

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092625\
 Data File : VU063652.D
 Acq On : 25 Sep 2025 19:58
 Operator : MD/SY
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
 Supervised By :Semsettin Yesilyurt 09/29/2025

Quant Time: Sep 26 07:10:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 26 07:03:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.377	168	1385	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	6.261	114	2422	50.000	ug/l	0.03
63) Chlorobenzene-d5	9.418	117	4298	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	11.814	152	3917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.701	65	1211m	87.790	ug/l	0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	= 175.580%#	
35) Dibromofluoromethane	5.287	113	704	53.674	ug/l	0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 107.340%	
50) Toluene-d8	7.894	98	2902	68.365	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 136.740%#	
62) 4-Bromofluorobenzene	10.637	95	2426	127.445	ug/l	0.01
Spiked Amount	50.000	Range	83 - 123	Recovery	= 254.900%#	

Target Compounds Qvalue

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

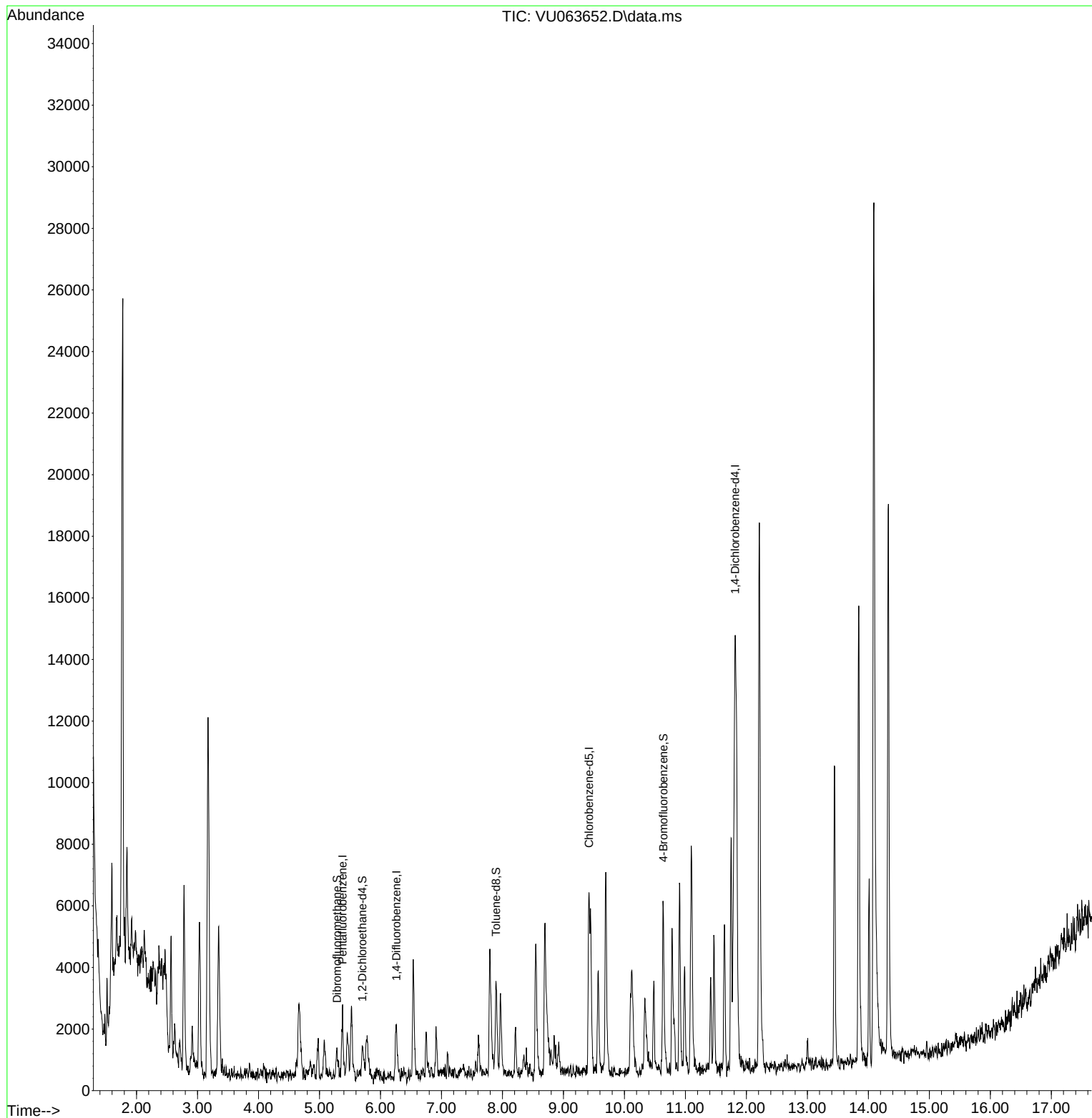
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU092625\
Data File : VU063652.D
Acq On : 25 Sep 2025 19:58
Operator : MD/SY
Sample : VIBLK
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 10 Sample Multiplier: 1

