

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
 Data File : VL043092.D
 Acq On : 09 Oct 2025 17:17
 Operator : SY/MD
 Sample : Q3320-12DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV6DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
 Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 22:18:24 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025

QLast Update : Fri Oct 03 08:23:34 2025

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.774	49	192317	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.936	114	513474	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.862	117	466022	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.357	95	390643	11.636	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	116.400%
Target Compounds						
					Qvalue	
13) Ethanol	1.716	45	4105	7.690	ppbv #	31
15) Acetone	1.829	43	212161	7.879	ppbv	99
17) tert-Butyl alcohol	2.033	59	9089	0.319	ppbv #	91
19) Isopropyl Alcohol	1.877	45	19030	1.475	ppbv #	1
20) Methylene Chloride	2.052	84	2400	0.204	ppbv #	86
26) Hexane	2.810	57	12903	0.497	ppbv #	32
38) Trichloroethene	4.519	130	3573m	0.175	ppbv	
52) Tetrachloroethene	8.205	164	14210	0.782	ppbv	97
53) Toluene	6.907	91	7891	0.159	ppbv	97
58) Ethyl Benzene	9.335	91	56595	0.784	ppbv	92
59) m/p-Xylene	9.513	91	94743	1.556	ppbv	98
60) o-Xylene	9.946	91	19175	0.316	ppbv	98

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

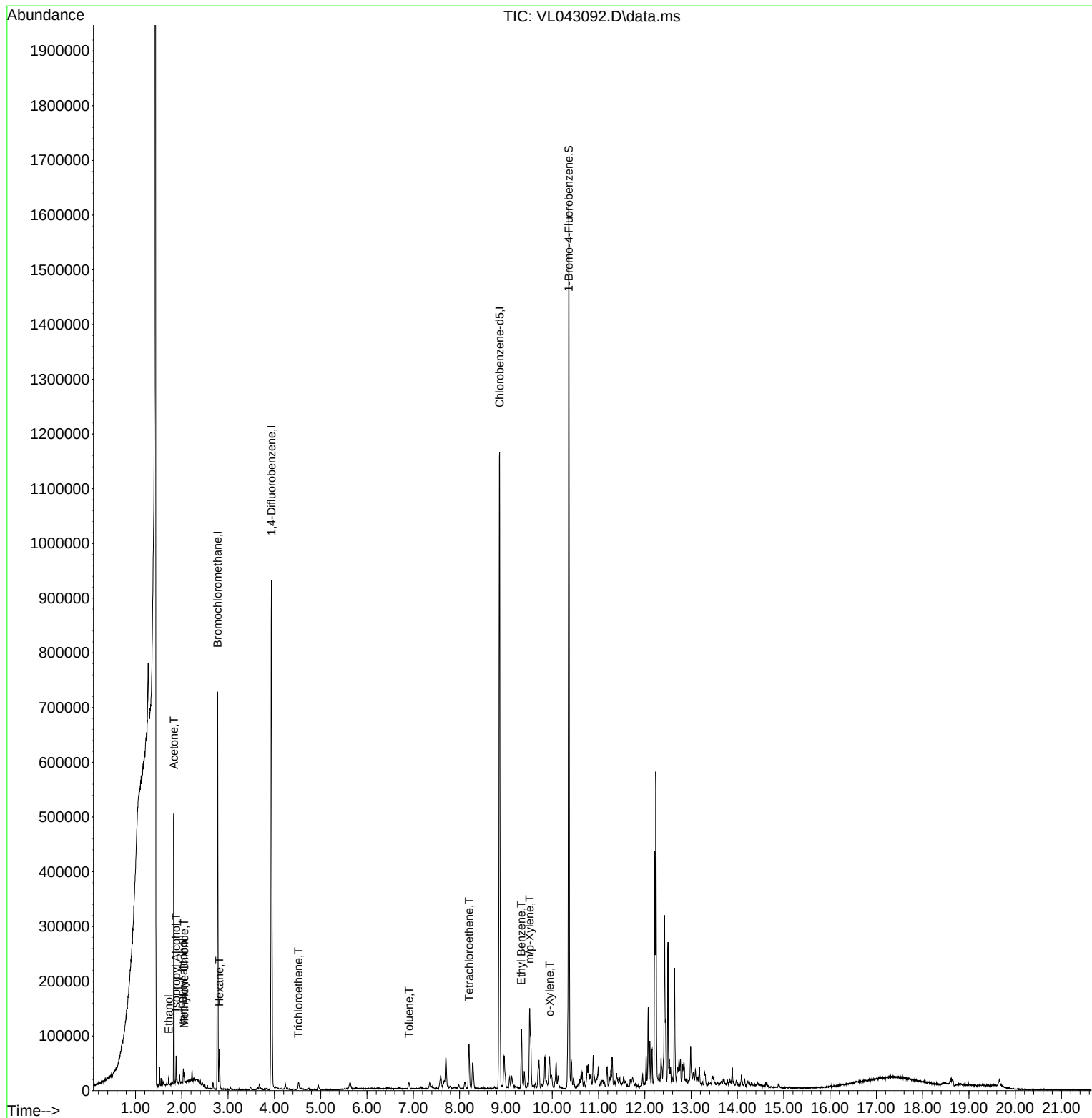
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL100925\
Data File : VL043092.D
Acq On : 09 Oct 2025 17:17
Operator : SY/MD
Sample : Q3320-12DL 10X
Misc : 400mL/MSVOA_L
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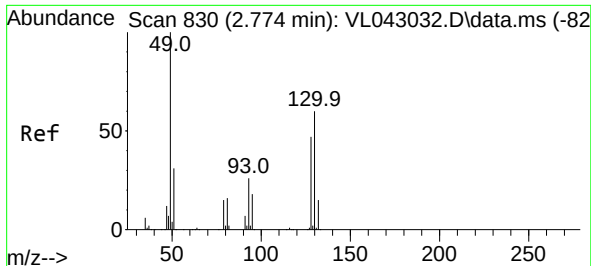
Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

