	ppbv	98
19) Isopropyl Alcohol	1.894	45	4776	0.610	ppbv #	1
20) Methylene Chloride	2.072	84	1415	0.274	ppbv #	57
26) Hexane	2.839	57	9270	0.420	ppbv #	31
34) 2-Butanone	2.573	43	6877	0.246	ppbv	98
52) Tetrachloroethene	8.247	164	11358m	0.882	ppbv	
53) Toluene	6.962	91	9604m	0.228	ppbv	
59) m/p-Xylene	9.552	91	6225m	0.131	ppbv	

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

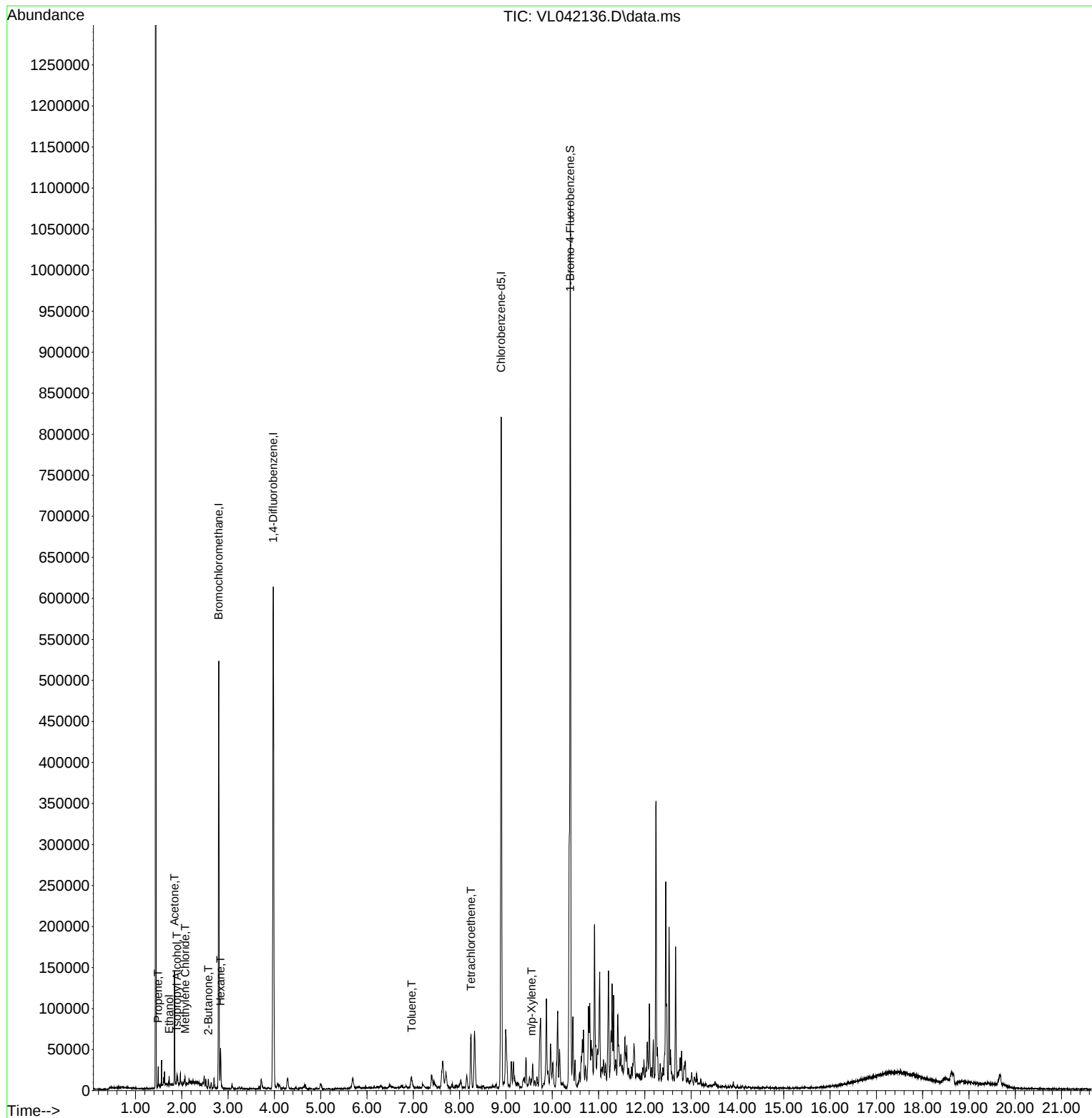
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL031025\
Data File : VL042136.D
Acq On : 10 Mar 2025 21:07
Operator : SY/MD
Sample : Q1533-01DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

