

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
 Data File : VL042947.D
 Acq On : 18 Sep 2025 15:50
 Operator : SY/MD
 Sample : Q3111-02DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Manual Integrations
 APPROVED

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

Quant Time: Sep 19 01:27:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Thu Sep 18 02:57:46 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.797	49	162782	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.972	114	398877	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.895	117	323651	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	238298	9.420	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.200%
Target Compounds						
					Qvalue	
9) Propene	1.489	41	5327m	0.596	ppbv	
13) Ethanol	1.725	45	14193	15.570	ppbv	94
15) Acetone	1.842	43	172481	8.627	ppbv	97
19) Isopropyl Alcohol	1.890	45	176815	16.494	ppbv #	97

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

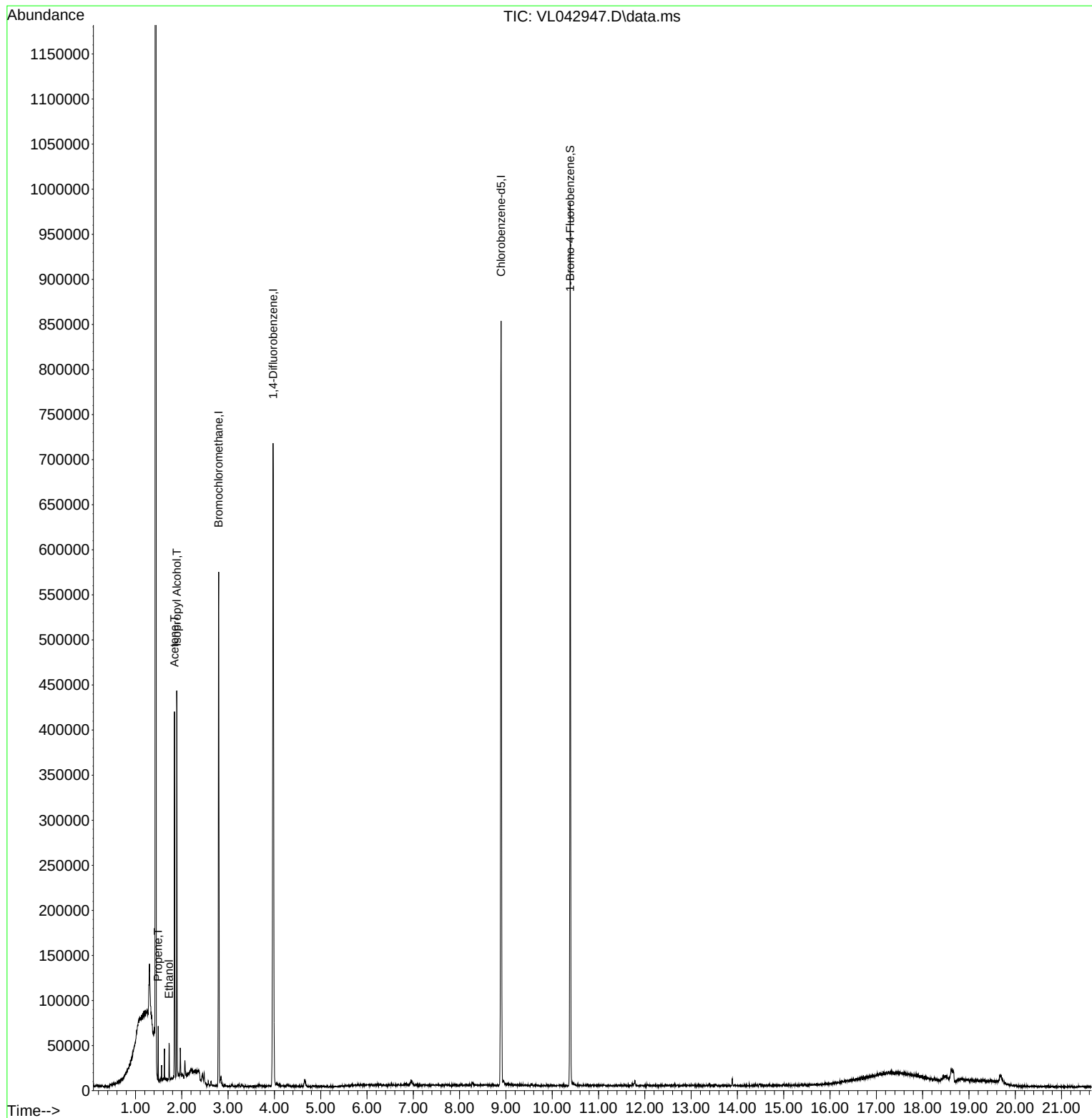
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091825\
Data File : VL042947.D
Acq On : 18 Sep 2025 15:50
Operator : SY/MD
Sample : Q3111-02DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