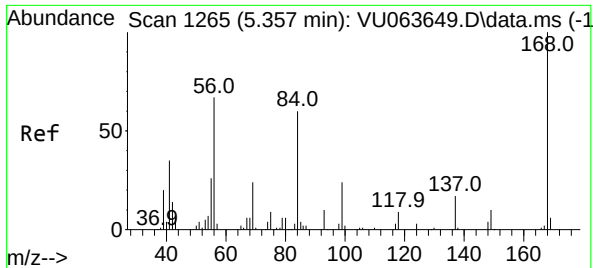
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

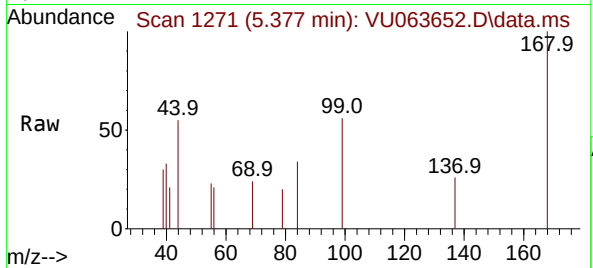
Quant Time: Sep 26 07:10:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092625W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 26 07:03:26 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.377 min Scan# 1385
Delta R.T. 0.020 min
Lab File: VU063652.D
Acq: 25 Sep 2025 19:58

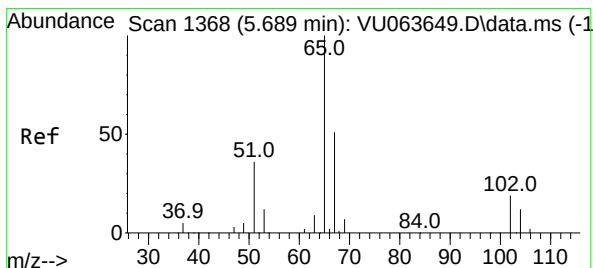
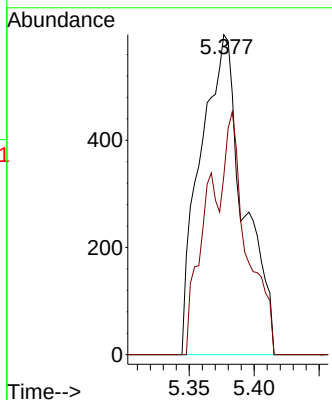
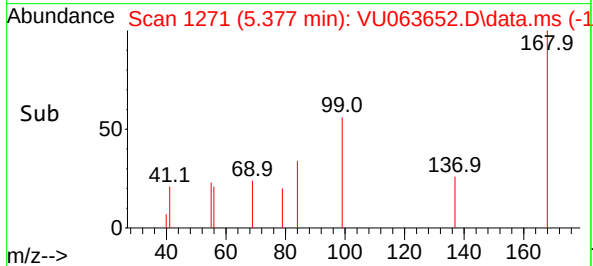
Instrument :
MSVOA_U
ClientSampleId :
VIBLK



