

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
 Data File : VL042916.D
 Acq On : 08 Sep 2025 22:55
 Operator : SY/MD
 Sample : Q3052-02 120X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Quant Time: Sep 09 01:01:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 8 2025
 QLast Update : Tue Sep 09 00:52:26 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 09/09/2025
 Supervised By : Mahesh Dadoda 09/11/2025

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

Internal Standards						
1) Bromochloromethane	2.784	49	134158	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	332366	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	295290	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	246216	11.118	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.200%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	1.476	51	3328	0.153	ppbv	99
9) Propene	1.486	41	4916	0.524	ppbv	87
10) Heptane	4.975	43	3442m	0.137	ppbv	
13) Ethanol	1.719	45	11299	13.166	ppbv	96
15) Acetone	1.832	43	115934	6.533	ppbv	98
19) Isopropyl Alcohol	1.887	45	2487	0.235	ppbv #	1
20) Methylene Chloride	2.059	84	1840	0.248	ppbv	91
26) Hexane	2.823	57	6775	0.342	ppbv #	35
29) Chloroform	2.842	83	50661	1.790	ppbv	92
34) 2-Butanone	2.561	43	2551	0.114	ppbv	98
42) Bromodichloromethane	4.480	83	3675m	0.148	ppbv	
52) Tetrachloroethene	8.221	164	46741	4.060	ppbv	98

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

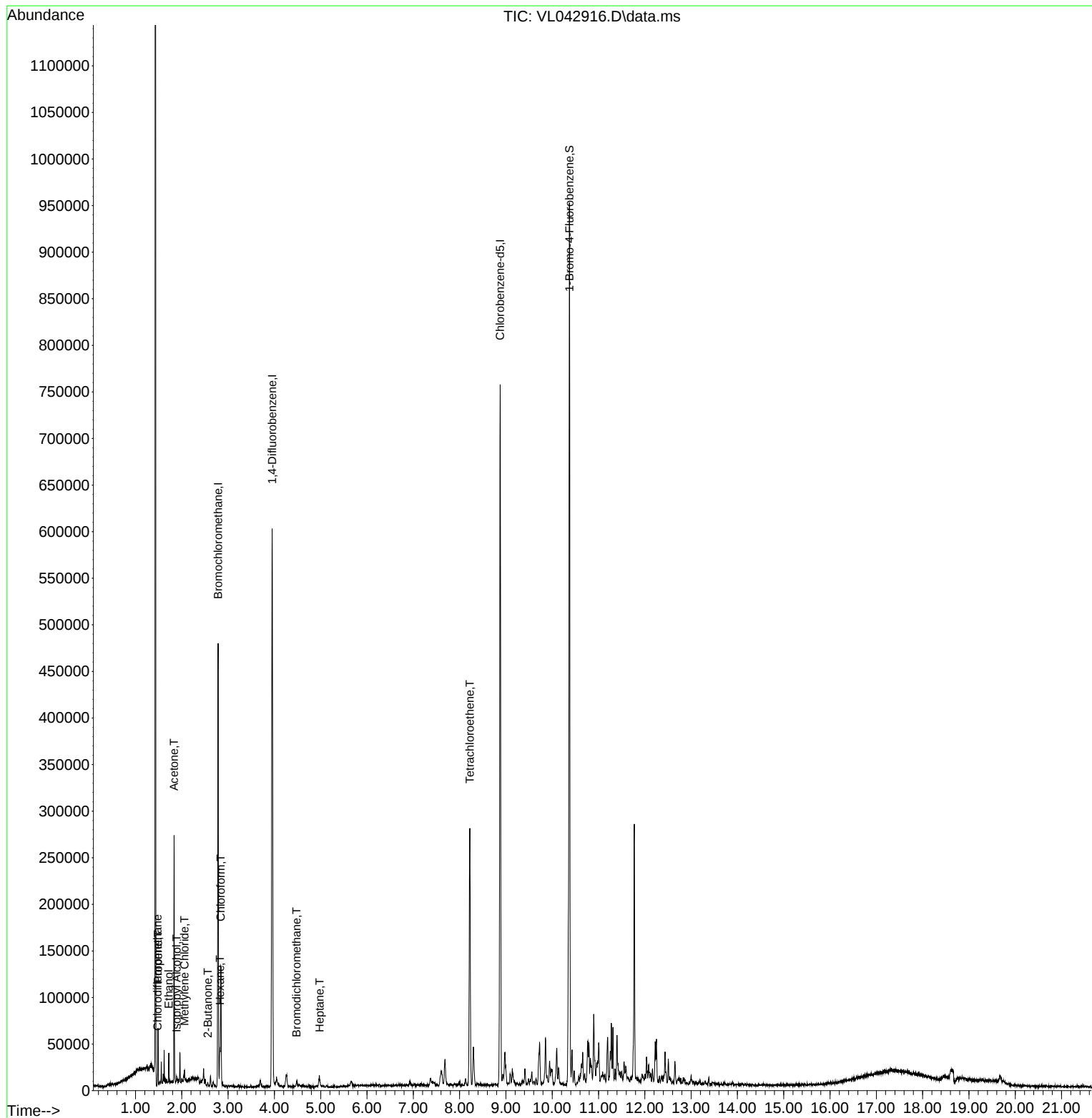
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL090825\
Data File : VL042916.D
Acq On : 08 Sep 2025 22:55
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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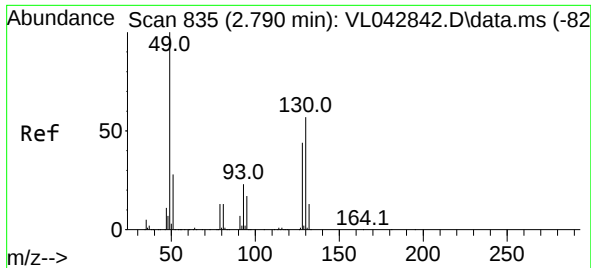
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Sep 09 01:01:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL081325AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 09 00:52:26 2025
Response via : Initial Calibration