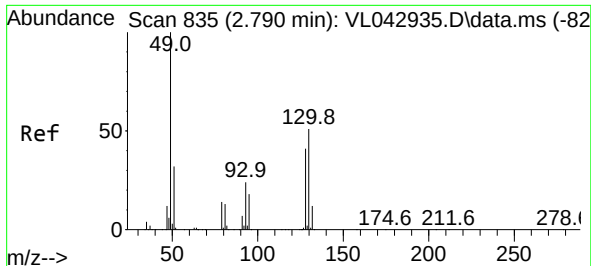
Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Manual Integrations
APPROVED

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

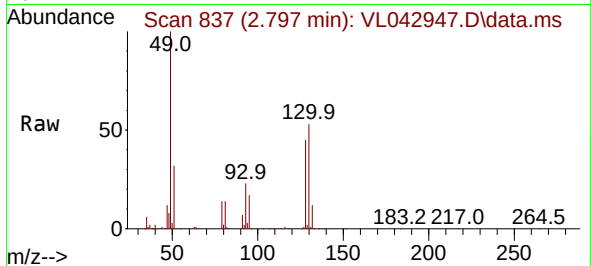
Quant Time: Sep 19 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091725AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Sep 18 02:57:46 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 81
Delta R.T. 0.007 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50

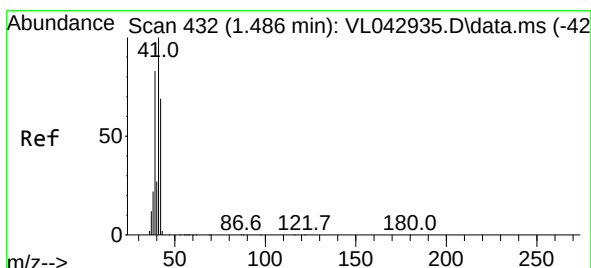
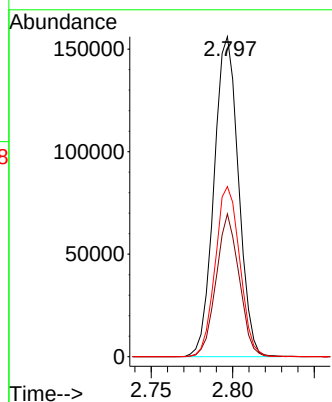
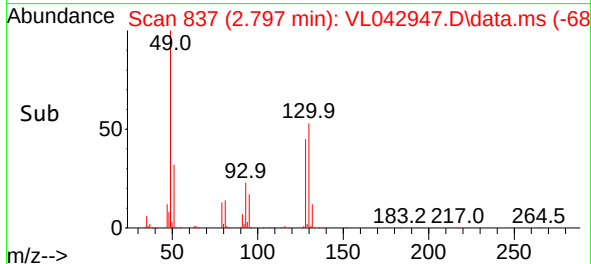
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



Tgt Ion: 49 Resp: 16278
Ion Ratio Lower Upper
49 100
128 42.0 21.1 63.4
130 53.5 26.4 79.2

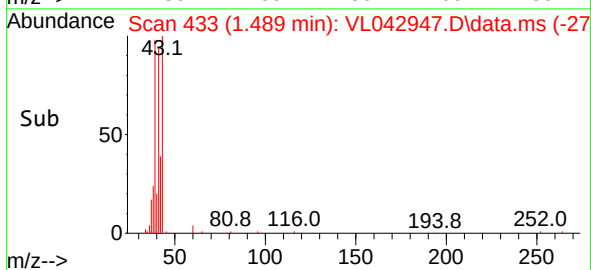
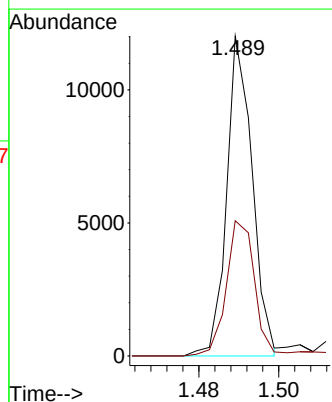
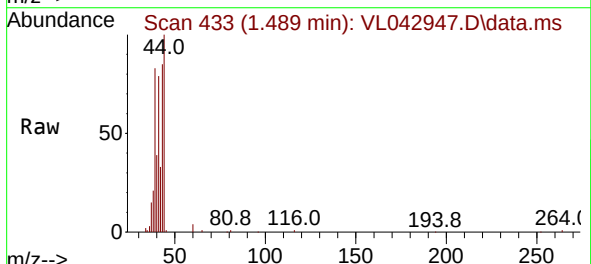
Manual Integrations
APPROVED

