

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
 Data File : VL042737.D
 Acq On : 22 Jul 2025 18:51
 Operator : SY/MD
 Sample : Q2617-02DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
 Supervised By :Mahesh Dadoda 07/23/2025

Quant Time: Jul 23 03:04:36 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 23 2025
 QLast Update : Wed Jul 23 02:51:39 2025
 Response via : Initial Calibration

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

Internal Standards							
1) Bromochloromethane		2.797	49	106221	10.000	ppbv	0.00
33) 1,4-Difluorobenzene		3.968	114	326460	10.000	ppbv	0.01
55) Chlorobenzene-d5		8.882	117	282865	10.000	ppbv	0.00
System Monitoring Compounds							
68) 1-Bromo-4-Fluorobenzene		10.377	95	230148	10.067	ppbv	0.00
Spiked Amount		10.000	Range 65 - 135		Recovery	= 100.700%	
Target Compounds							
							Qvalue
9) Propene		1.479	41	17731m	2.665	ppbv	
13) Ethanol		1.729	45	3210m	2.868	ppbv	
15) Acetone		1.842	43	30065m	1.690	ppbv	
20) Methylene Chloride		2.068	84	2789m	0.499	ppbv	
22) trans-1,2-Dichloroethene		2.356	96	1397m	0.214	ppbv	
24) 1,1-Dichloroethane		2.418	63	2513	0.193	ppbv	# 94
26) Hexane		2.835	57	2080m	0.144	ppbv	
34) 2-Butanone		2.570	43	3139	0.140	ppbv	98
53) Toluene		6.936	91	3789m	0.111	ppbv	
59) m/p-Xylene		9.529	91	4058m	0.107	ppbv	

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

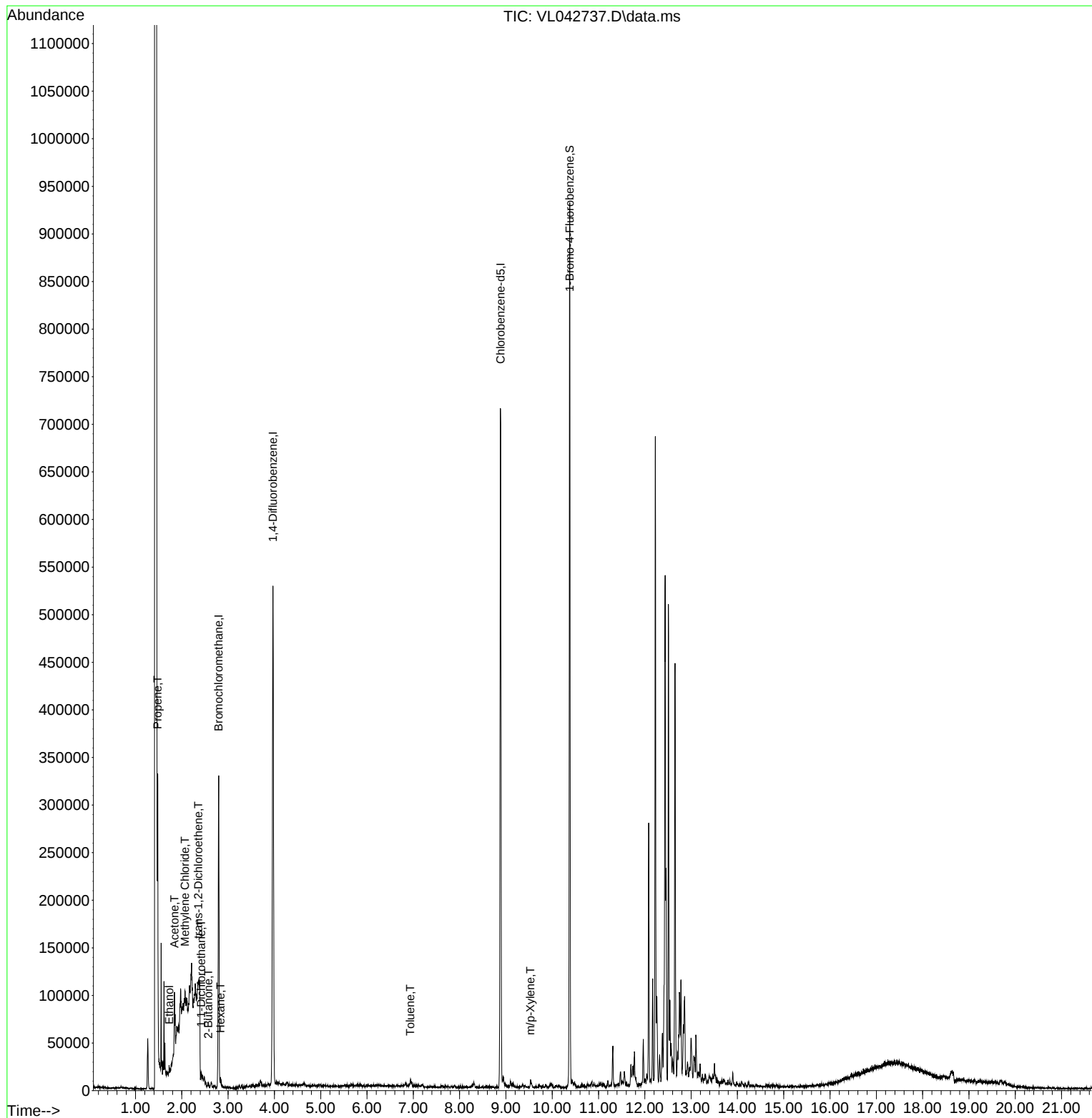
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL072225\
Data File : VL042737.D
Acq On : 22 Jul 2025 18:51
Operator : SY/MD
Sample : Q2617-02DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