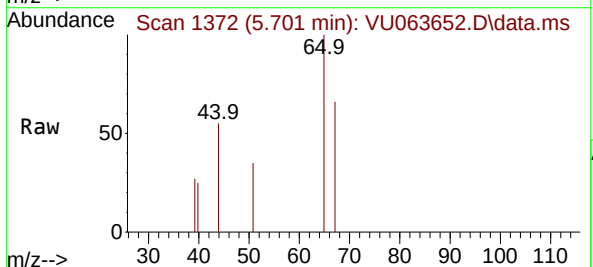
Tgt Ion:168 Resp: 1385
Ion Ratio Lower Upper
168 100
99 55.8 48.7 73.1

Manual Integrations
APPROVED

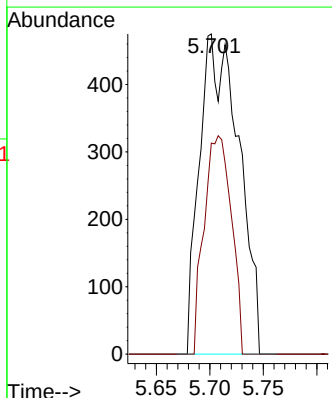
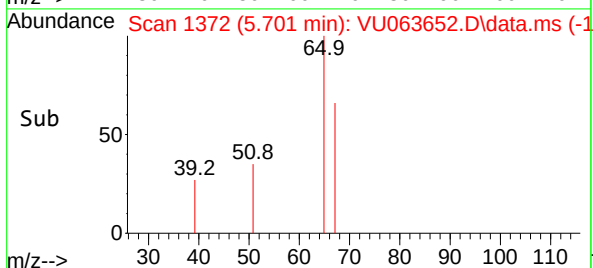
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

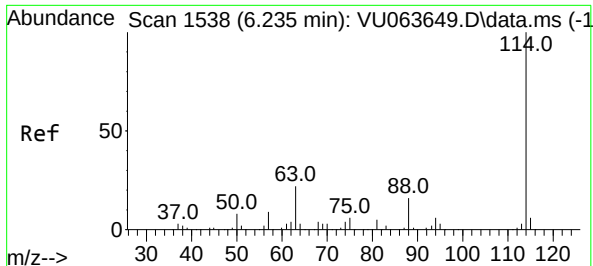


#33
1,2-Dichloroethane-d4
Concen: 87.790 ug/l m
RT: 5.701 min Scan# 1372
Delta R.T. 0.012 min
Lab File: VU063652.D
Acq: 25 Sep 2025 19:58



Tgt Ion: 65 Resp: 1211
Ion Ratio Lower Upper
65 100
67 47.5 0.0 105.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.261 min Scan# 1

Delta R.T. 0.026 min

Lab File: VU063652.D

Acq: 25 Sep 2025 19:58

Instrument :

MSVOA_U

ClientSampleId :

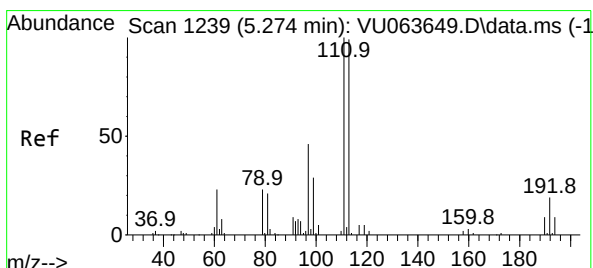
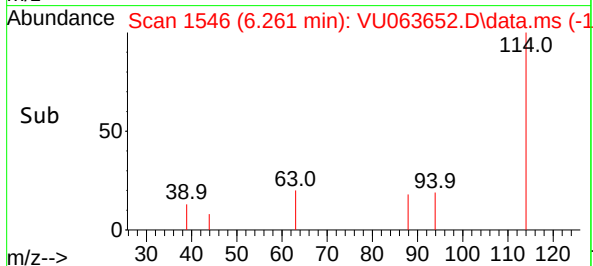
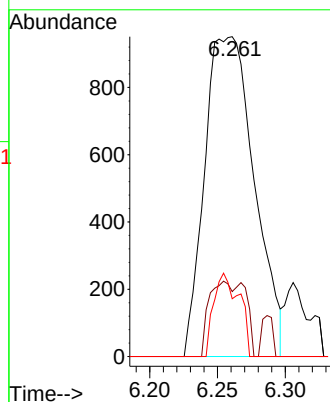
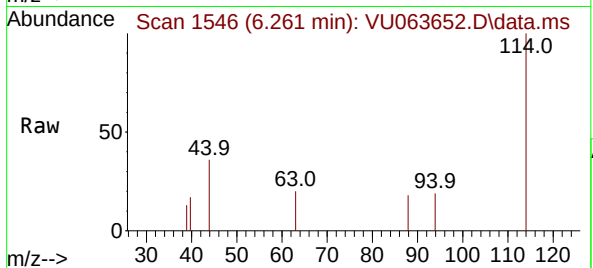
VIBLK