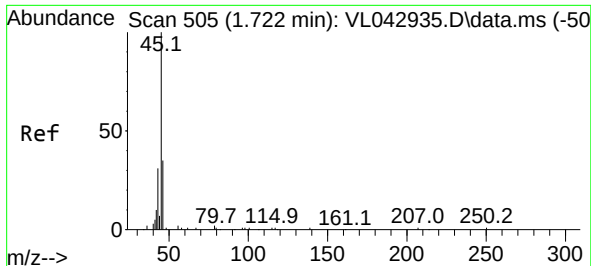
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#9
Propene
Concen: 0.596 ppbv m
RT: 1.489 min Scan# 433
Delta R.T. 0.003 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50

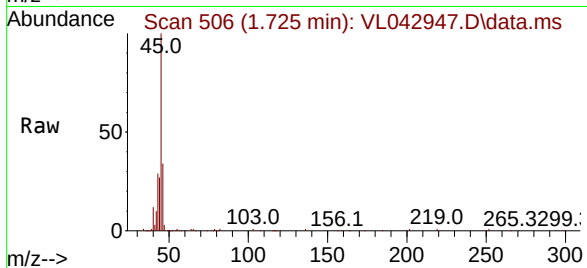
Tgt Ion: 41 Resp: 5327
Ion Ratio Lower Upper
41 100
42 210.2 55.0 82.4#





#13
Ethanol
Concen: 15.570 ppbv
RT: 1.725 min Scan# 505
Delta R.T. 0.003 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50

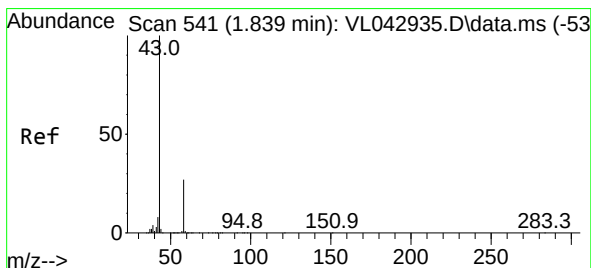
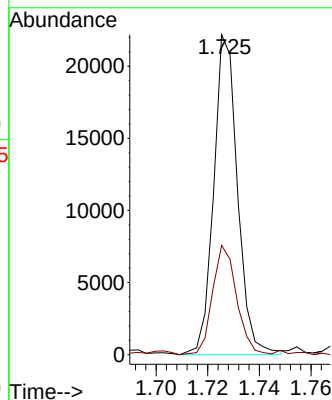
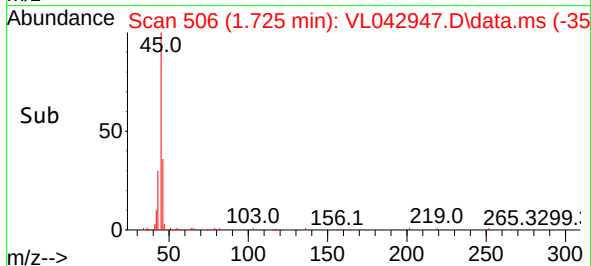
Instrument :
MSVOA_L
ClientSampleId :
IA1DL



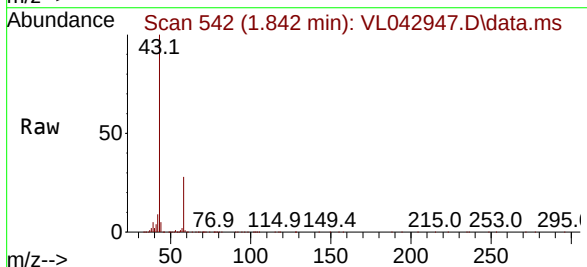
Tgt Ion: 45 Resp: 1419
Ion Ratio Lower Upper
45 100
46 37.5 16.5 66.1

Manual Integrations
APPROVED

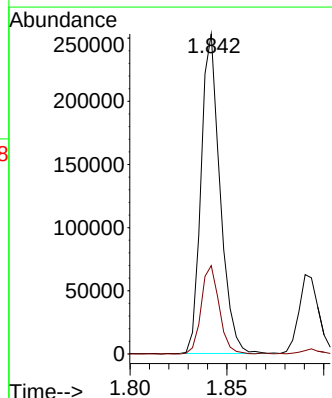
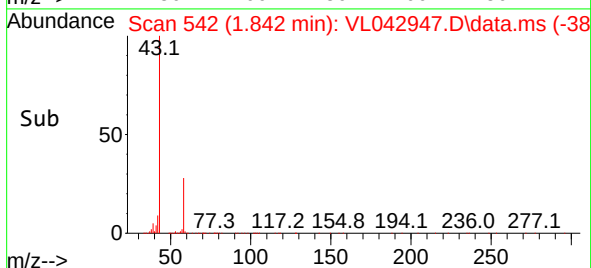
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025