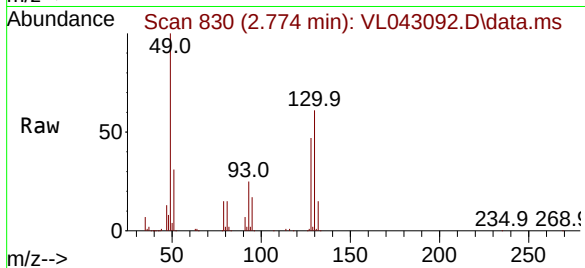
Quant Time: Oct 09 22:18:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL100225AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Oct 03 08:23:34 2025
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 81
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

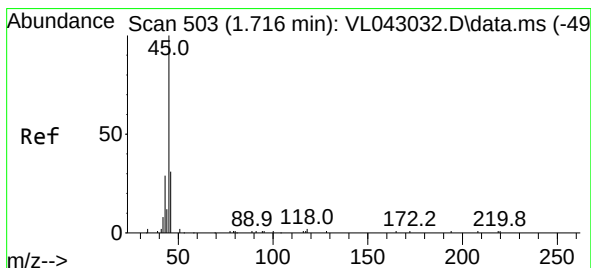
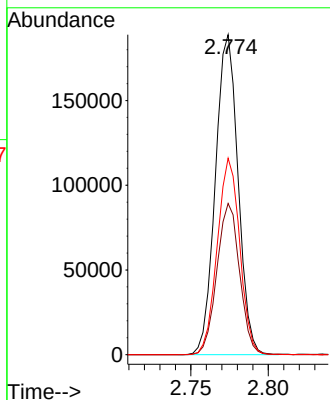
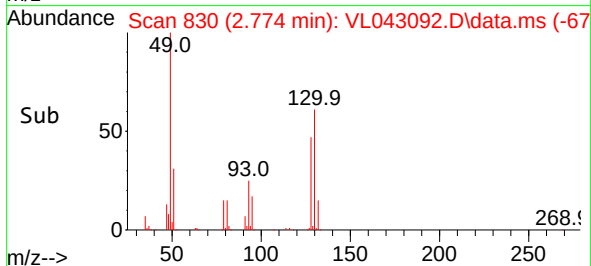
Instrument :
MSVOA_L
ClientSampleId :
SV6DL



Tgt Ion: 49 Resp: 19231
Ion Ratio Lower Upper
49 100
128 47.3 24.1 72.2
130 60.9 31.4 94.3

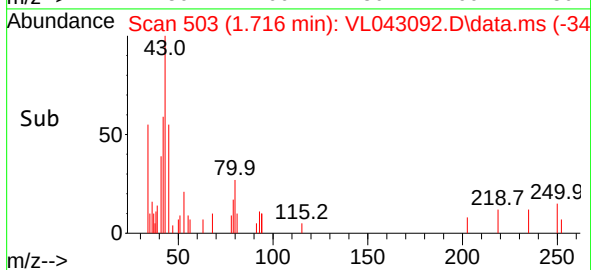
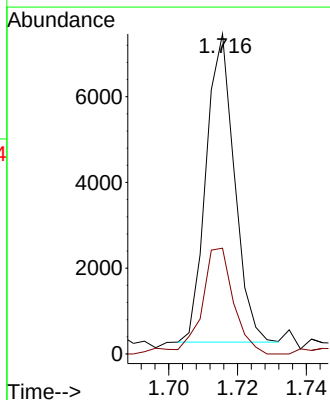
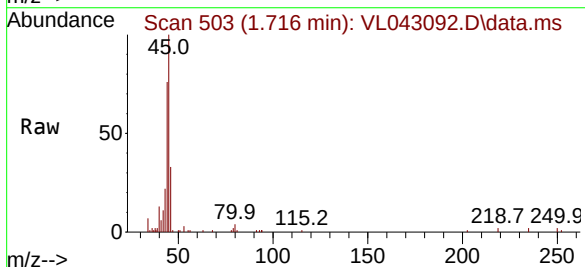
Manual Integrations
APPROVED

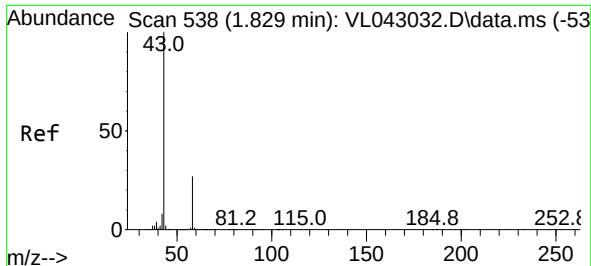
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#13
Ethanol
Concen: 7.690 ppbv
RT: 1.716 min Scan# 503
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