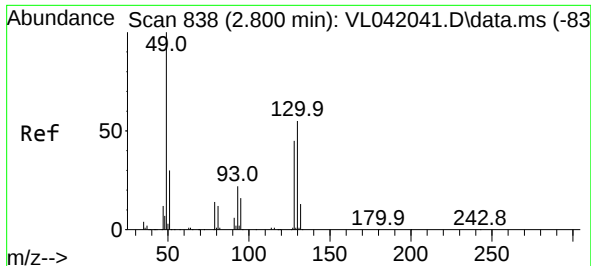
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

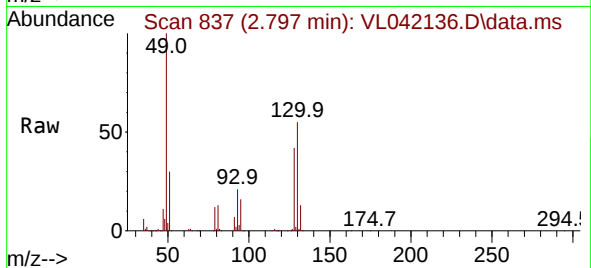
Quant Time: Mar 11 01:31:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL022525AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 26 01:08:36 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL042136.D
Acq: 10 Mar 2025 21:07

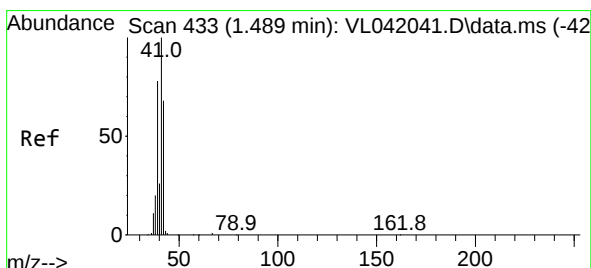
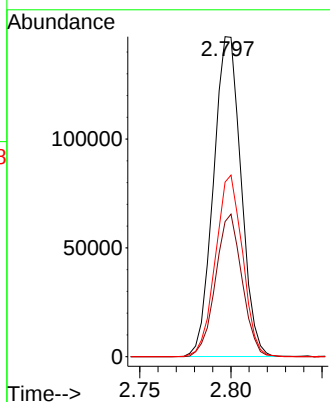
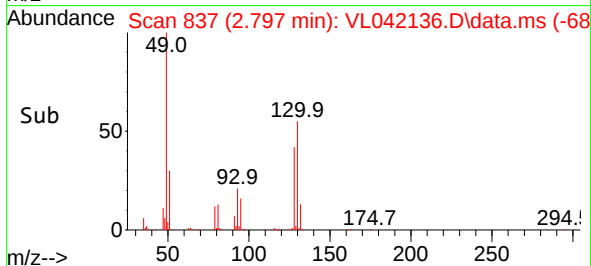
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 49 Resp: 154320
Ion Ratio Lower Upper
49 100
128 42.8 21.6 64.8
130 55.7 27.8 83.4

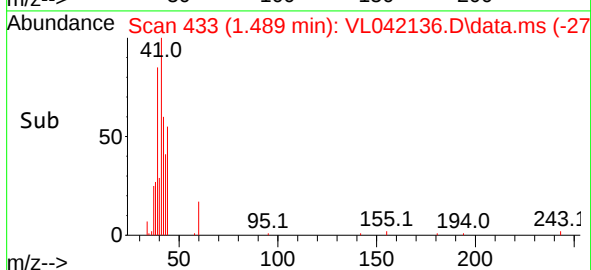
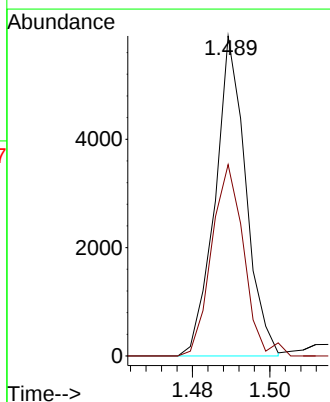
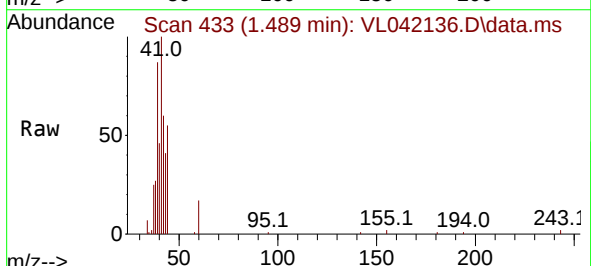
Manual Integrations
APPROVED