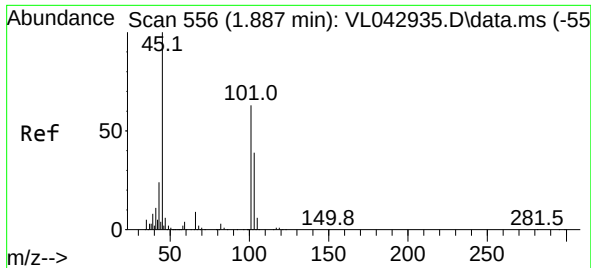


#15
Acetone
Concen: 8.627 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.003 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50



Tgt Ion: 43 Resp: 172481
Ion Ratio Lower Upper
43 100
58 26.2 22.2 33.2





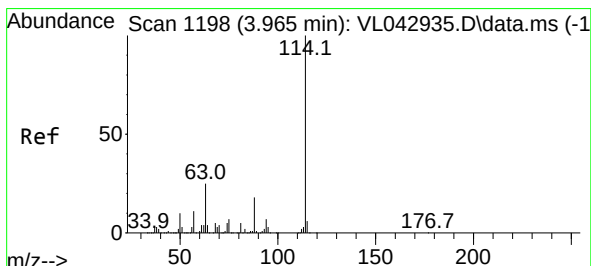
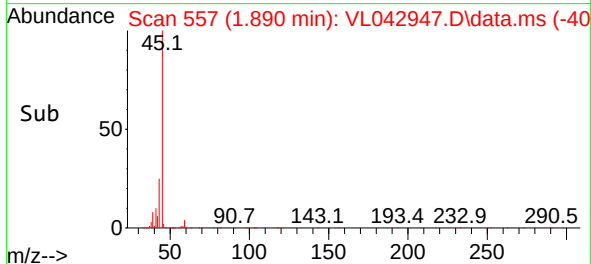
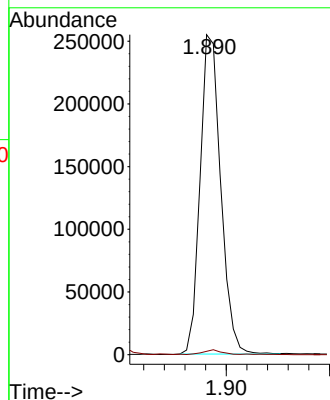
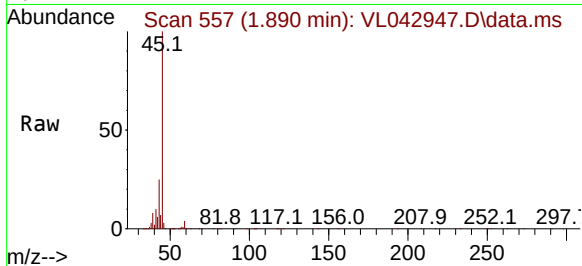
#19
Isopropyl Alcohol
Concen: 16.494 ppbv
RT: 1.890 min Scan# 51
Delta R.T. 0.003 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50

Instrument :
MSVOA_L
ClientSampleId :
IA1DL

Tgt Ion: 45 Resp: 176815
Ion Ratio Lower Upper
45 100
58 1.6 2.0 3.0

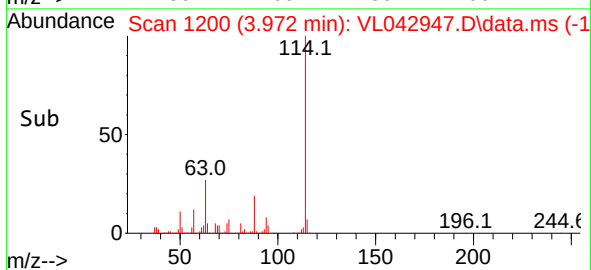
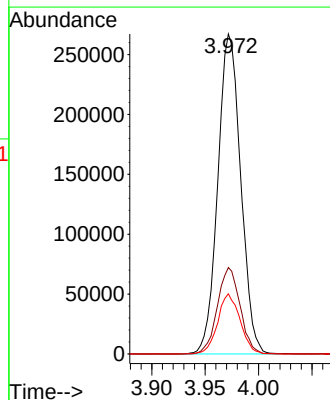
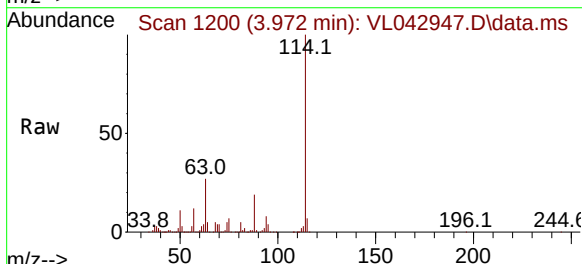
Manual Integrations
APPROVED