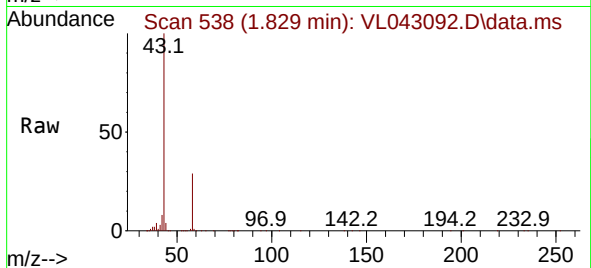
Tgt Ion: 45 Resp: 4105
Ion Ratio Lower Upper
45 100
46 0.0 17.8 71.4#





#15
Acetone
Concen: 7.879 ppbv
RT: 1.829 min Scan# 538
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

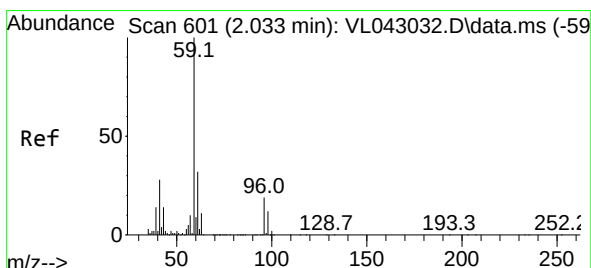
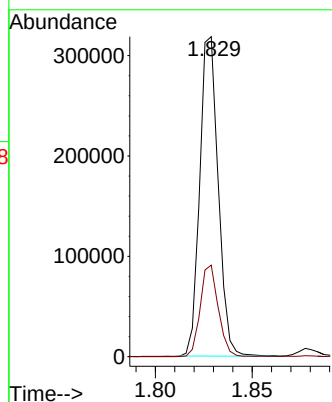
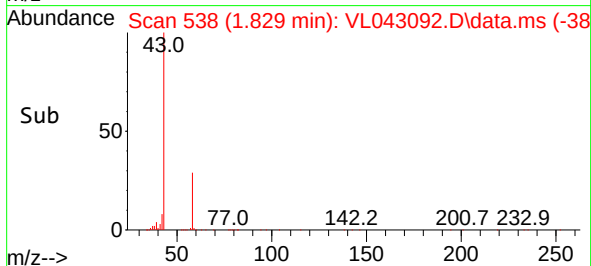
Instrument : MSVOA_L
ClientSampleId : SV6DL



Tgt Ion: 43 Resp: 21216
Ion Ratio Lower Upper
43 100
58 28.1 22.2 33.4

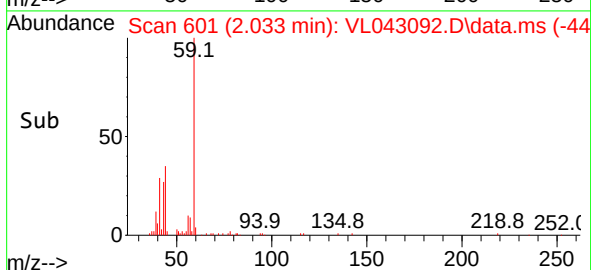
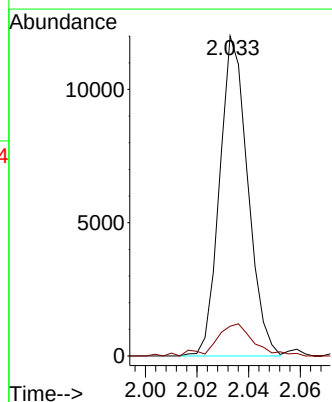
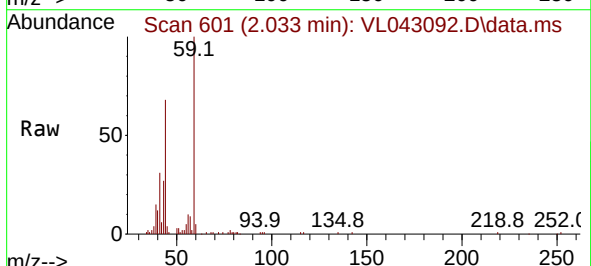
Manual Integrations
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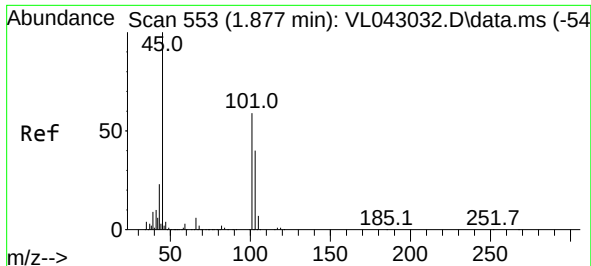
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#17
tert-Butyl alcohol
Concen: 0.319 ppbv
RT: 2.033 min Scan# 601
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

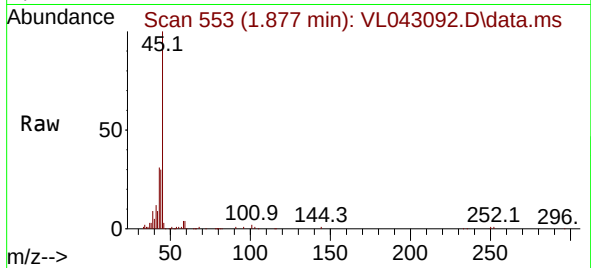
Tgt Ion: 59 Resp: 9089
Ion Ratio Lower Upper
59 100
57 13.8 8.5 12.7#