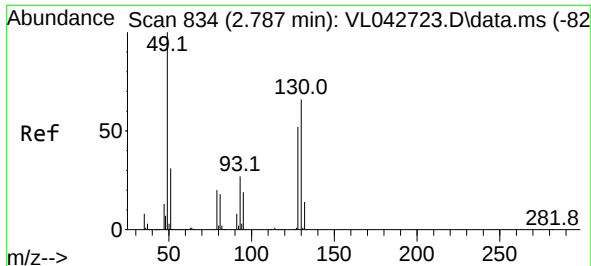
Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Manual Integrations
APPROVED

Reviewed By : Semsettin Yesilyurt 07/23/2025
Supervised By : Mahesh Dadoda 07/23/2025

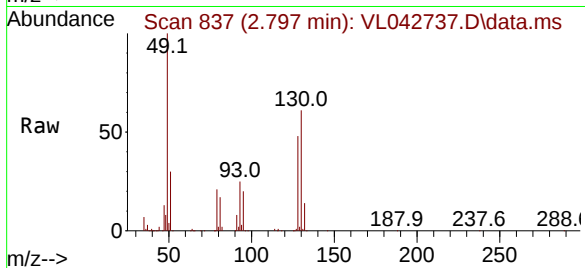
Quant Time: Jul 23 03:04:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL072225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Jul 23 02:51:39 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL042737.D
Acq: 22 Jul 2025 18:51

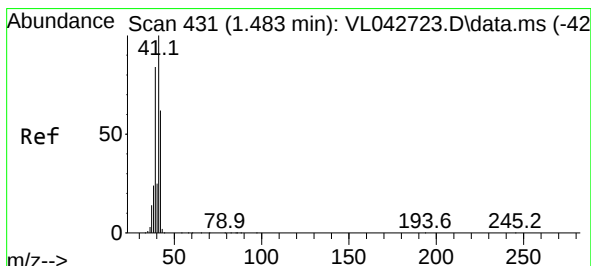
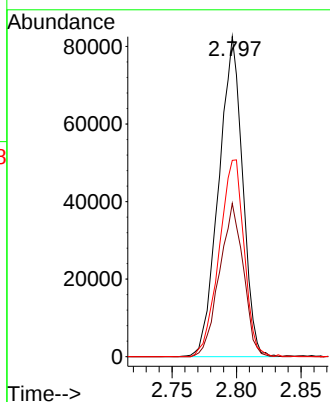
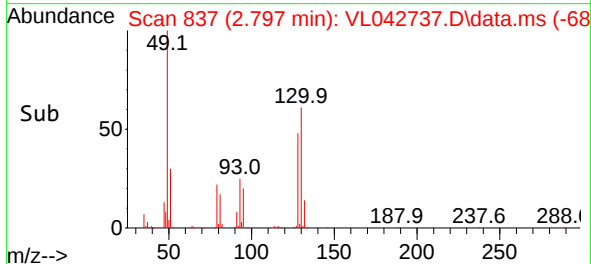
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 49 Resp: 10622
Ion Ratio Lower Upper
49 100
128 47.8 24.5 73.5
130 64.3 31.7 95.1

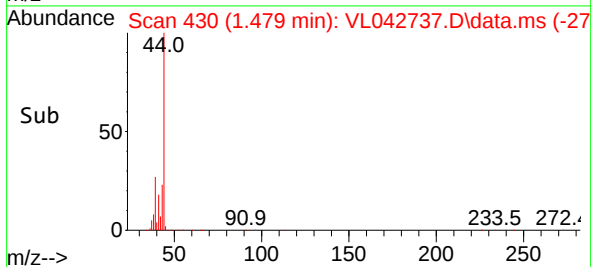
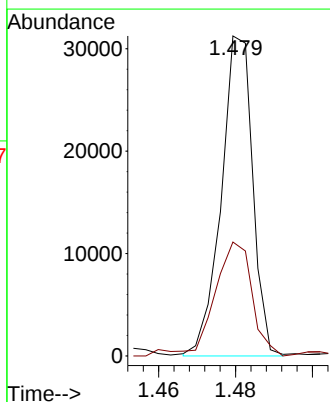
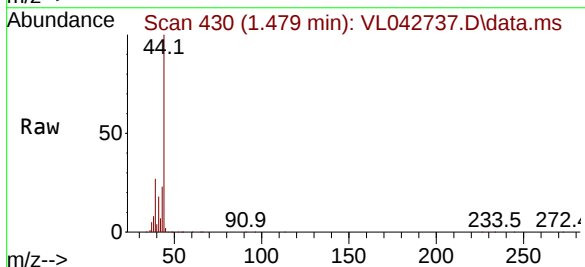
Manual Integrations
APPROVED