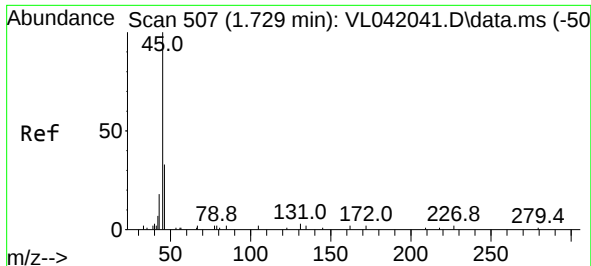
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#9
Propene
Concen: 0.355 ppbv
RT: 1.489 min Scan# 433
Delta R.T. -0.000 min
Lab File: VL042136.D
Acq: 10 Mar 2025 21:07

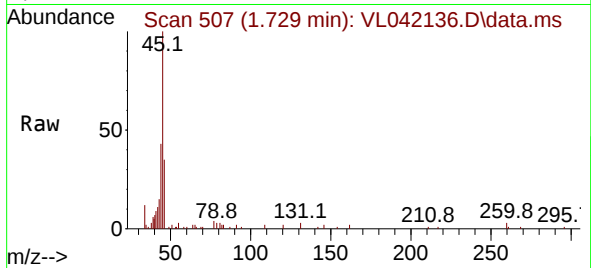
Tgt Ion: 41 Resp: 3247
Ion Ratio Lower Upper
41 100
42 63.2 55.8 83.6





#13
Ethanol
Concen: 5.393 ppbv
RT: 1.729 min Scan# 507
Delta R.T. 0.000 min
Lab File: VL042136.D
Acq: 10 Mar 2025 21:07

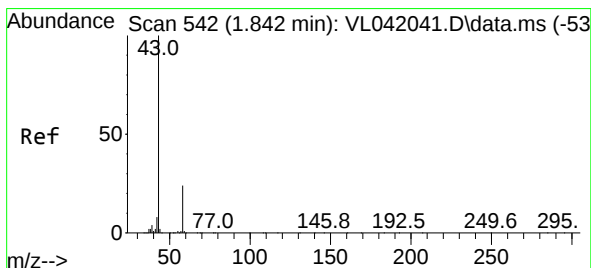
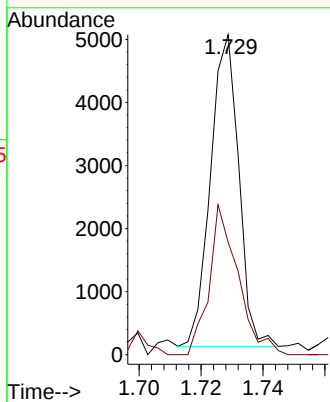
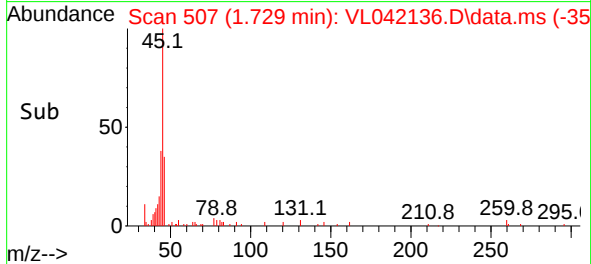
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 45 Resp: 3128
Ion Ratio Lower Upper
45 100
46 53.5 17.1 68.3

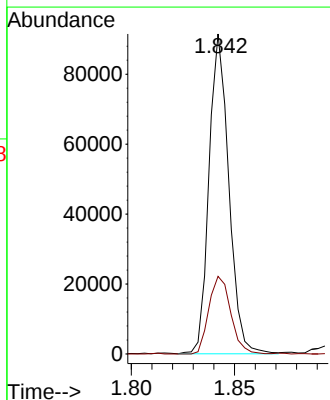
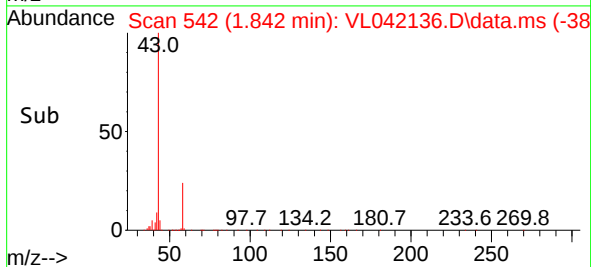
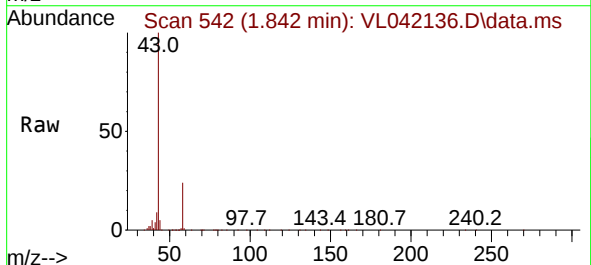
Manual Integrations
APPROVED