#19
Isopropyl Alcohol
Concen: 1.475 ppbv
RT: 1.877 min Scan# 553
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

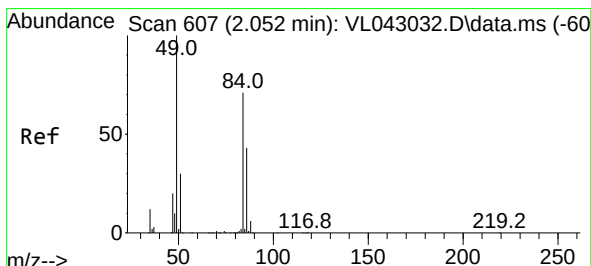
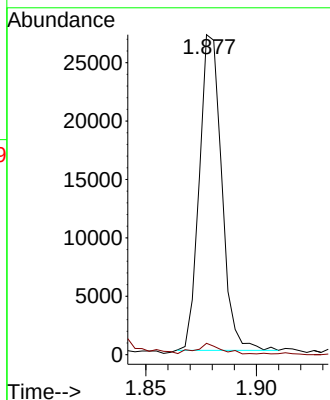
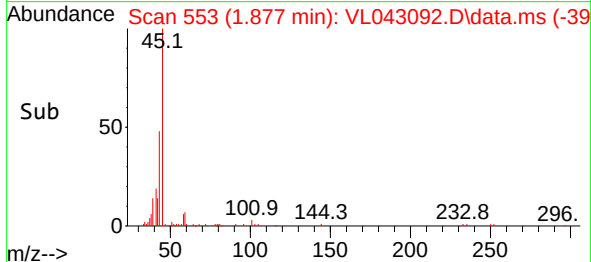
Instrument :
MSVOA_L
ClientSampleId :
SV6DL



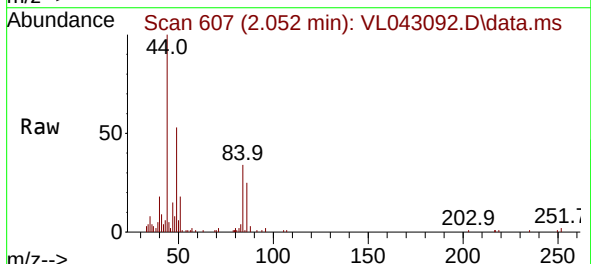
Tgt Ion: 45 Resp: 19030
Ion Ratio Lower Upper
45 100
58 312.9 42.3 63.5

Manual Integrations
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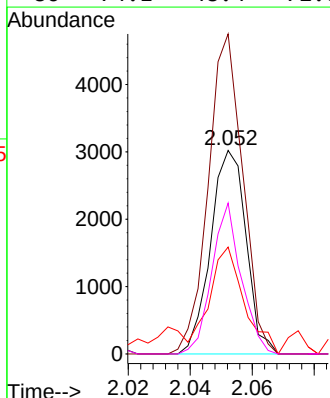
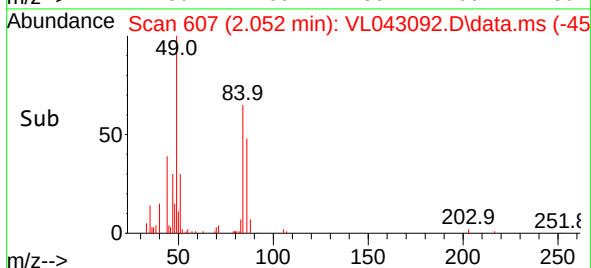
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025

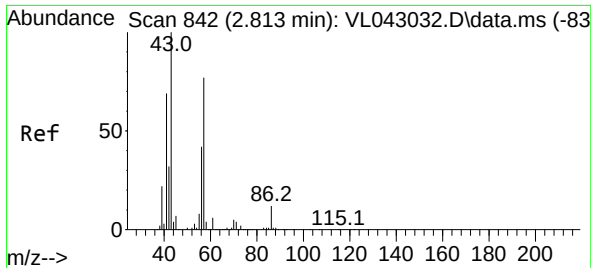


#20
Methylene Chloride
Concen: 0.204 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17



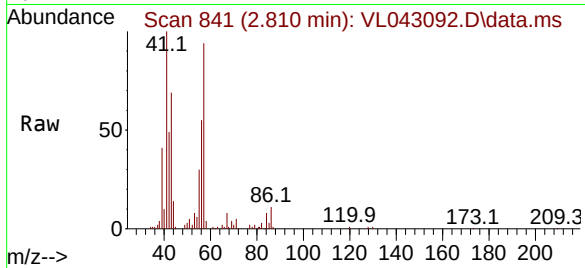
Tgt Ion: 84 Resp: 2400
Ion Ratio Lower Upper
84 100
49 155.0 112.5 168.7
51 52.5 34.2 51.2#
86 74.1 48.4 72.6#





#26
Hexane
Concen: 0.497 ppbv
RT: 2.810 min Scan# 842
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