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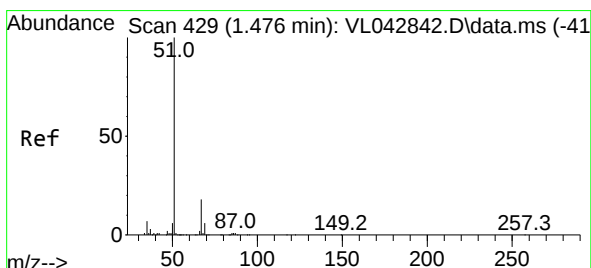
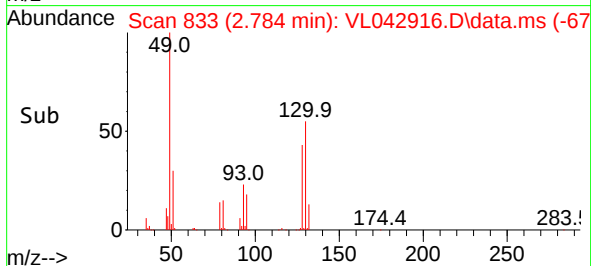
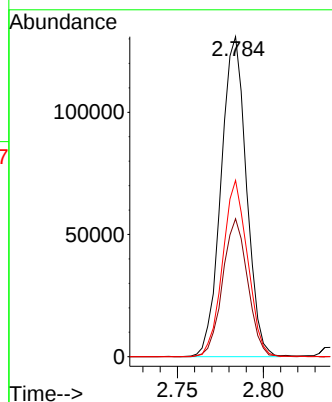
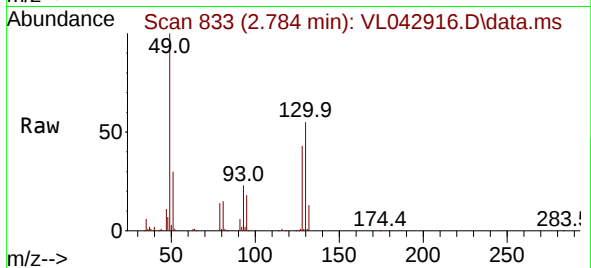
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. 0.007 min
Lab File: VL042916.D
Acq: 08 Sep 2025 22:55

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 49 Resp: 134158
Ion Ratio Lower Upper
49 100
128 42.6 23.7 71.1
130 54.2 30.6 91.6

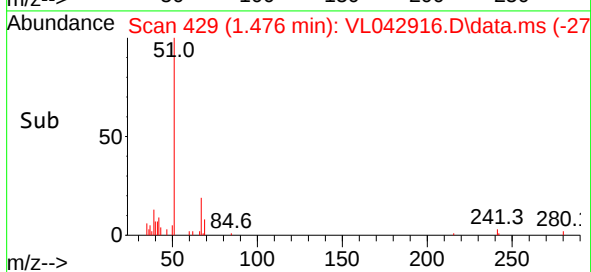
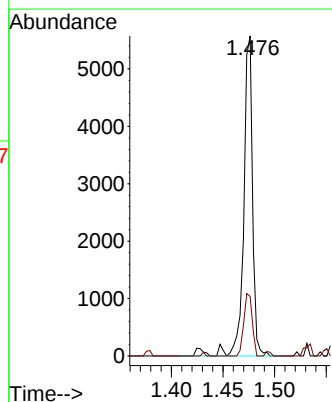
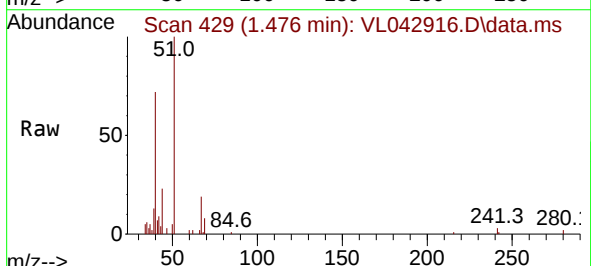
Manual Integrations
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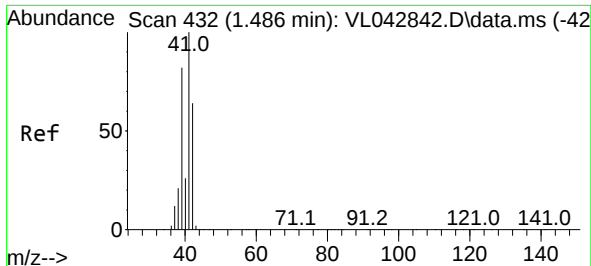
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#3
Chlorodifluoromethane
Concen: 0.153 ppbv
RT: 1.476 min Scan# 429
Delta R.T. 0.006 min
Lab File: VL042916.D
Acq: 08 Sep 2025 22:55