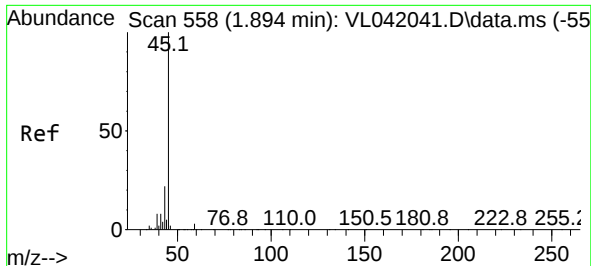
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#15
Acetone
Concen: 4.471 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.000 min
Lab File: VL042136.D
Acq: 10 Mar 2025 21:07

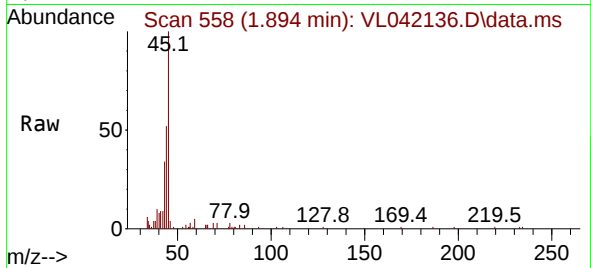
Tgt Ion: 43 Resp: 60932
Ion Ratio Lower Upper
43 100
58 27.1 20.7 31.1





#19
Isopropyl Alcohol
Concen: 0.610 ppbv
RT: 1.894 min Scan# 558
Delta R.T. 0.000 min
Lab File: VL042136.D
Acq: 10 Mar 2025 21:07

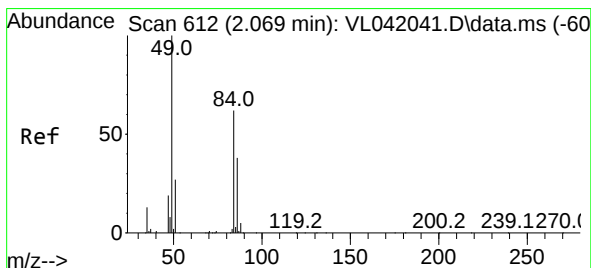
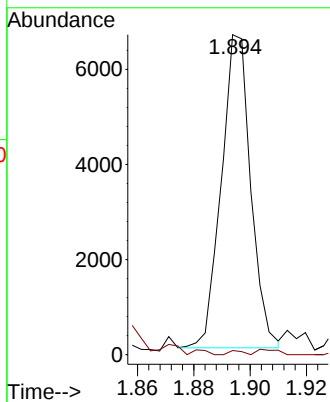
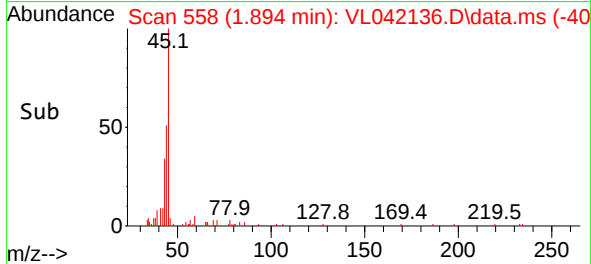
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



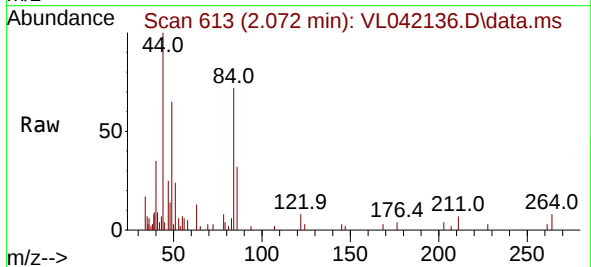
Tgt Ion: 45 Resp: 4770
Ion Ratio Lower Upper
45 100
58 343.6 35.3 52.9

Manual Integrations
APPROVED

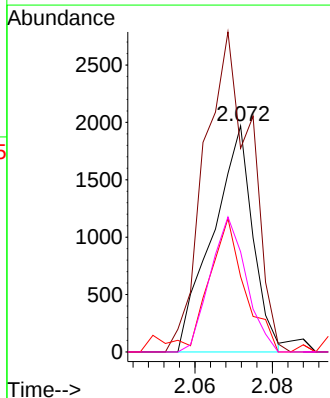
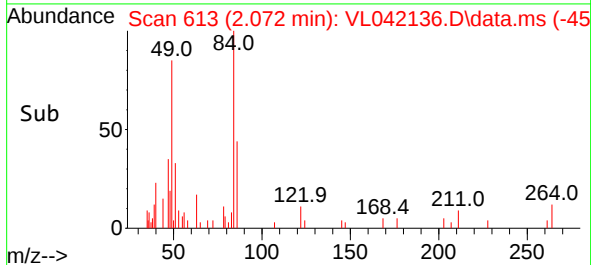
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025