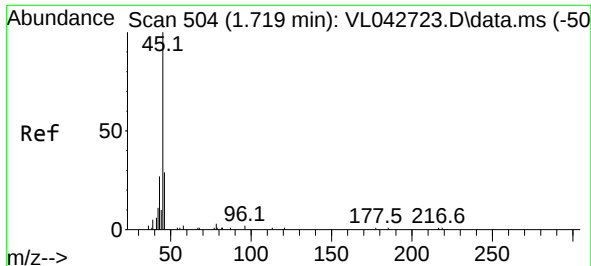
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#9
Propene
Concen: 2.665 ppbv m
RT: 1.479 min Scan# 430
Delta R.T. -0.003 min
Lab File: VL042737.D
Acq: 22 Jul 2025 18:51

Tgt Ion: 41 Resp: 17731
Ion Ratio Lower Upper
41 100
42 30.7 52.0 78.0#





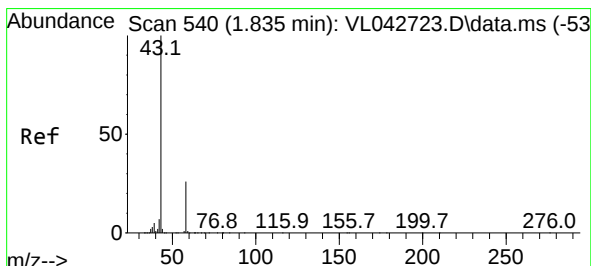
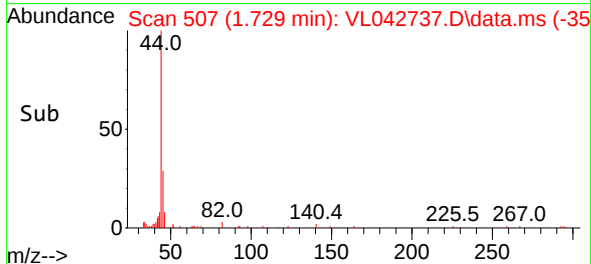
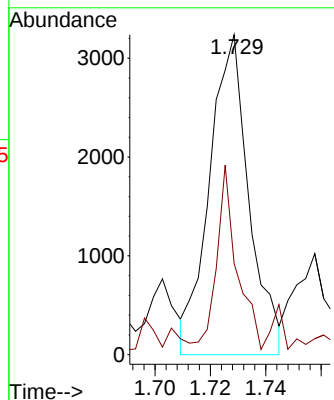
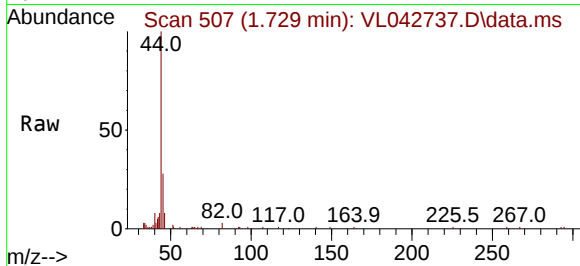
#13
Ethanol
Concen: 2.868 ppbv m
RT: 1.729 min Scan# 504
Delta R.T. 0.010 min
Lab File: VL042737.D
Acq: 22 Jul 2025 18:51

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 45 Resp: 3210
Ion Ratio Lower Upper
45 100
46 18976.9 16.3 65

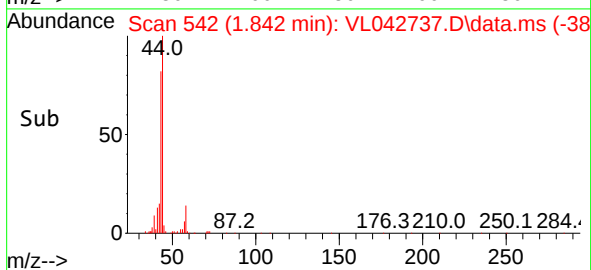
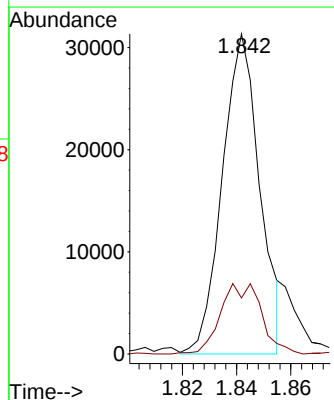
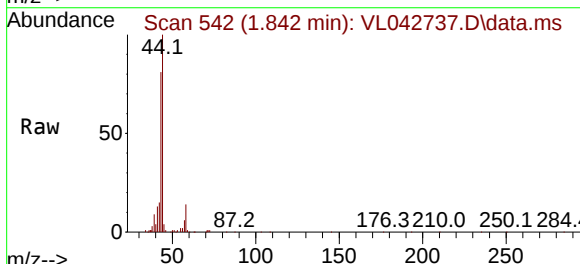
Manual Integrations
APPROVED