Tgt Ion:	114	Resp:	242
Ion Ratio	Lower	Upper	
114	100		
63	20.3	0.0	43.4
88	18.1	0.0	31.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#35

Dibromofluoromethane

Concen: 53.674 ug/l

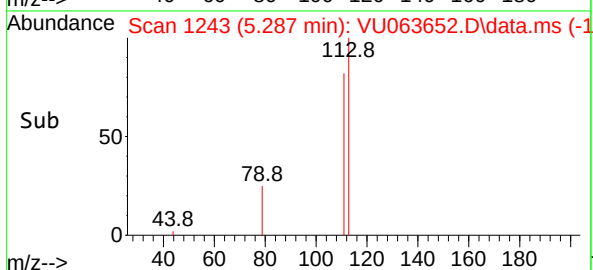
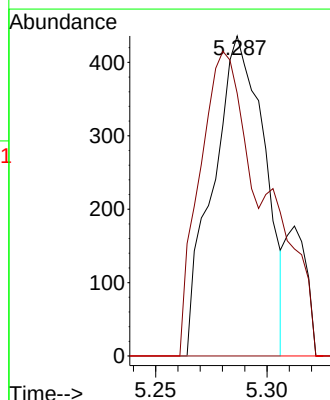
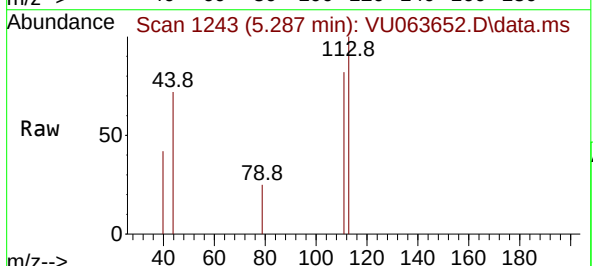
RT: 5.287 min Scan# 1243

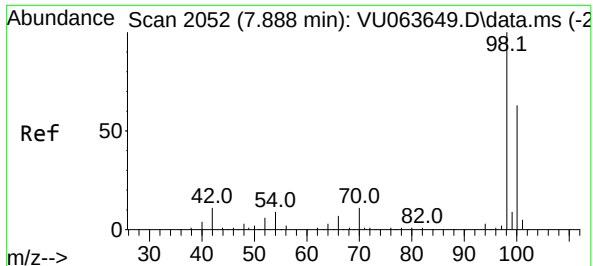
Delta R.T. 0.013 min

Lab File: VU063652.D

Acq: 25 Sep 2025 19:58

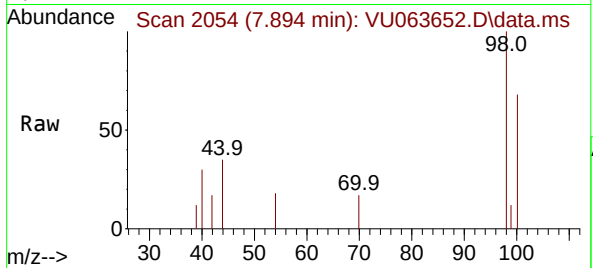
Tgt Ion:	113	Resp:	704
Ion Ratio	Lower	Upper	
113	100		
111	88.8	80.3	120.5
192	0.0	14.6	21.8