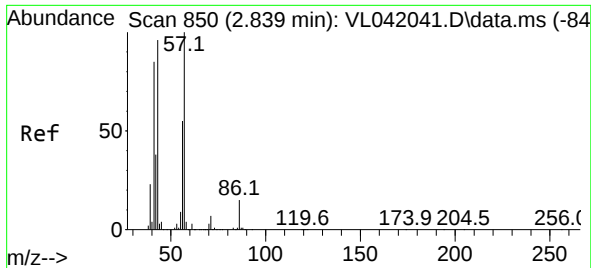


#20
Methylene Chloride
Concen: 0.274 ppbv
RT: 2.072 min Scan# 613
Delta R.T. 0.003 min
Lab File: VL042136.D
Acq: 10 Mar 2025 21:07



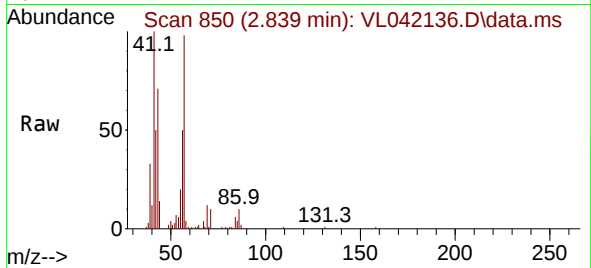
Tgt Ion: 84 Resp: 1415
Ion Ratio Lower Upper
84 100
49 86.5 130.0 195.0#
51 30.3 37.4 56.0#
86 44.3 48.6 72.8#





#26
Hexane
Concen: 0.420 ppbv
RT: 2.839 min Scan# 850
Delta R.T. 0.000 min
Lab File: VL042136.D
Acq: 10 Mar 2025 21:07

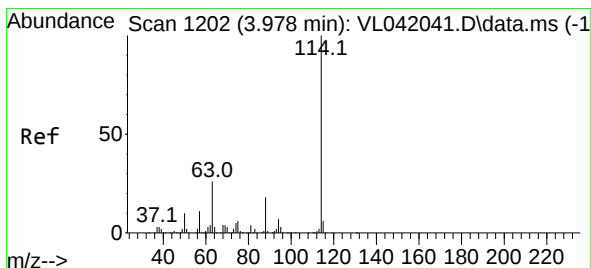
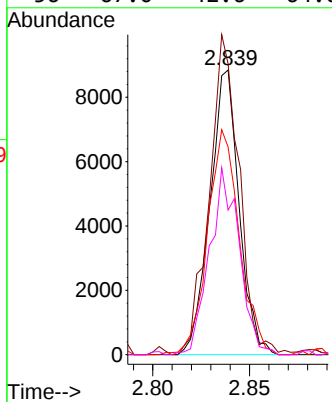
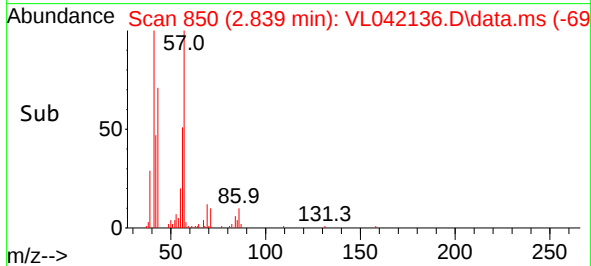
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 57 Resp: 9270
Ion Ratio Lower Upper
57 100
41 118.0 70.6 106.0
43 86.3 199.4 299.0
56 67.0 42.6 64.0

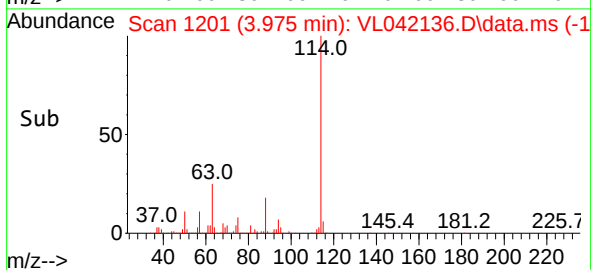
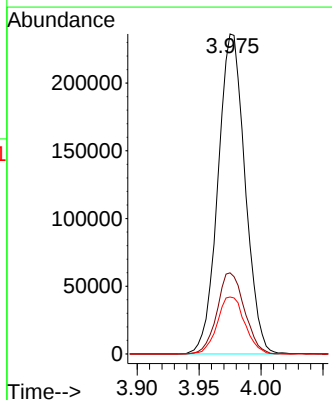
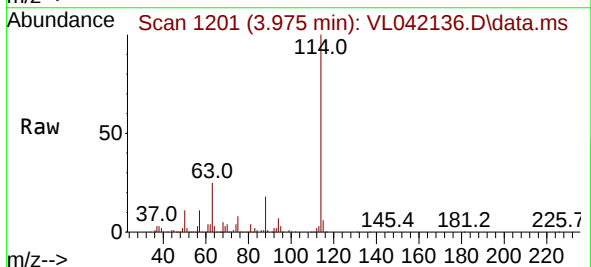
Manual Integrations
APPROVED