Tgt Ion: 51 Resp: 3328
Ion Ratio Lower Upper
51 100
67 19.2 14.9 22.3





#9

Propene

Concen: 0.524 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.010 min

Lab File: VL042916.D

Acq: 08 Sep 2025 22:55

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 41 Resp: 4910

Ion Ratio Lower Upper

41 100

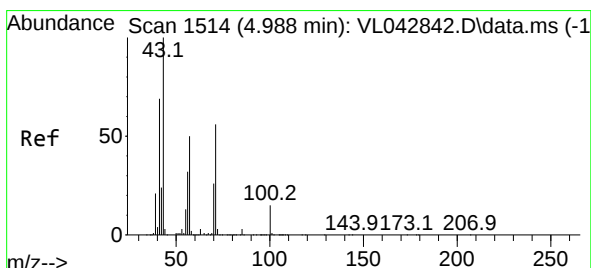
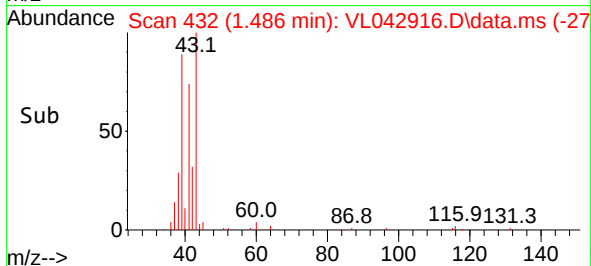
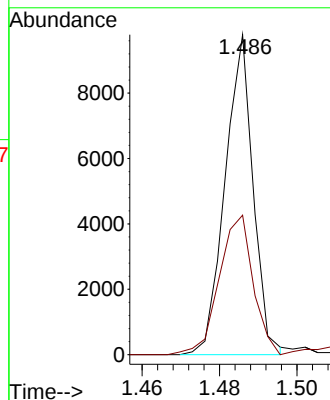
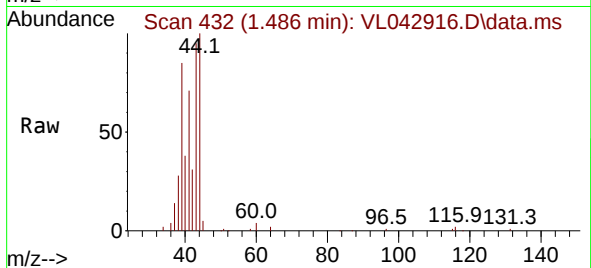
42 55.6 53.0 79.4

Manual Integrations

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#10

Heptane

Concen: 0.137 ppbv m

RT: 4.975 min Scan# 1510

Delta R.T. 0.016 min

Lab File: VL042916.D

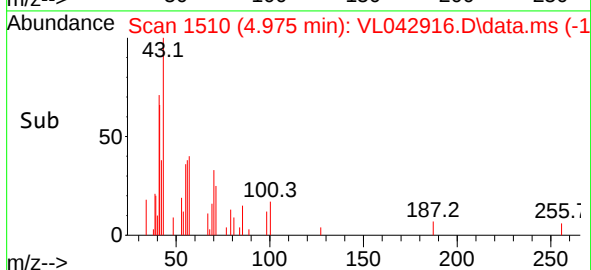
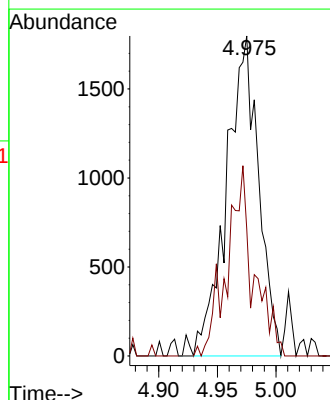
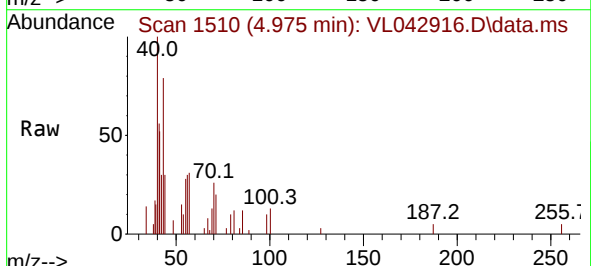
Acq: 08 Sep 2025 22:55

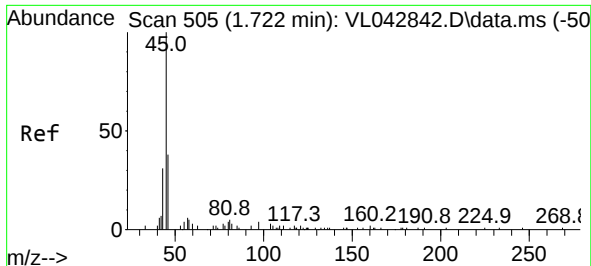
Tgt Ion: 43 Resp: 3442

Ion Ratio Lower Upper

43 100

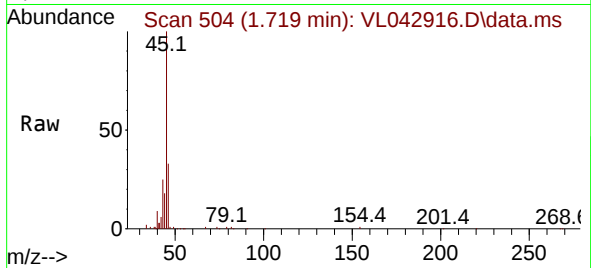
57 48.7 41.4 62.0





#13
Ethanol
Concen: 13.166 ppbv
RT: 1.719 min Scan# 504
Delta R.T. 0.003 min
Lab File: VL042916.D
Acq: 08 Sep 2025 22:55