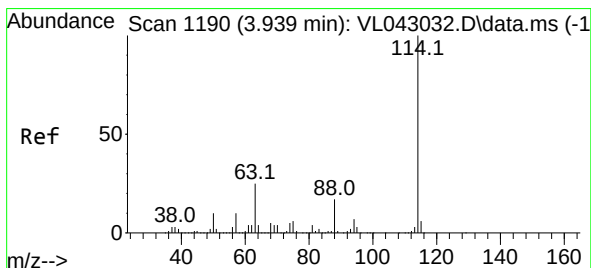
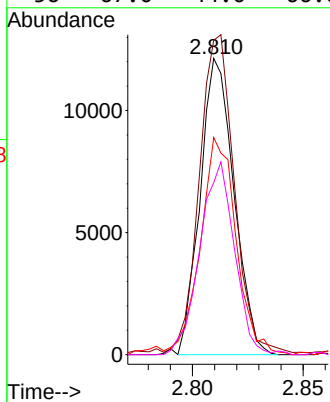
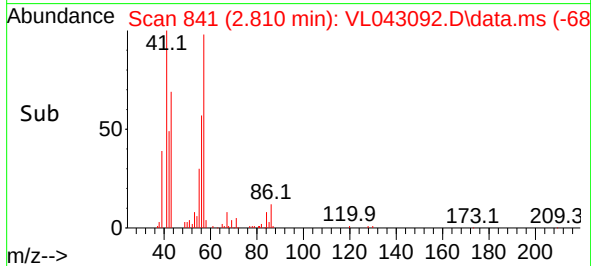
Instrument :
MSVOA_L
ClientSampleId :
SV6DL



Tgt Ion: 57 Resp: 1290
Ion Ratio Lower Upper
57 100
41 114.8 76.1 114.1
43 81.0 201.4 302.0
56 67.0 44.0 66.0

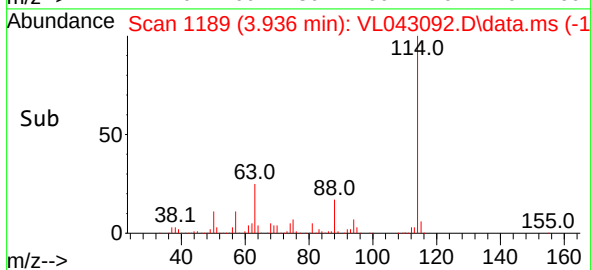
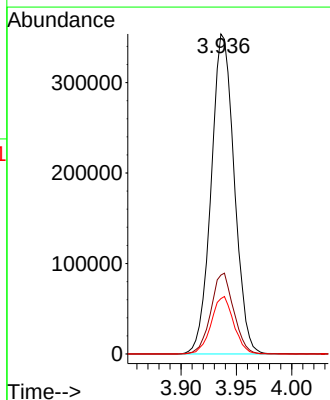
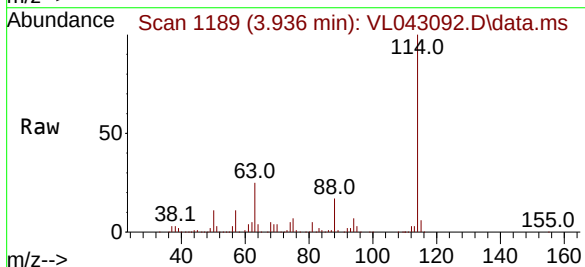
Manual Integrations
APPROVED

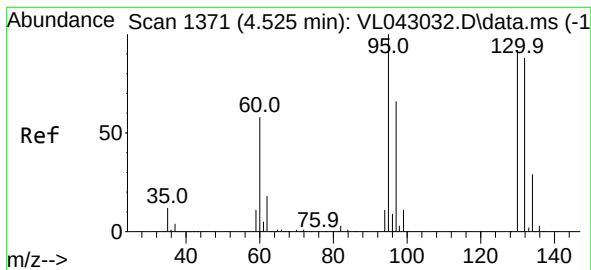
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.936 min Scan# 1189
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion:114 Resp: 513474
Ion Ratio Lower Upper
114 100
63 25.1 19.4 29.2
88 17.5 13.9 20.9





#38

Trichloroethene

Concen: 0.175 ppbv m

RT: 4.519 min Scan# 1369

Delta R.T. -0.007 min

Lab File: VL043092.D

Acq: 09 Oct 2025 17:17

Instrument :

MSVOA_L

ClientSampleId :

SV6DL

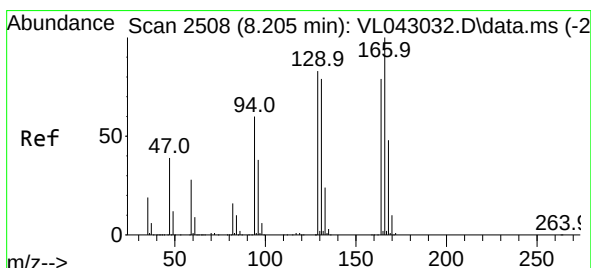
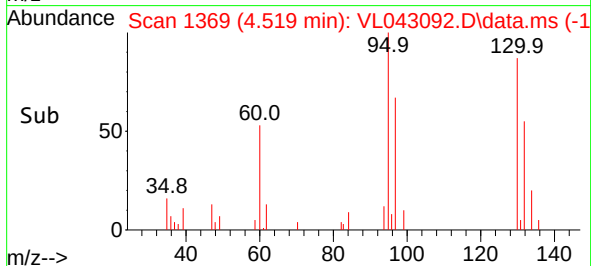
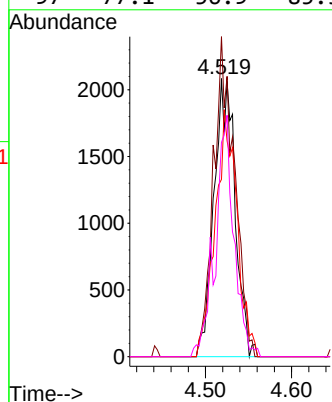
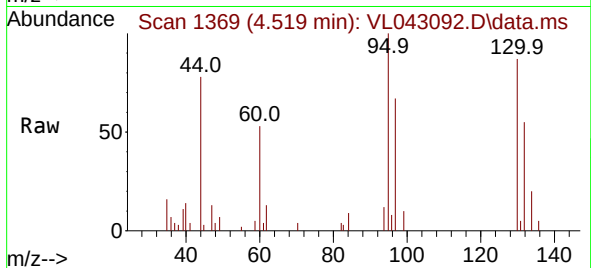
Tgt Ion:130 Resp: 357