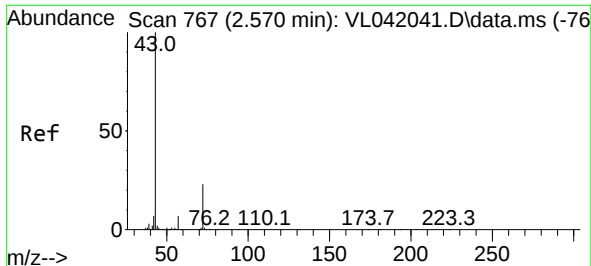
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.975 min Scan# 1201
Delta R.T. -0.003 min
Lab File: VL042136.D
Acq: 10 Mar 2025 21:07

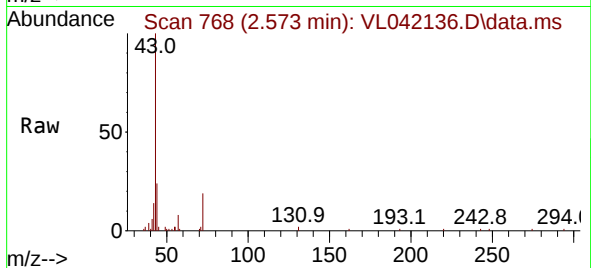
Tgt Ion:114 Resp: 359394
Ion Ratio Lower Upper
114 100
63 25.7 20.1 30.1
88 18.1 14.3 21.5





#34
2-Butanone
Concen: 0.246 ppbv
RT: 2.573 min Scan# 767
Delta R.T. 0.003 min
Lab File: VL042136.D
Acq: 10 Mar 2025 21:07

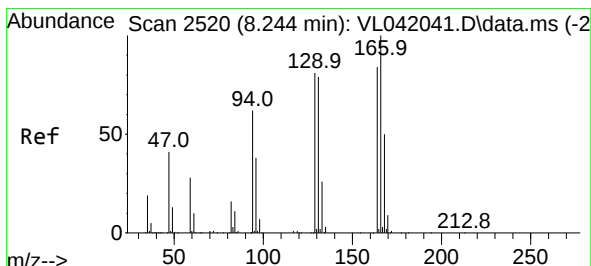
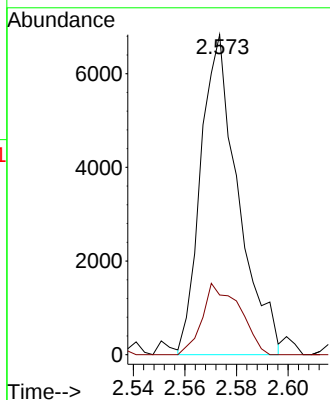
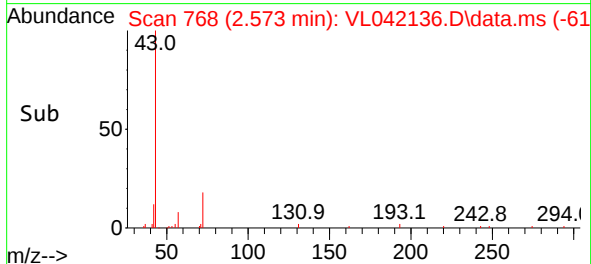
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 43 Resp: 687
Ion Ratio Lower Upper
43 100
72 22.3 18.5 27.7

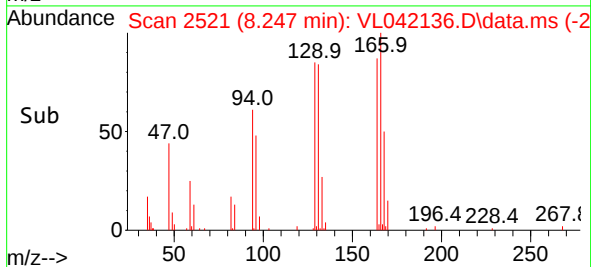
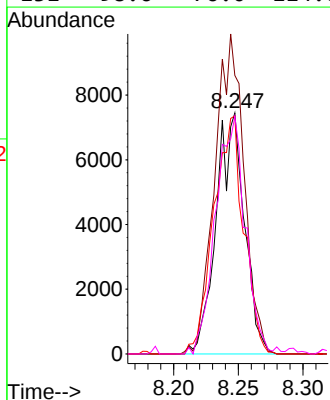
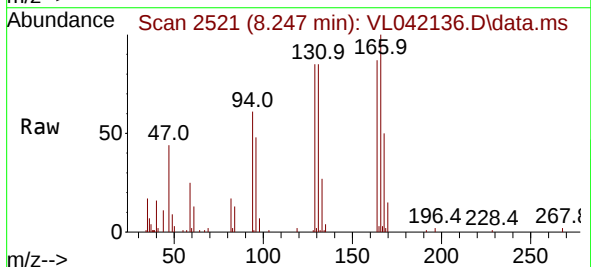
Manual Integrations
APPROVED