#50
Toluene-d8
Concen: 68.365 ug/l
RT: 7.894 min Scan# 2052
Delta R.T. 0.006 min
Lab File: VU063652.D
Acq: 25 Sep 2025 19:58

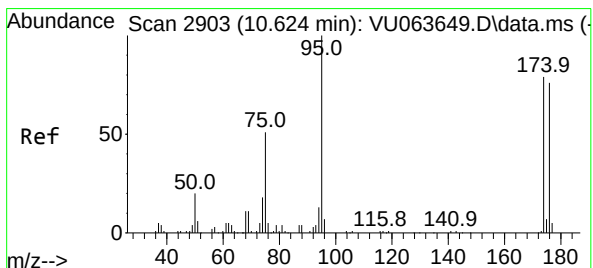
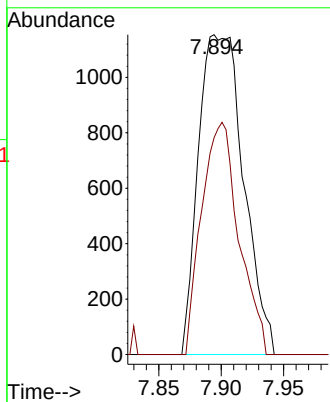
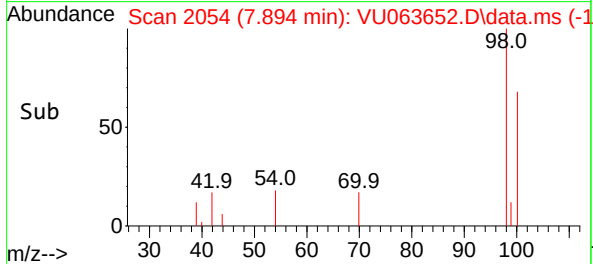
Instrument :
MSVOA_U
ClientSampleId :
VIBLK



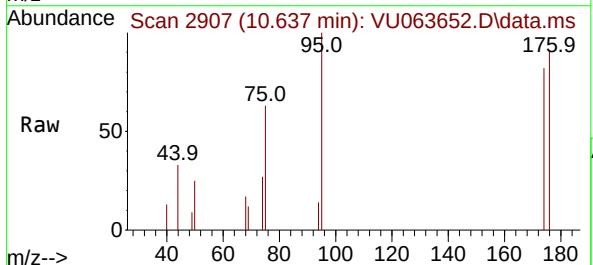
Tgt Ion: 98 Resp: 2902
Ion Ratio Lower Upper
98 100
100 60.0 49.6 74.4

Manual Integrations
APPROVED

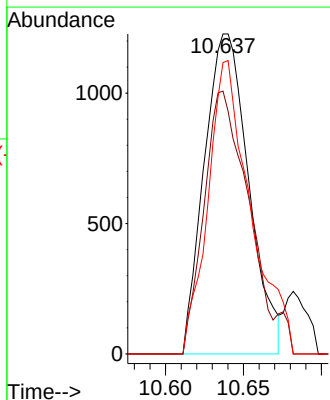
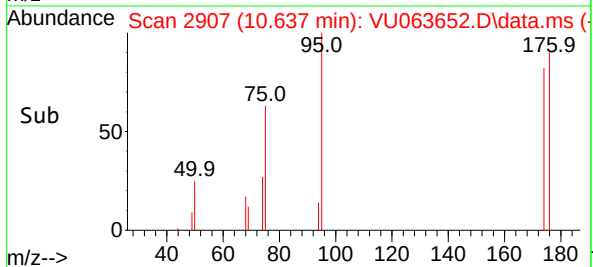
Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025