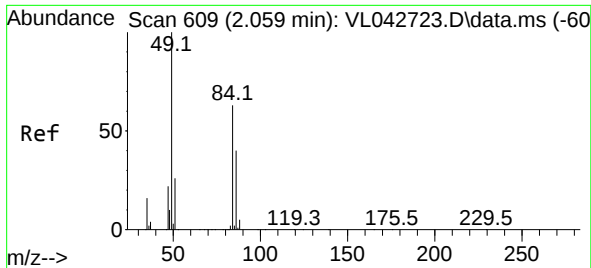
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#15
Acetone
Concen: 1.690 ppbv m
RT: 1.842 min Scan# 542
Delta R.T. 0.006 min
Lab File: VL042737.D
Acq: 22 Jul 2025 18:51

Tgt Ion: 43 Resp: 30065
Ion Ratio Lower Upper
43 100
58 24.6 20.5 30.7





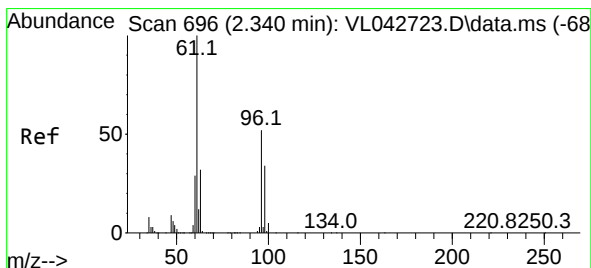
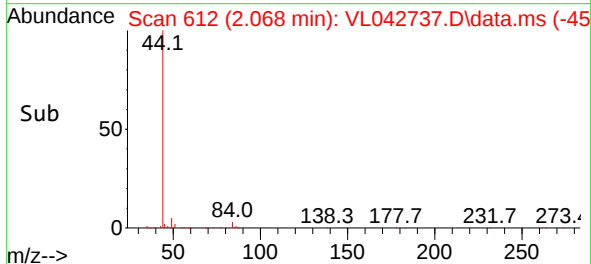
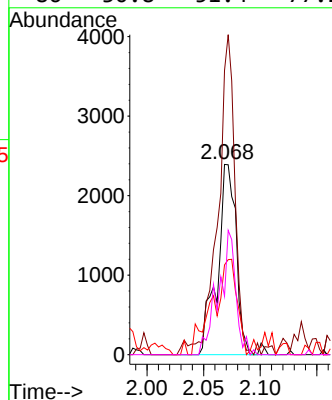
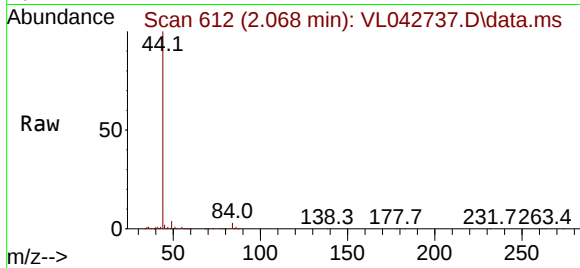
#20
Methylene Chloride
Concen: 0.499 ppbv m
RT: 2.068 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL042737.D
Acq: 22 Jul 2025 18:51

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 84 Resp: 2789
Ion Ratio Lower Upper
84 100
49 149.4 128.2 192.4
51 47.1 34.5 51.7
86 30.8 51.4 77.2#