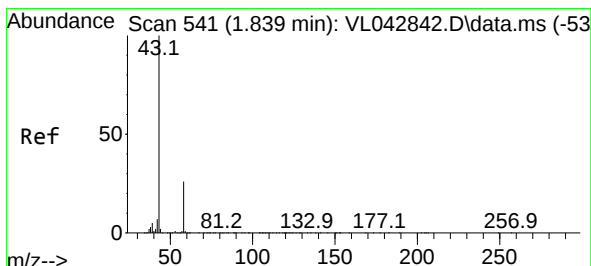
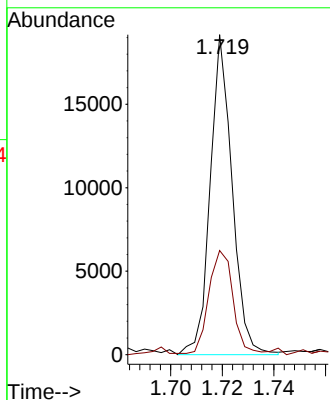
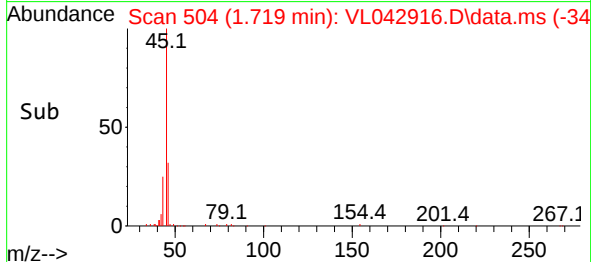
Instrument :
MSVOA_L
ClientSampleId :
SV2



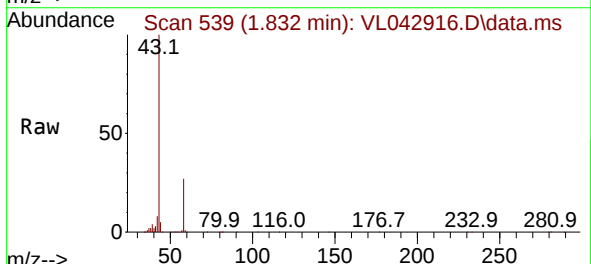
Tgt Ion: 45 Resp: 11299
Ion Ratio Lower Upper
45 100
46 41.4 17.5 69.9

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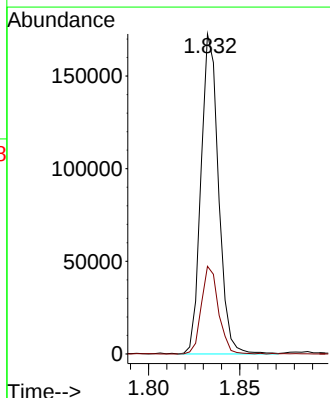
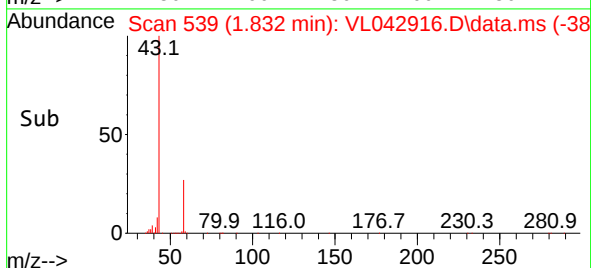
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Supervised By :Mahesh Dadoda 09/11/2025

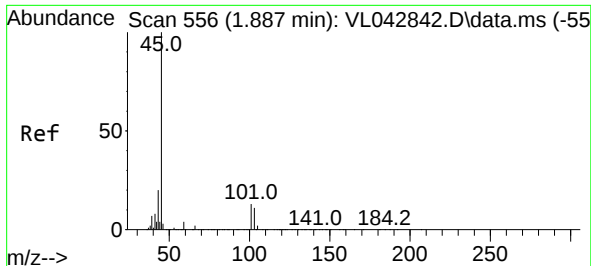


#15
Acetone
Concen: 6.533 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.003 min
Lab File: VL042916.D
Acq: 08 Sep 2025 22:55



Tgt Ion: 43 Resp: 115934
Ion Ratio Lower Upper
43 100
58 26.9 22.4 33.6





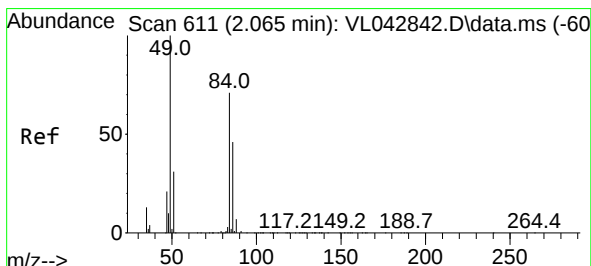
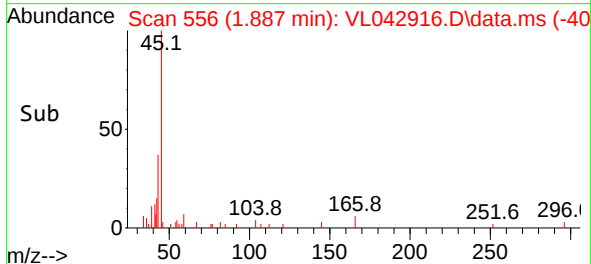
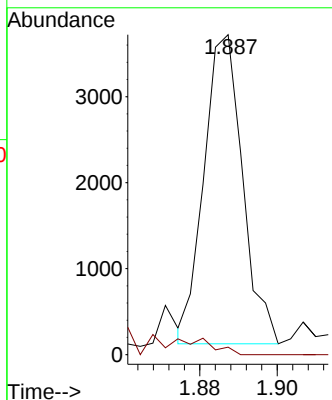
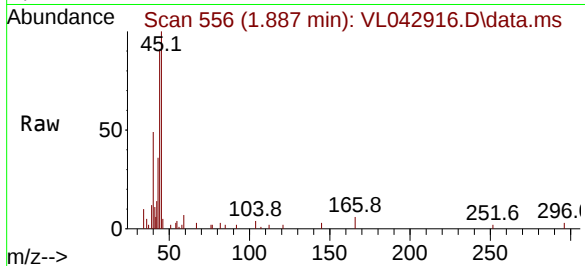
#19
Isopropyl Alcohol
Concen: 0.235 ppbv
RT: 1.887 min Scan# 51
Delta R.T. 0.006 min
Lab File: VL042916.D
Acq: 08 Sep 2025 22:55