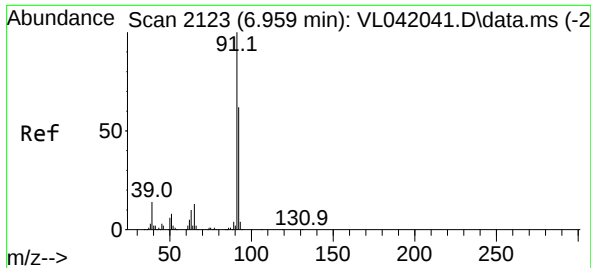
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#52
Tetrachloroethene
Concen: 0.882 ppbv m
RT: 8.247 min Scan# 2521
Delta R.T. 0.003 min
Lab File: VL042136.D
Acq: 10 Mar 2025 21:07

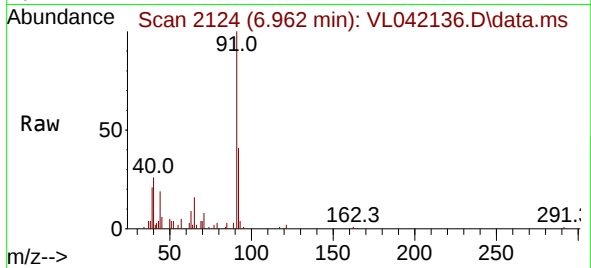
Tgt Ion:164 Resp: 11358
Ion Ratio Lower Upper
164 100
166 115.6 95.7 143.5
129 98.8 77.1 115.7
131 98.6 76.0 114.0





#53
Toluene
Concen: 0.228 ppbv m
RT: 6.962 min Scan# 2124
Delta R.T. 0.003 min
Lab File: VL042136.D
Acq: 10 Mar 2025 21:07

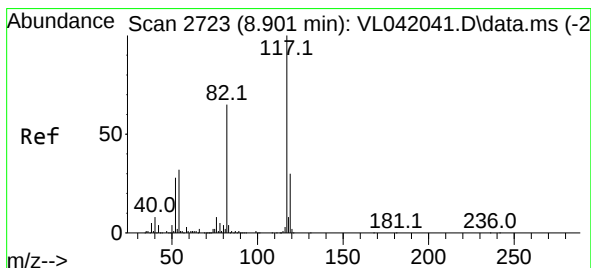
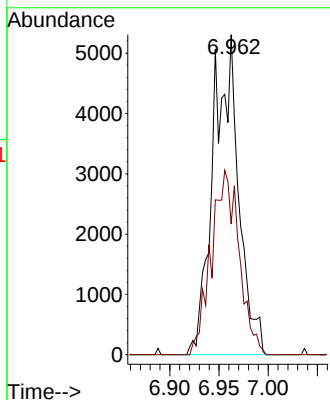
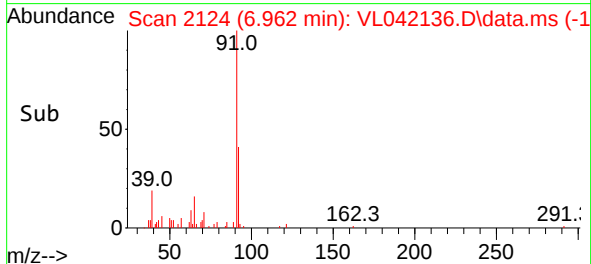
Instrument :
MSVOA_L
ClientSampleId :
SV1DL