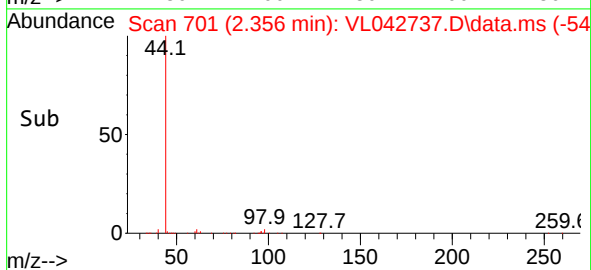
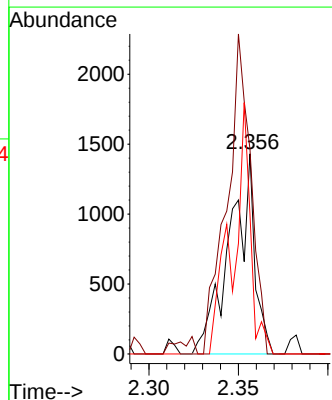
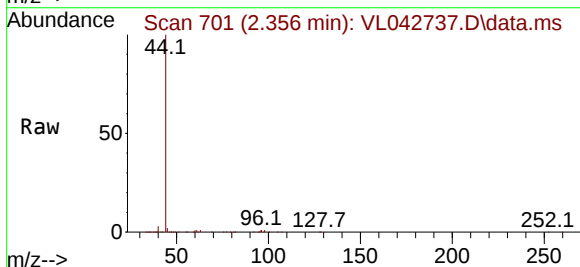
Manual Integrations
APPROVED

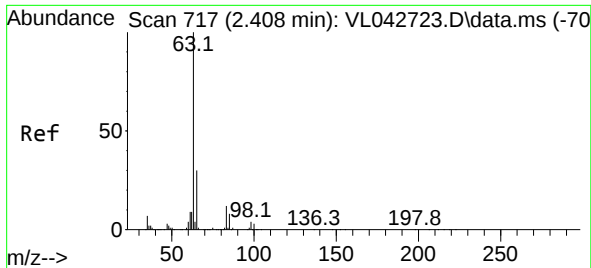
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#22
trans-1,2-Dichloroethene
Concen: 0.214 ppbv m
RT: 2.356 min Scan# 701
Delta R.T. 0.016 min
Lab File: VL042737.D
Acq: 22 Jul 2025 18:51

Tgt Ion: 96 Resp: 1397
Ion Ratio Lower Upper
96 100
61 202.3 154.6 232.0
98 138.3 53.1 79.7#





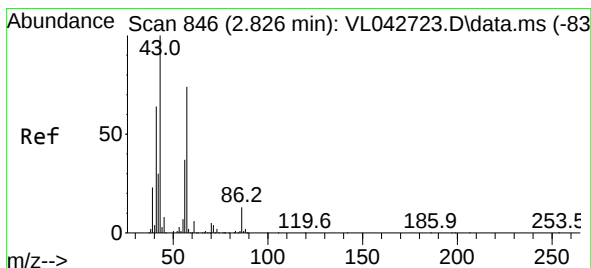
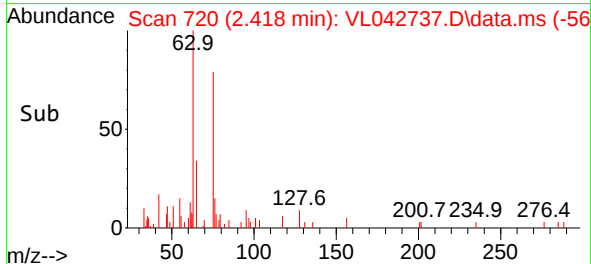
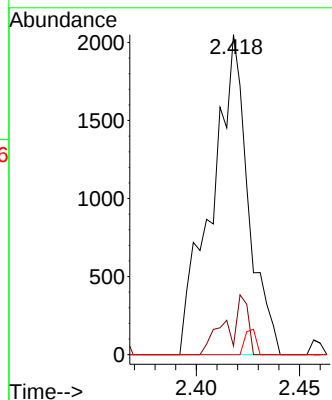
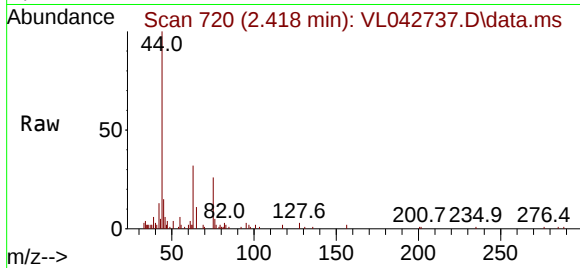
#24
1,1-Dichloroethane
Concen: 0.193 ppbv
RT: 2.418 min Scan# 717
Delta R.T. 0.010 min
Lab File: VL042737.D
Acq: 22 Jul 2025 18:51

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 63 Resp: 251
Ion Ratio Lower Upper
63 100
98 2.7 2.0 5.8
100 0.0 1.6 4.7