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 45 Resp: 248
Ion Ratio Lower Upper
45 100
58 1252.4 32.7 49.1

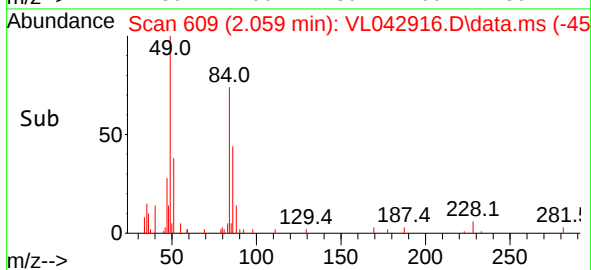
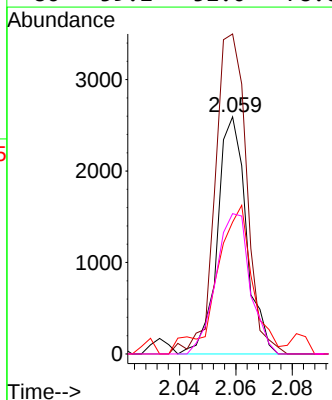
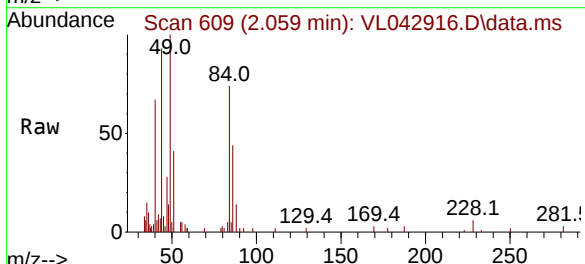
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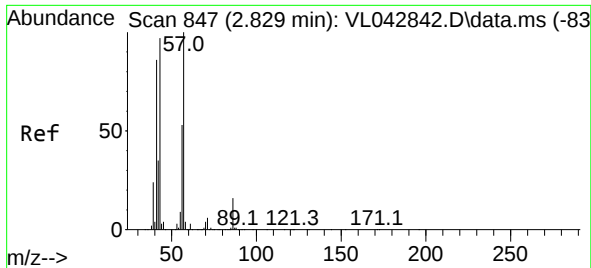
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#20
Methylene Chloride
Concen: 0.248 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL042916.D
Acq: 08 Sep 2025 22:55

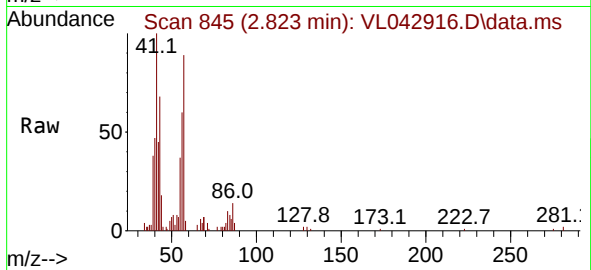
Tgt Ion: 84 Resp: 1840
Ion Ratio Lower Upper
84 100
49 130.6 112.3 168.5
51 52.5 36.0 54.0
86 59.2 52.0 78.0





#26
Hexane
Concen: 0.342 ppbv
RT: 2.823 min Scan# 847
Delta R.T. 0.006 min
Lab File: VL042916.D
Acq: 08 Sep 2025 22:55

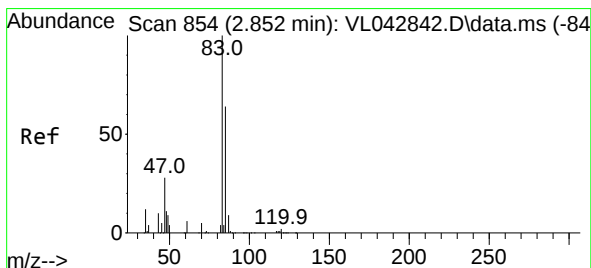
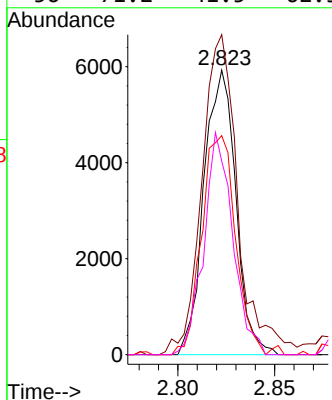
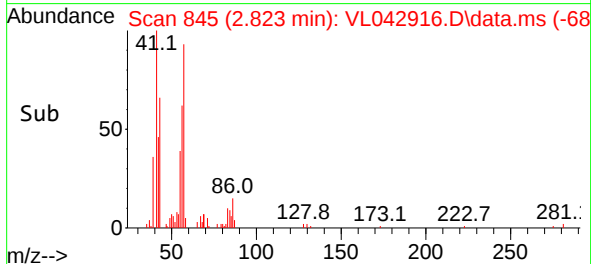
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 57 Resp: 6775
Ion Ratio Lower Upper
57 100
41 128.1 68.6 103.0
43 82.8 168.5 252.7
56 71.2 41.5 62.3