Ion	Ratio	Lower	Upper
130	100		
95	115.1	86.4	129.6
132	63.8	75.7	113.5
97	77.1	56.9	85.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#52

Tetrachloroethene

Concen: 0.782 ppbv

RT: 8.205 min Scan# 2508

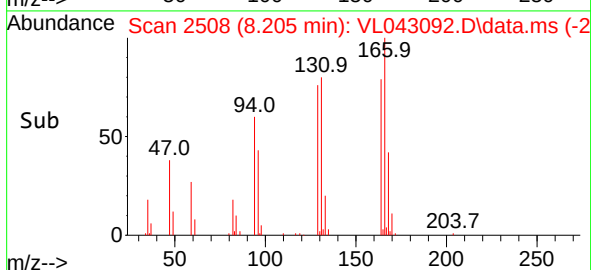
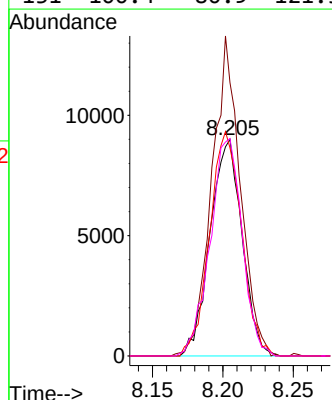
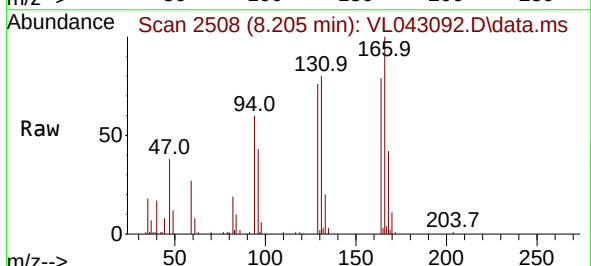
Delta R.T. -0.000 min

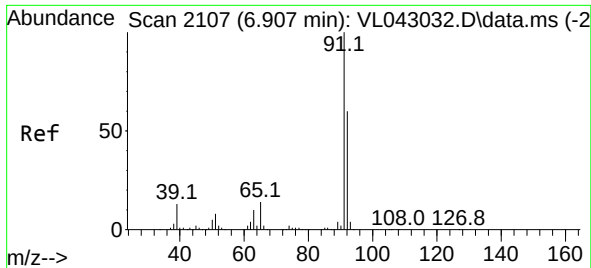
Lab File: VL043092.D

Acq: 09 Oct 2025 17:17

Tgt Ion:164 Resp: 14210

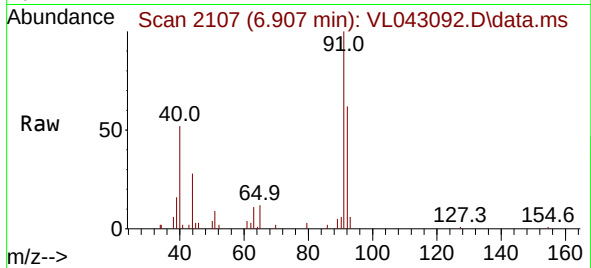
Ion	Ratio	Lower	Upper
164	100		
166	126.3	101.8	152.8
129	96.1	84.5	126.7
131	100.4	80.9	121.3





#53
Toluene
Concen: 0.159 ppbv
RT: 6.907 min Scan# 2107
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

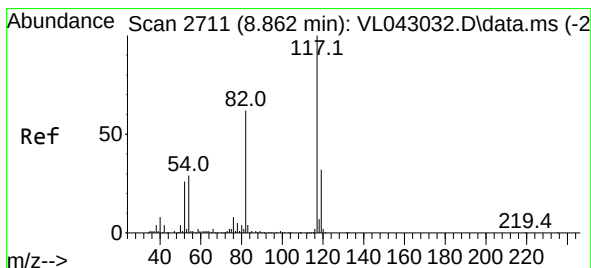
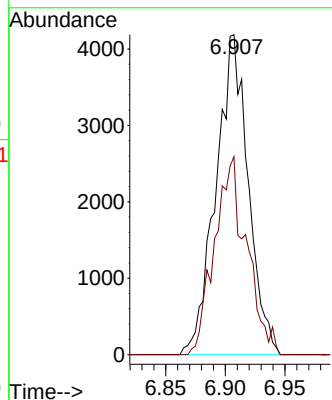
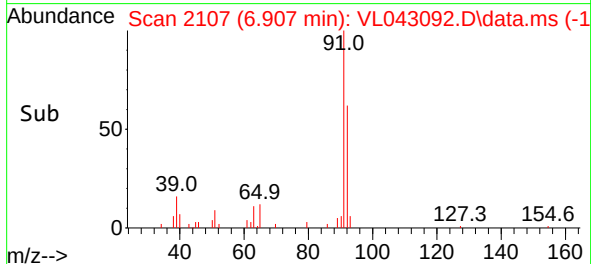
Instrument :
MSVOA_L
ClientSampleId :
SV6DL