Tgt Ion: 91 Resp: 9604
Ion Ratio Lower Upper
91 100
92 0.0 49.0 73.6

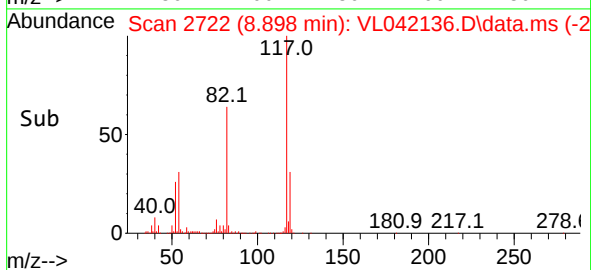
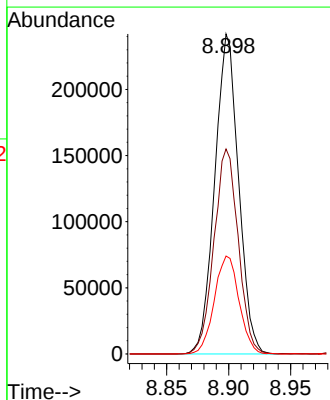
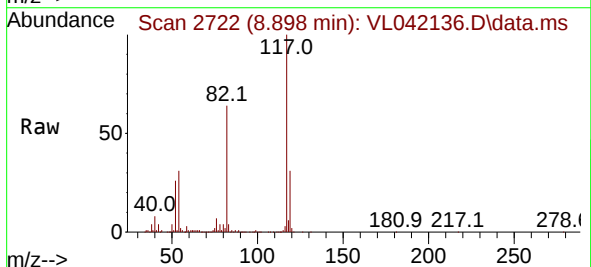
Manual Integrations
APPROVED

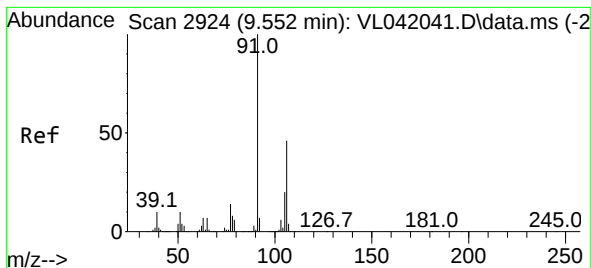
Reviewed By :Semsettin Yesilyurt 03/11/2025
Supervised By :Mahesh Dadoda 03/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.898 min Scan# 2722
Delta R.T. -0.003 min
Lab File: VL042136.D
Acq: 10 Mar 2025 21:07

Tgt Ion:117 Resp: 323564
Ion Ratio Lower Upper
117 100
82 65.3 55.0 82.6
119 31.9 25.9 38.9





#59

m/p-Xylene

Concen: 0.131 ppbv m

RT: 9.552 min Scan# 2924

Delta R.T. -0.000 min

Lab File: VL042136.D

Acq: 10 Mar 2025 21:07

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion: 91 Resp: 6225

Ion Ratio Lower Upper

91 100

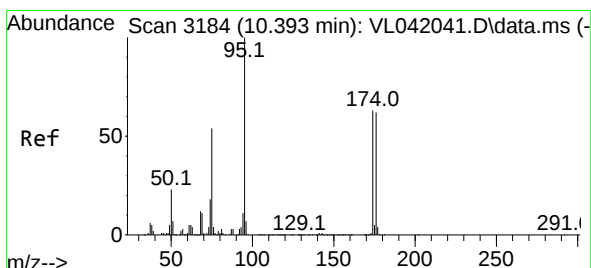
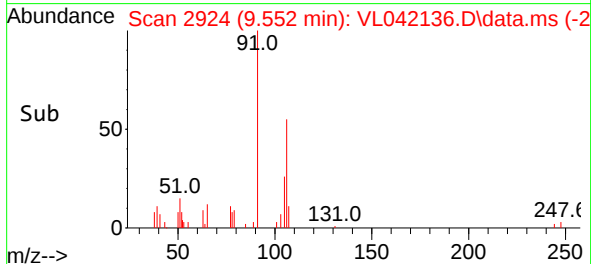
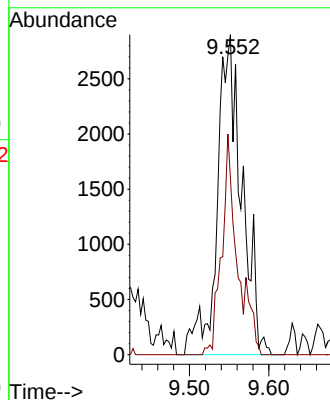
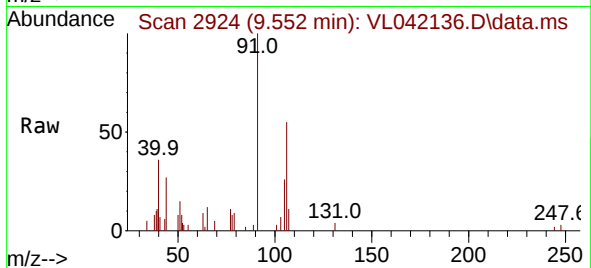
106 44.2 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/11/2025

Supervised By :Mahesh Dadoda 03/11/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.919 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. -0.003 min

Lab File: VL042136.D

Acq: 10 Mar 2025 21:07

Tgt Ion: 95 Resp: 271797

Ion Ratio Lower Upper

95 100

174 64.3 51.8 77.6

175 4.5 3.9 5.9