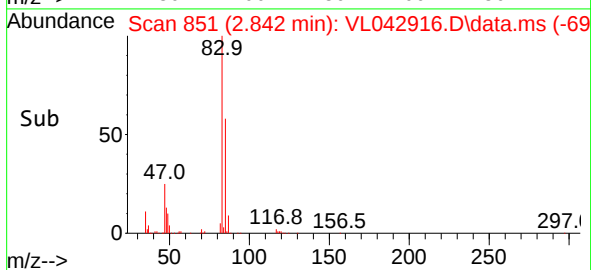
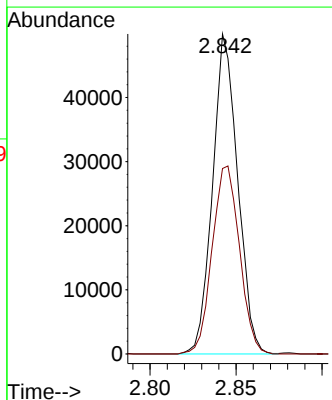
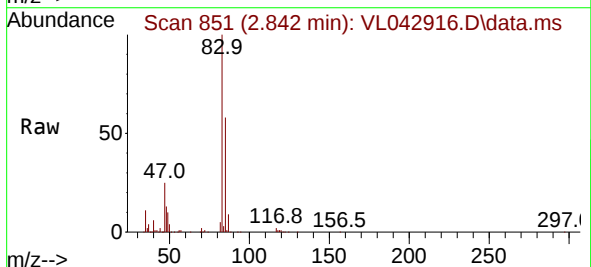
Manual Integrations
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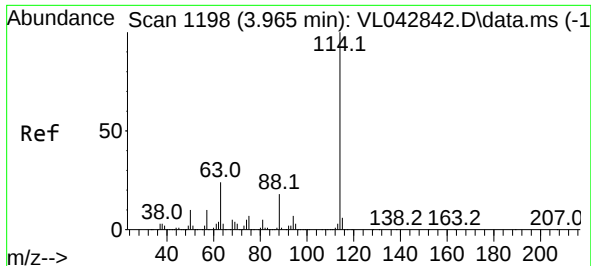
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#29
Chloroform
Concen: 1.790 ppbv
RT: 2.842 min Scan# 851
Delta R.T. 0.003 min
Lab File: VL042916.D
Acq: 08 Sep 2025 22:55

Tgt Ion: 83 Resp: 50661
Ion Ratio Lower Upper
83 100
85 58.0 51.1 76.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. 0.010 min

Lab File: VL042916.D

Acq: 08 Sep 2025 22:55

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion:114 Resp: 332360

Ion Ratio Lower Upper

114 100

63 26.6 19.7 29.5

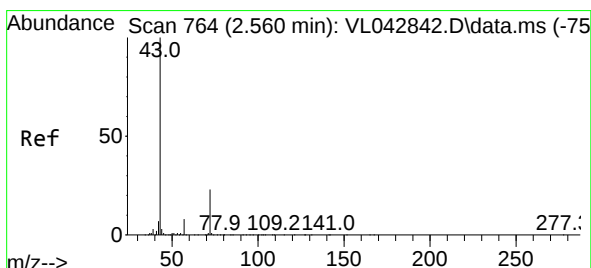
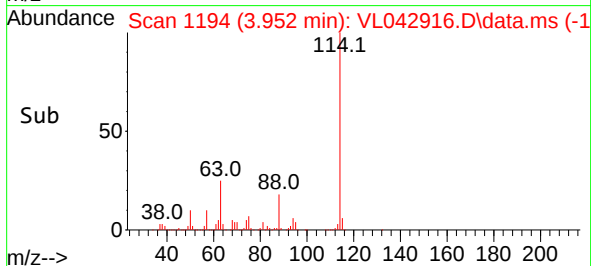
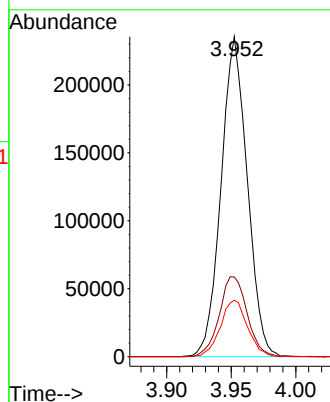
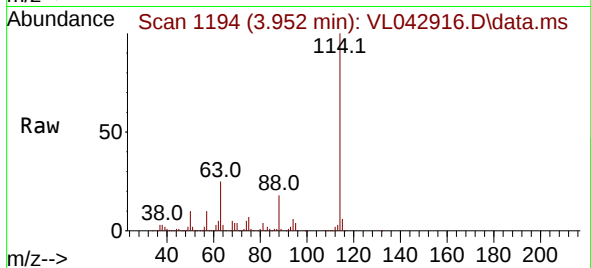
88 18.2 14.4 21.6

Manual Integrations

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Supervised By :Mahesh Dadoda 09/11/2025