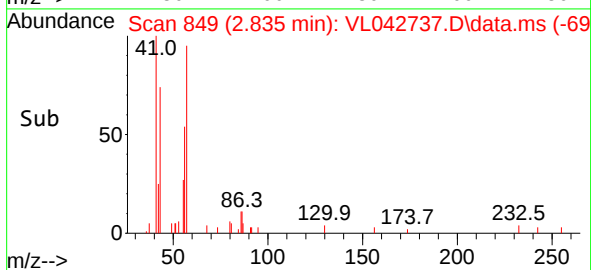
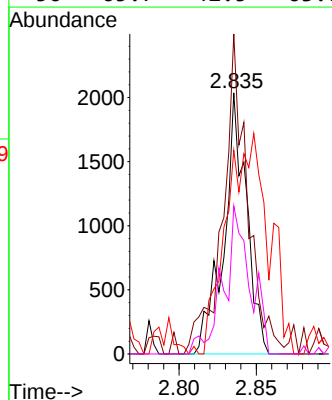
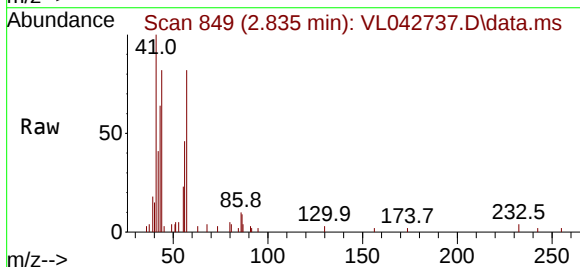
Manual Integrations
APPROVED

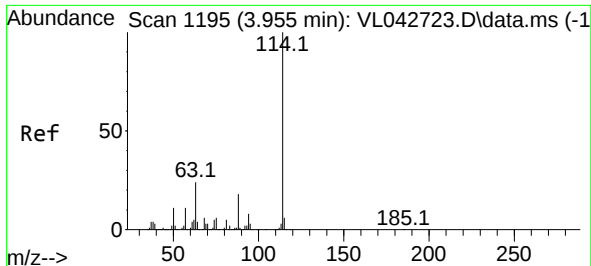
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#26
Hexane
Concen: 0.144 ppbv m
RT: 2.835 min Scan# 849
Delta R.T. 0.010 min
Lab File: VL042737.D
Acq: 22 Jul 2025 18:51

Tgt Ion: 57 Resp: 2080
Ion Ratio Lower Upper
57 100
41 135.8 77.3 115.9#
43 165.4 182.3 273.5#
56 65.7 42.5 63.7#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.013 min

Lab File: VL042737.D

Acq: 22 Jul 2025 18:51

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tgt Ion:114 Resp: 326460

Ion Ratio Lower Upper

114 100

63 26.3 20.4 30.6

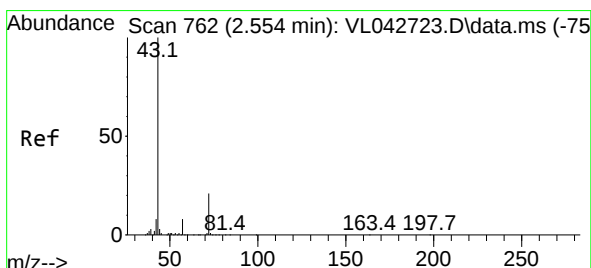
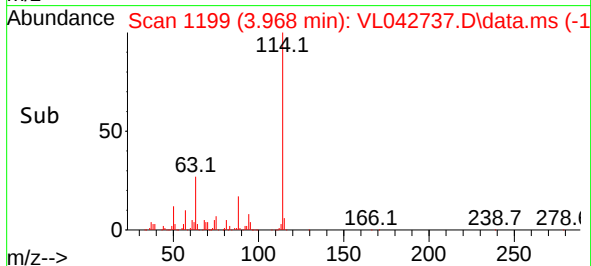
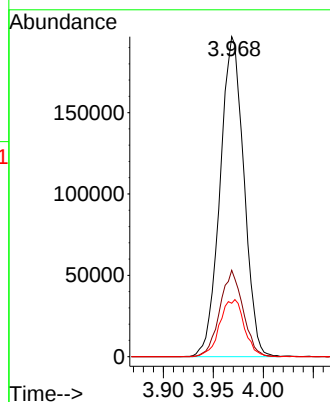
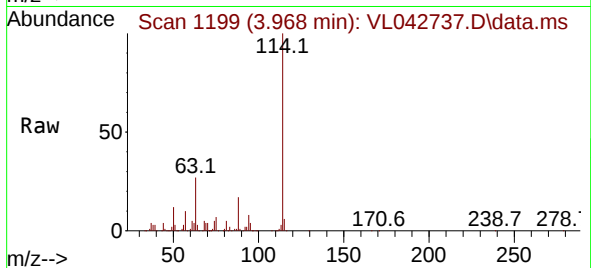
88 18.5 14.5 21.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025