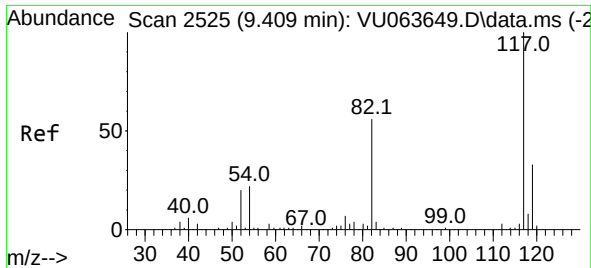


#62
4-Bromofluorobenzene
Concen: 127.445 ug/l
RT: 10.637 min Scan# 2907
Delta R.T. 0.013 min
Lab File: VU063652.D
Acq: 25 Sep 2025 19:58



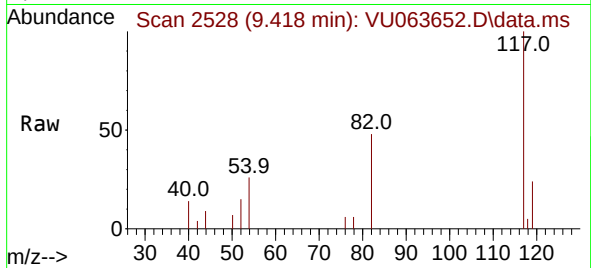
Tgt Ion: 95 Resp: 2426
Ion Ratio Lower Upper
95 100
174 81.2 0.0 154.2
176 87.9 0.0 150.8





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.418 min Scan# 2525
Delta R.T. 0.009 min
Lab File: VU063652.D
Acq: 25 Sep 2025 19:58

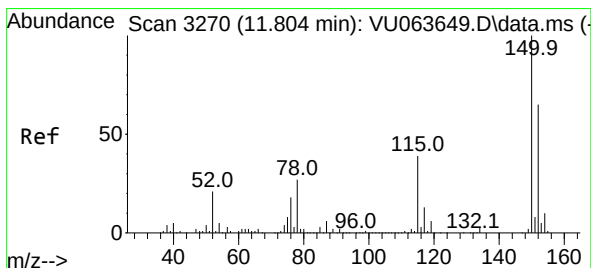
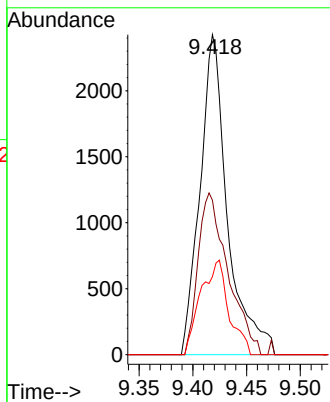
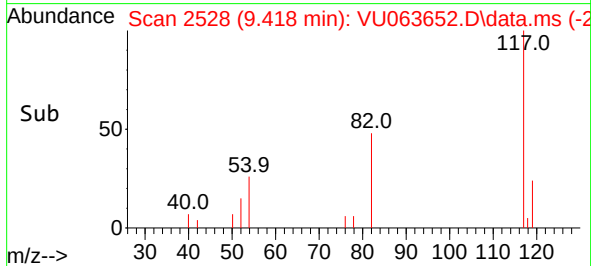
Instrument :
MSVOA_U
ClientSampleId :
VIBLK



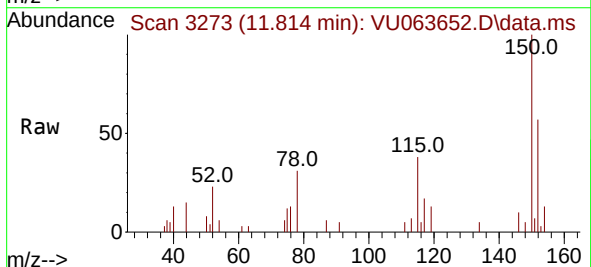
Tgt Ion:117 Resp: 4298
Ion Ratio Lower Upper
117 100
82 48.2 44.8 67.2
119 24.4 26.0 39.0

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/29/2025
Supervised By :Semsettin Yesilyurt 09/29/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.814 min Scan# 3273
Delta R.T. 0.010 min
Lab File: VU063652.D
Acq: 25 Sep 2025 19:58



Tgt Ion:152 Resp: 3917
Ion Ratio Lower Upper
152 100
115 69.9 42.3 126.8
150 173.3 0.0 340.8