#34

2-Butanone

Concen: 0.114 ppbv

RT: 2.561 min Scan# 764

Delta R.T. 0.013 min

Lab File: VL042916.D

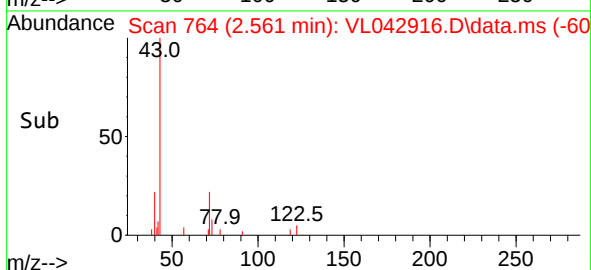
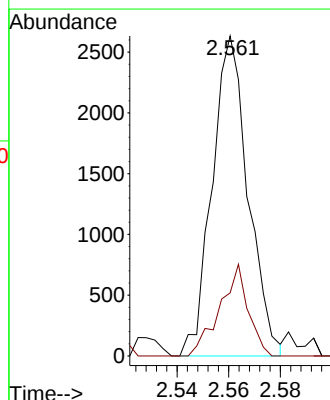
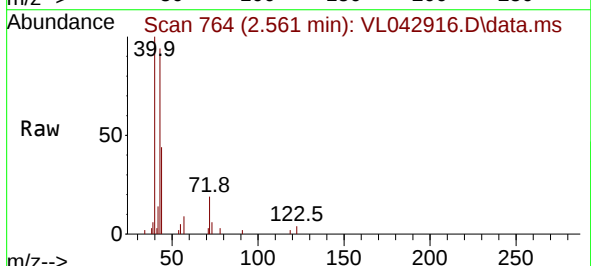
Acq: 08 Sep 2025 22:55

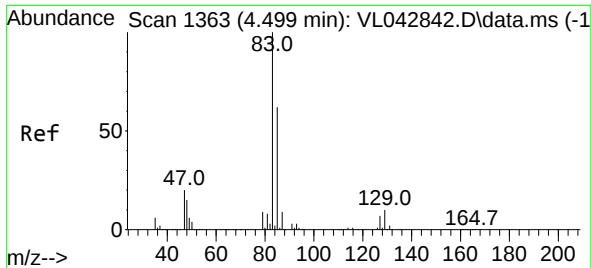
Tgt Ion: 43 Resp: 2551

Ion Ratio Lower Upper

43 100

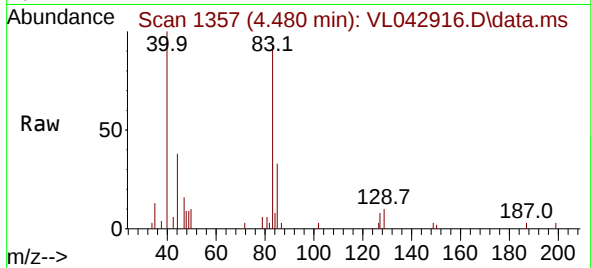
72 22.5 18.6 28.0





#42
Bromodichloromethane
Concen: 0.148 ppbv m
RT: 4.480 min Scan# 11
Delta R.T. 0.006 min
Lab File: VL042916.D
Acq: 08 Sep 2025 22:55

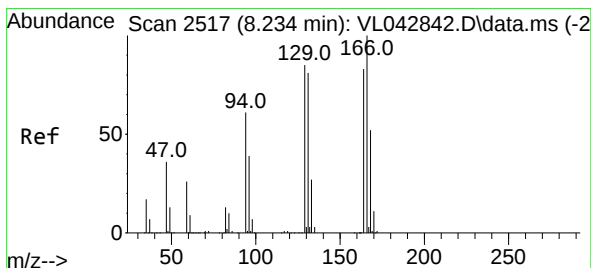
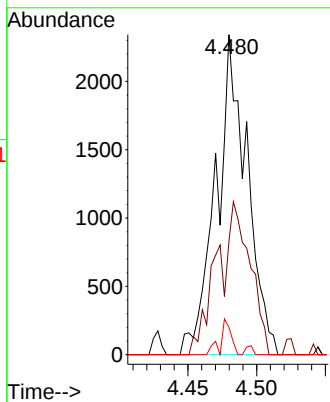
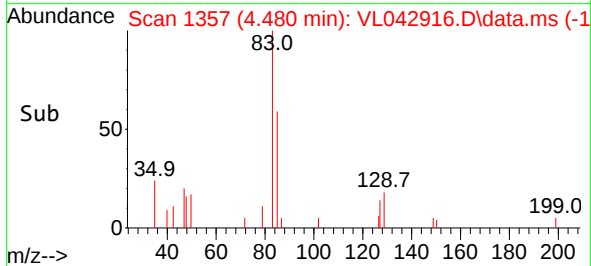
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 83 Resp: 3679
Ion Ratio Lower Upper
83 100
85 35.3 49.8 74.8
127 8.6 5.8 8.6