Supervised By :Mahesh Dadoda 07/23/2025



#34

2-Butanone

Concen: 0.140 ppbv

RT: 2.570 min Scan# 767

Delta R.T. 0.016 min

Lab File: VL042737.D

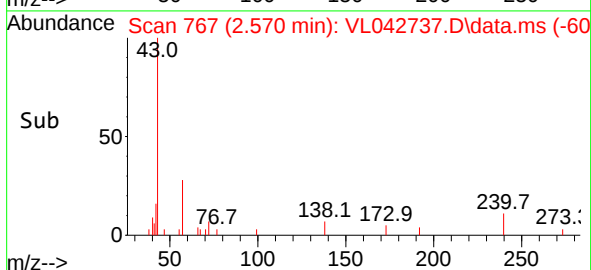
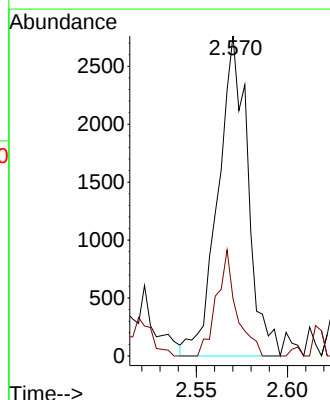
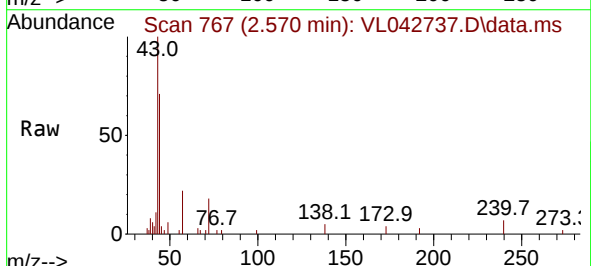
Acq: 22 Jul 2025 18:51

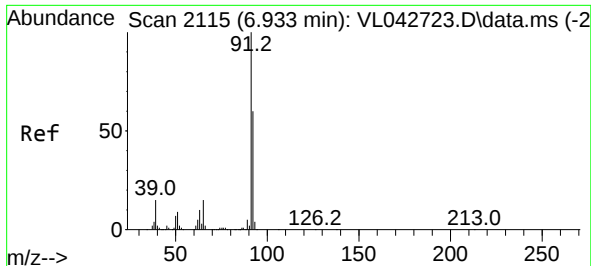
Tgt Ion: 43 Resp: 3139

Ion Ratio Lower Upper

43 100

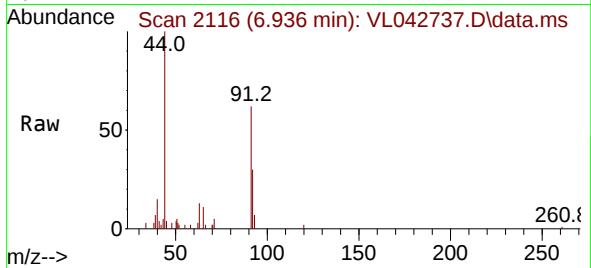
72 22.1 17.0 25.6





#53
Toluene
Concen: 0.111 ppbv m
RT: 6.936 min Scan# 2115
Delta R.T. 0.003 min
Lab File: VL042737.D
Acq: 22 Jul 2025 18:51

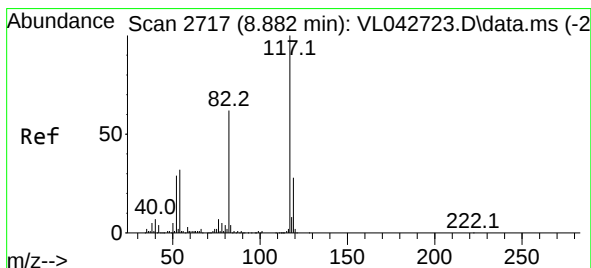
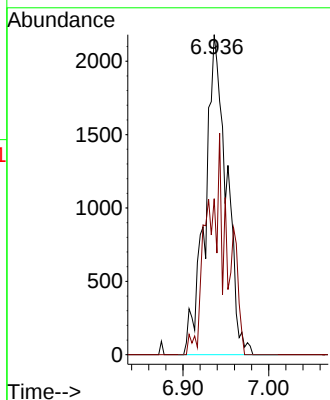
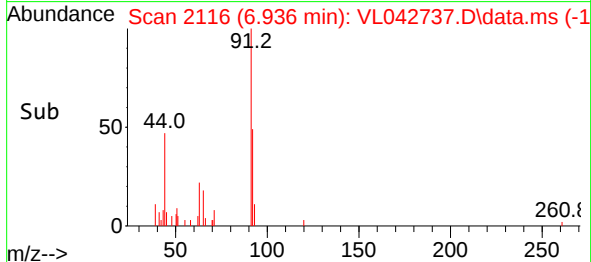
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 91 Resp: 3789
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.4

