

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
 Data File : VL043172.D
 Acq On : 06 Nov 2025 17:35
 Operator : SY/MD
 Sample : Q3557-02DL 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 141-IA-1DL

Quant Time: Nov 07 00:25:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Aug 2025
 QLast Update : Wed Oct 15 02:12:58 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Semsettin Yesilyurt 11/07/2025
 Supervised By : Mahesh Dadoda 11/10/2025

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

Internal Standards						
1) Bromochloromethane	2.787	49	118952	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.955	114	326674	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	276195	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.371	95	218383	10.173	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.700%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	6052	0.358	ppbv #	87
4) Chloromethane	1.534	50	786	0.117	ppbv #	88
9) Propene	1.486	41	5436m	0.670	ppbv	
13) Ethanol	1.722	45	18986	6.325	ppbv	94
15) Acetone	1.835	43	46549	2.903	ppbv	97
19) Isopropyl Alcohol	1.887	45	3123m	0.313	ppbv	
20) Methylene Chloride	2.062	84	23578	3.720	ppbv	90
26) Hexane	2.826	57	23868	1.303	ppbv #	40
34) 2-Butanone	2.557	43	8478	0.386	ppbv	94
36) Benzene	3.654	78	3136m	0.102	ppbv	
51) 2-Hexanone	7.445	43	2603m	0.115	ppbv	
53) Toluene	6.920	91	4747m	0.130	ppbv	

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

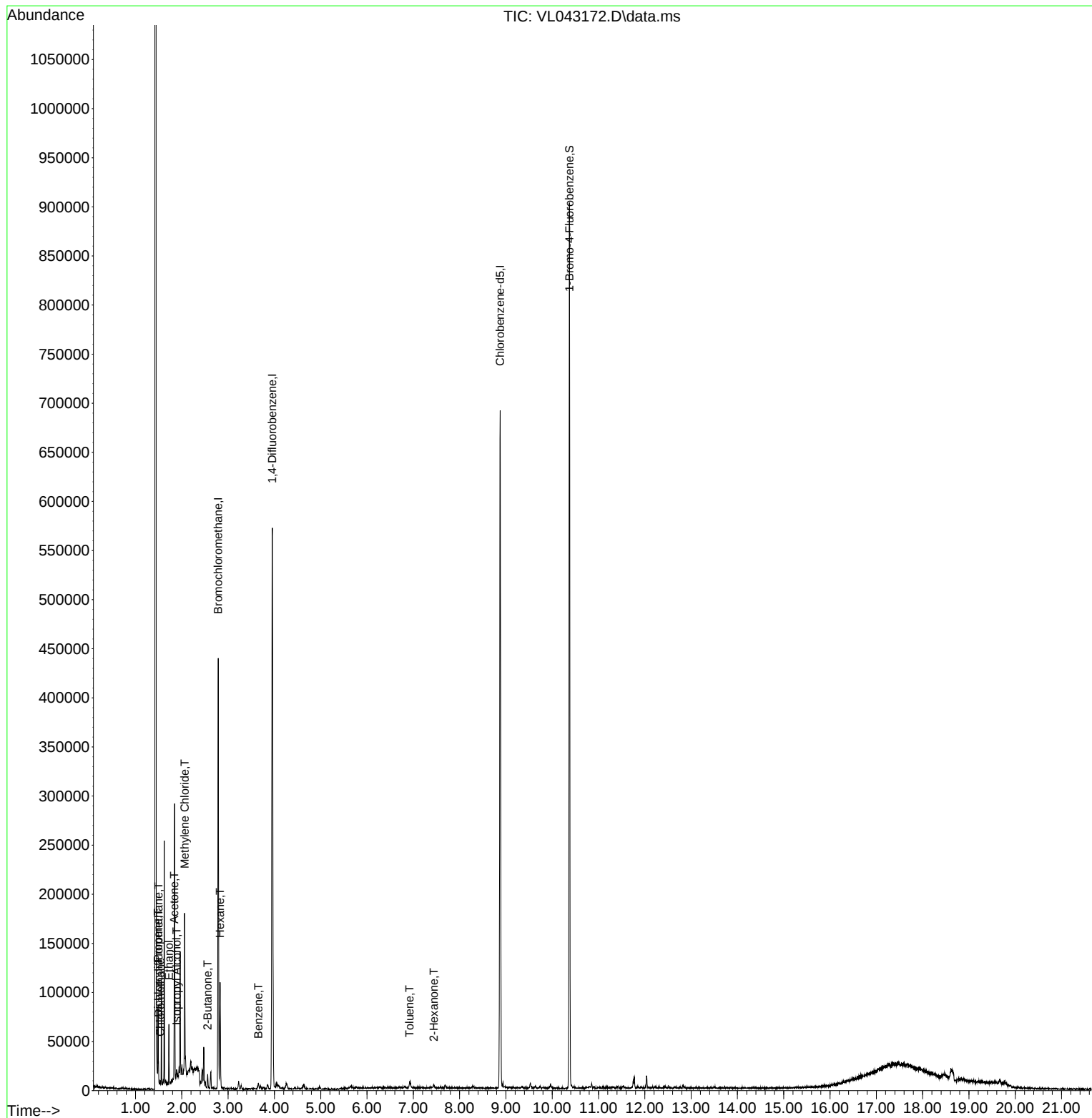
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110625\
Data File : VL043172.D
Acq On : 06 Nov 2025 17:35
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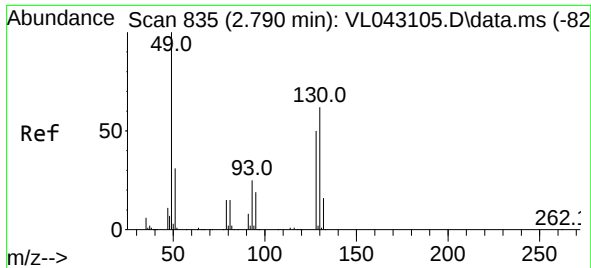
Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Quant Time: Nov 07 00:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL101425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Oct 15 02:12:58 2025
Response via : Initial Calibration