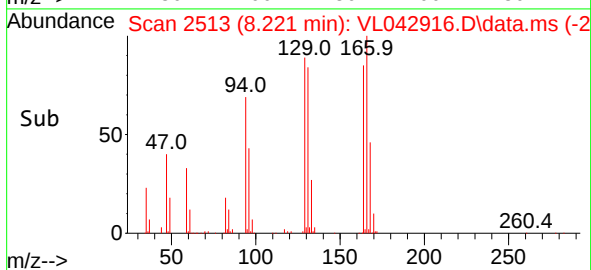
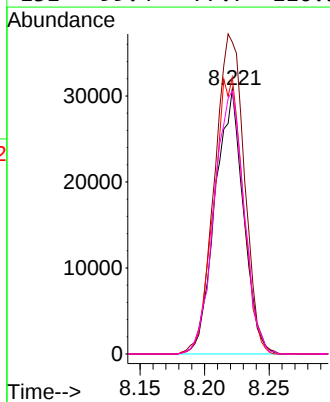
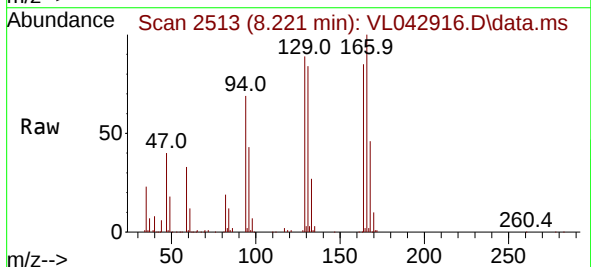
Manual Integrations
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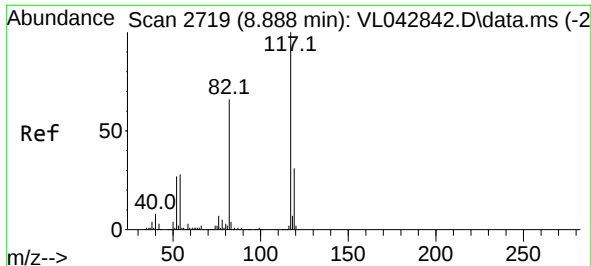
Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#52
Tetrachloroethene
Concen: 4.060 ppbv
RT: 8.221 min Scan# 2513
Delta R.T. 0.010 min
Lab File: VL042916.D
Acq: 08 Sep 2025 22:55

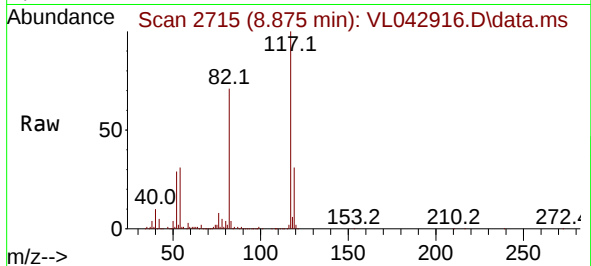
Tgt Ion:164 Resp: 46741
Ion Ratio Lower Upper
164 100
166 117.8 96.5 144.7
129 104.5 81.8 122.6
131 99.4 77.7 116.5





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 21
Delta R.T. 0.006 min
Lab File: VL042916.D
Acq: 08 Sep 2025 22:55

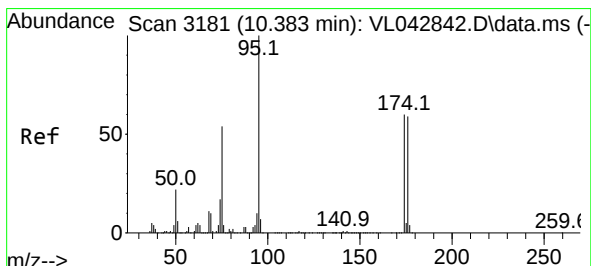
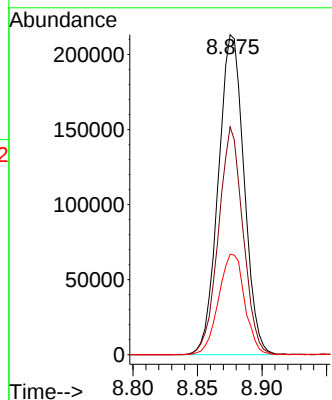
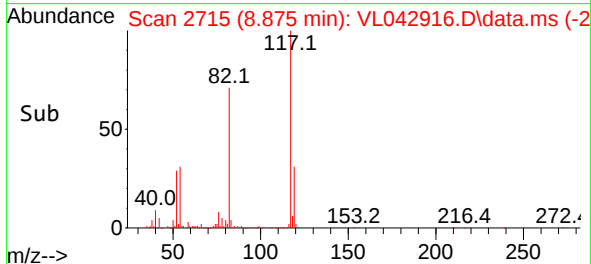
Instrument :
MSVOA_L
ClientSampleId :
SV2



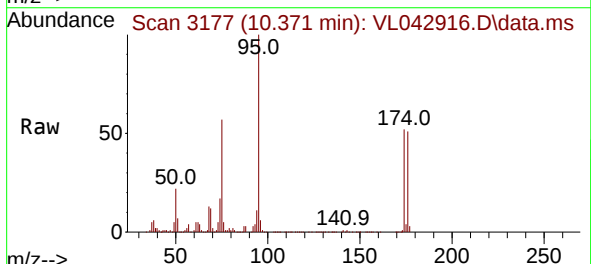
Tgt Ion: 117 Resp: 295290
Ion Ratio Lower Upper
117 100
82 68.1 54.6 81.8
119 31.9 25.9 38.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/09/2025
Supervised By :Mahesh Dadoda 09/11/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 11.118 ppbv
RT: 10.371 min Scan# 3177
Delta R.T. 0.006 min
Lab File: VL042916.D
Acq: 08 Sep 2025 22:55



Tgt Ion: 95 Resp: 246216
Ion Ratio Lower Upper
95 100
174 55.9 48.4 72.6
175 4.0 3.8 5.8