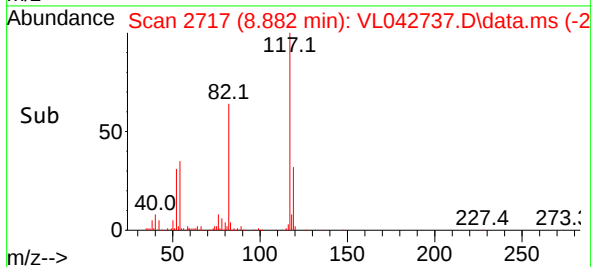
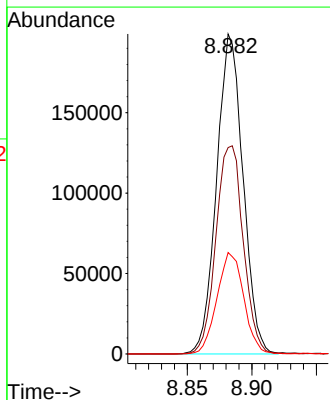
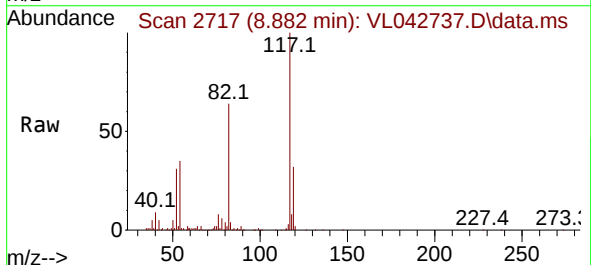
Manual Integrations
APPROVED

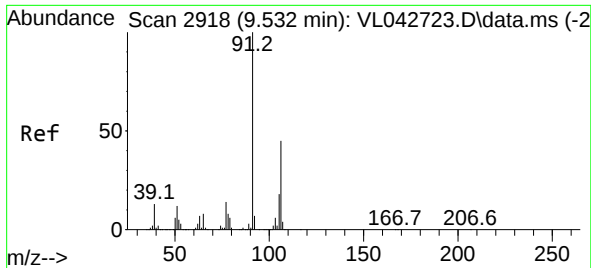
Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.882 min Scan# 2717
Delta R.T. 0.000 min
Lab File: VL042737.D
Acq: 22 Jul 2025 18:51

Tgt Ion:117 Resp: 282865
Ion Ratio Lower Upper
117 100
82 67.6 54.6 81.8
119 32.2 25.3 37.9





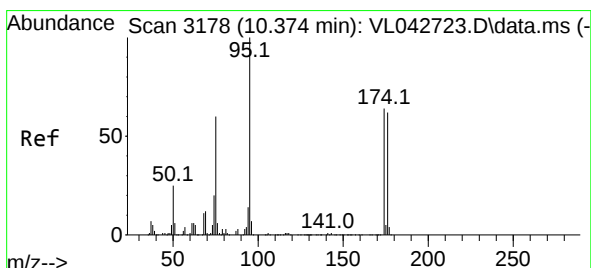
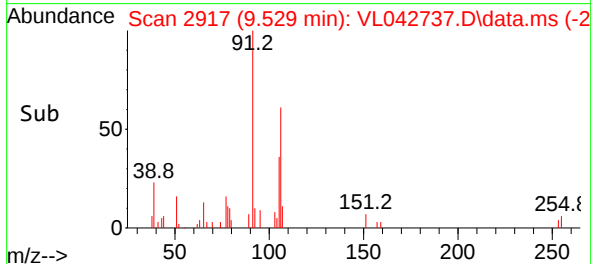
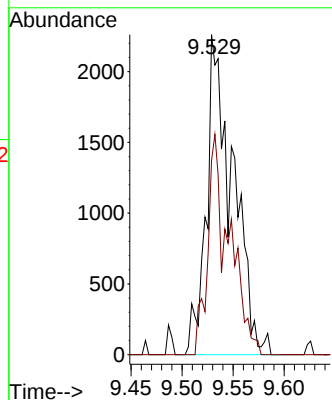
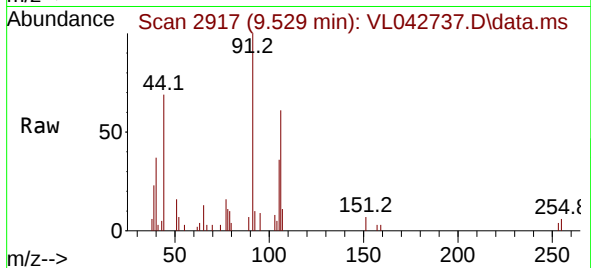
#59
m/p-Xylene
Concen: 0.107 ppbv m
RT: 9.529 min Scan# 2918
Delta R.T. -0.003 min
Lab File: VL042737.D
Acq: 22 Jul 2025 18:51

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 91 Resp: 4058
Ion Ratio Lower Upper
91 100
106 56.6 37.3 55.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/23/2025
Supervised By :Mahesh Dadoda 07/23/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.067 ppbv
RT: 10.377 min Scan# 3179
Delta R.T. 0.003 min
Lab File: VL042737.D
Acq: 22 Jul 2025 18:51

Tgt Ion: 95 Resp: 230148
Ion Ratio Lower Upper
95 100
174 62.9 51.4 77.2
175 4.6 4.2 6.4