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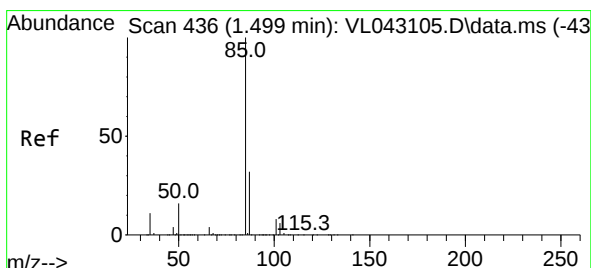
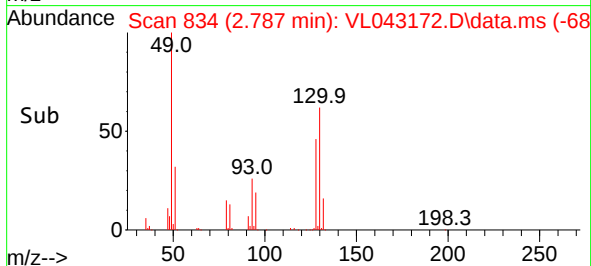
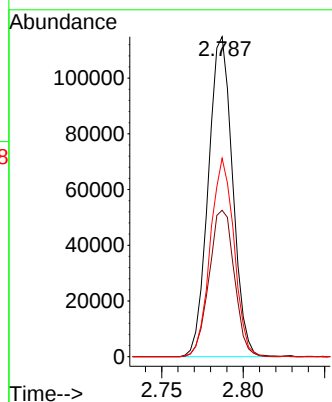
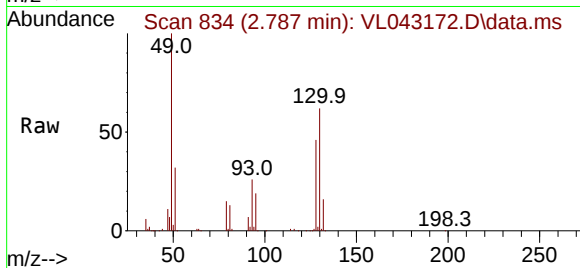
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.787 min Scan# 81
Delta R.T. -0.003 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 49 Resp: 118952
Ion Ratio Lower Upper
49 100
128 47.5 24.4 73.4
130 60.7 31.0 93.0