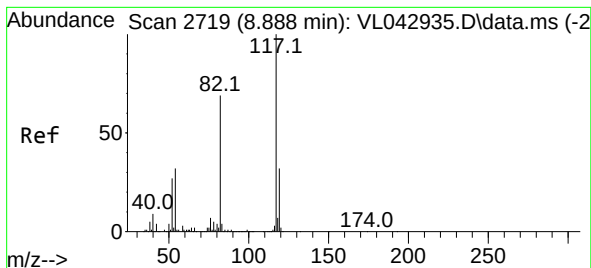
Reviewed By :Mahesh Dadoda 09/24/2025
Supervised By :Semsettin Yesilyurt 09/24/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.972 min Scan# 1200
Delta R.T. 0.007 min
Lab File: VL042947.D
Acq: 18 Sep 2025 15:50

Tgt Ion:114 Resp: 398877
Ion Ratio Lower Upper
114 100
63 26.8 21.1 31.7
88 18.3 14.6 22.0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.895 min Scan# 21

Delta R.T. 0.007 min

Lab File: VL042947.D

Acq: 18 Sep 2025 15:50

Instrument :

MSVOA_L

ClientSampleId :

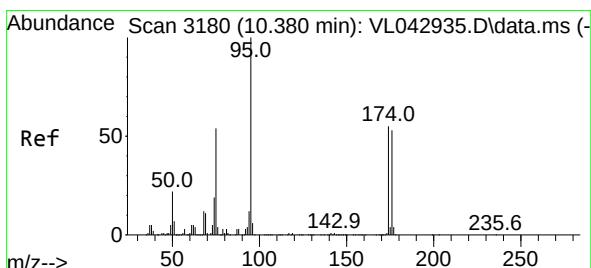
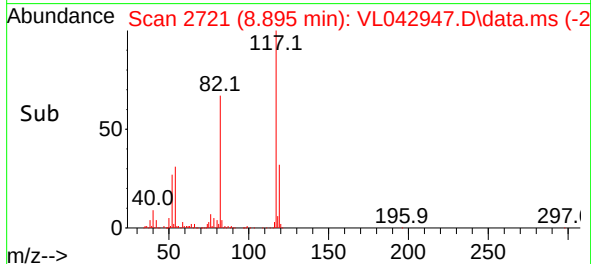
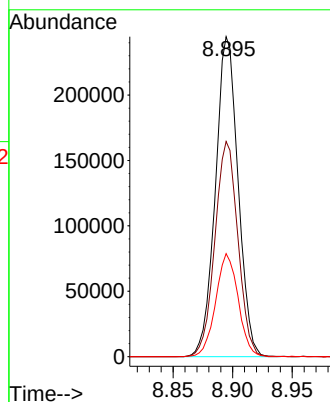
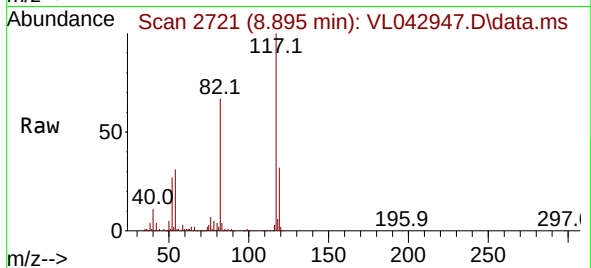
IA1DL

Tgt Ion:	117	Resp:	32365
Ion Ratio	Lower	Upper	
117	100		
82	68.2	56.1	84.1
119	32.0	25.8	38.8

Manual Integrations

APPROVED

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



#68

1-Bromo-4-Fluorobenzene

Concen: 9.420 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.007 min

Lab File: VL042947.D

Acq: 18 Sep 2025 15:50

Tgt Ion:	95	Resp:	238298
Ion Ratio	Lower	Upper	
95	100		
174	55.5	44.9	67.3
175	4.0	3.3	4.9