Tgt Ion: 91 Resp: 789
Ion Ratio Lower Upper
91 100
92 61.6 47.8 71.6

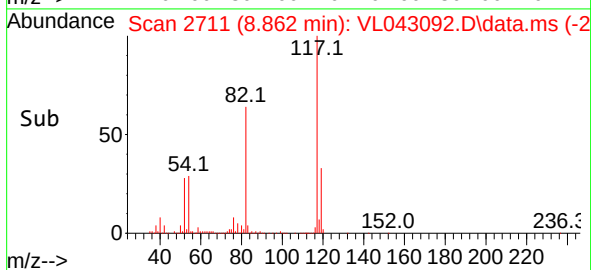
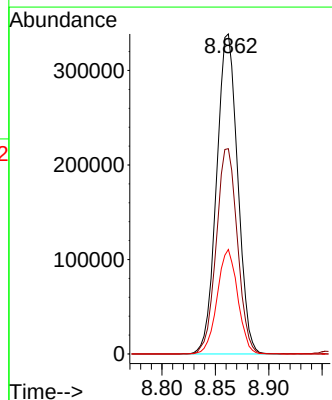
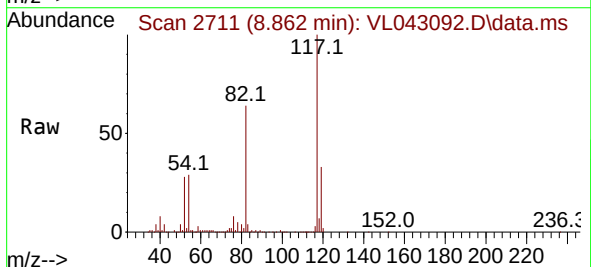
Manual Integrations
APPROVED

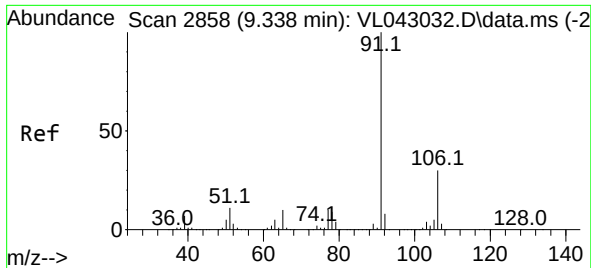
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion:117 Resp: 466022
Ion Ratio Lower Upper
117 100
82 64.4 53.0 79.6
119 31.8 25.4 38.2





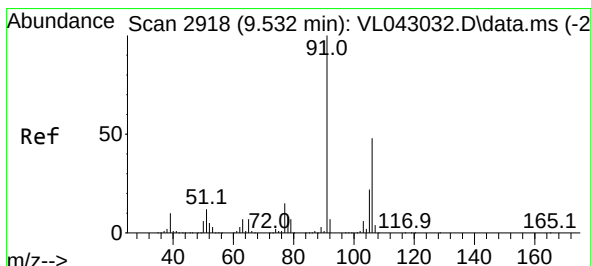
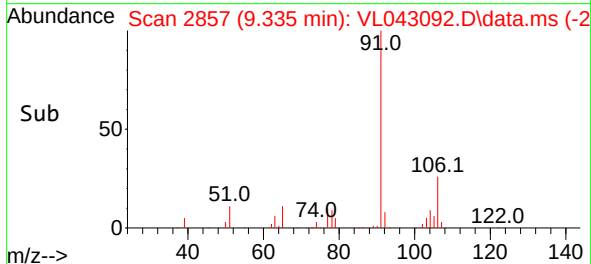
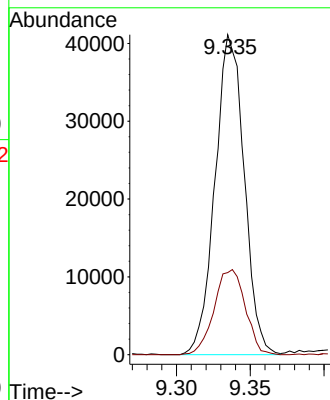
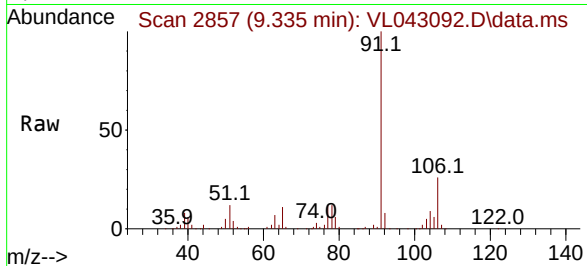
#58
Ethyl Benzene
Concen: 0.784 ppbv
RT: 9.335 min Scan# 2858
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Tgt Ion: 91 Resp: 5659
Ion Ratio Lower Upper
91 100
106 25.7 24.1 36.1

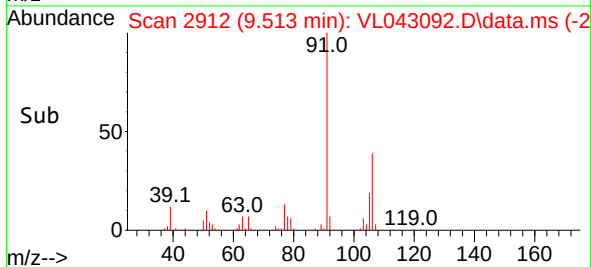
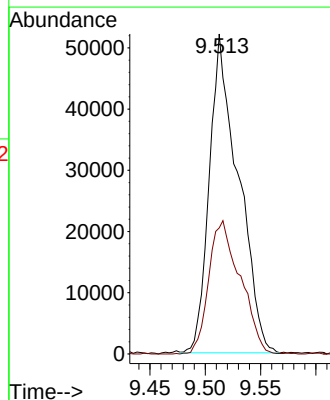
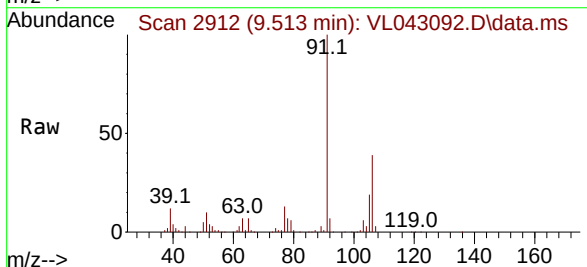
Manual Integrations
APPROVED

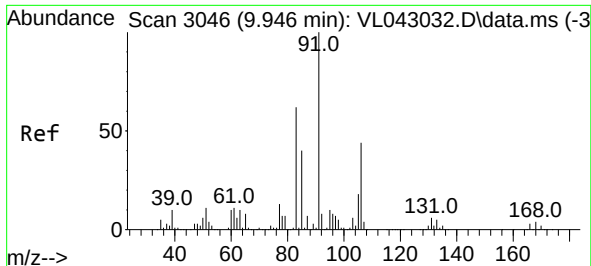
Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#59
m/p-Xylene
Concen: 1.556 ppbv
RT: 9.513 min Scan# 2912
Delta R.T. -0.019 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

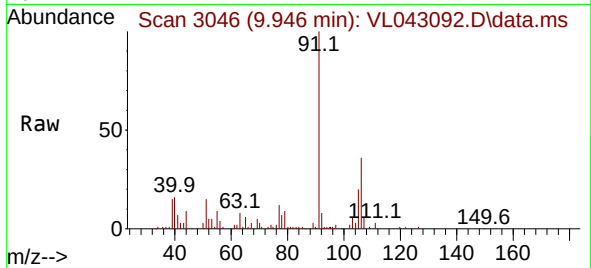
Tgt Ion: 91 Resp: 94743
Ion Ratio Lower Upper
91 100
106 45.7 37.5 56.3





#60
o-Xylene
Concen: 0.316 ppbv
RT: 9.946 min Scan# 3046
Delta R.T. -0.000 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

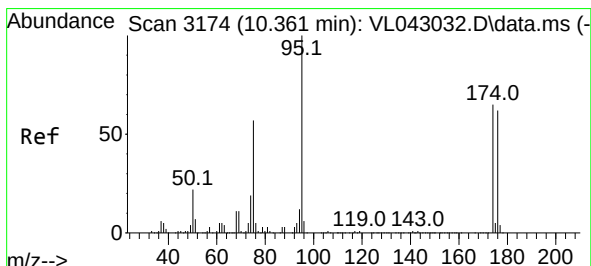
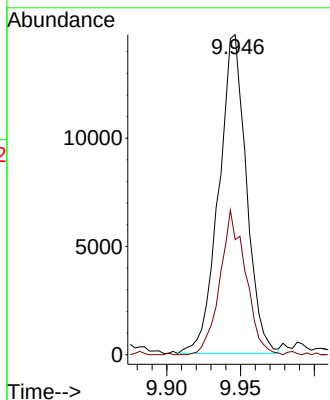
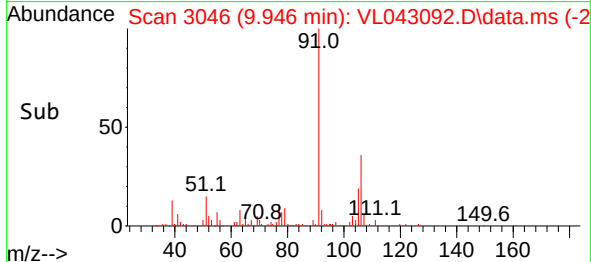
Instrument :
MSVOA_L
ClientSampleId :
SV6DL



Tgt Ion: 91 Resp: 1917
Ion Ratio Lower Upper
91 100
106 42.6 21.9 65.5

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 10/10/2025
Supervised By :Mahesh Dadoda 10/10/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 11.636 ppbv
RT: 10.357 min Scan# 3173
Delta R.T. -0.003 min
Lab File: VL043092.D
Acq: 09 Oct 2025 17:17

Tgt Ion: 95 Resp: 390643
Ion Ratio Lower Upper
95 100
174 65.4 52.3 78.5
175 4.6 3.8 5.8