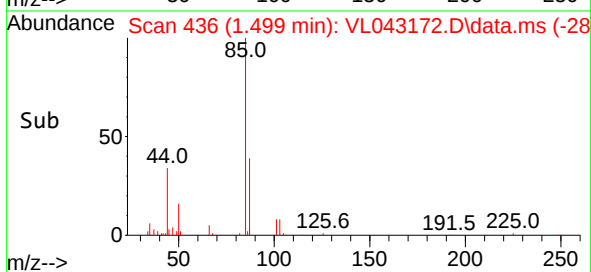
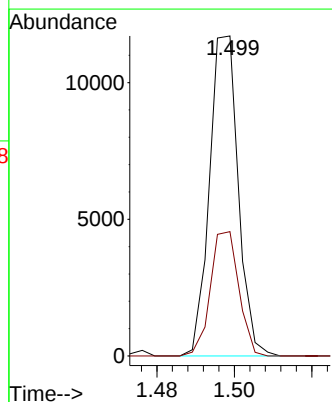
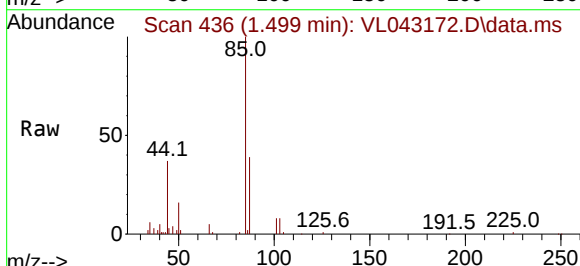
Manual Integrations
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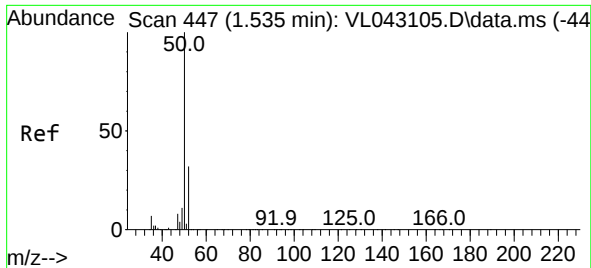
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#2
Dichlorodifluoromethane
Concen: 0.358 ppbv
RT: 1.499 min Scan# 436
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

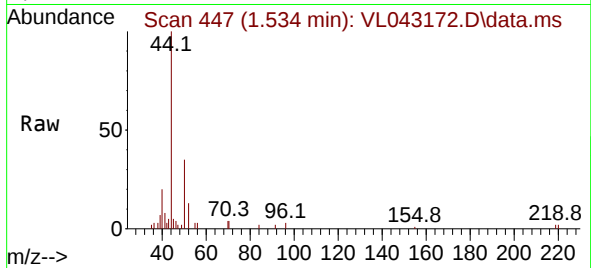
Tgt Ion: 85 Resp: 6052
Ion Ratio Lower Upper
85 100
87 38.8 25.3 37.9





#4
Chloromethane
Concen: 0.117 ppbv
RT: 1.534 min Scan# 447
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

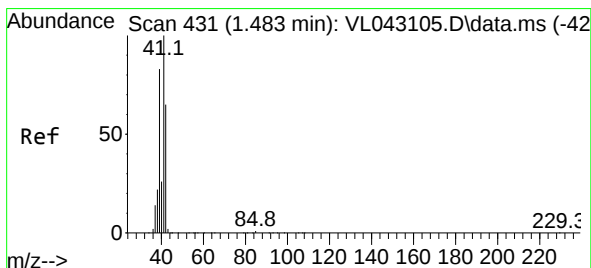
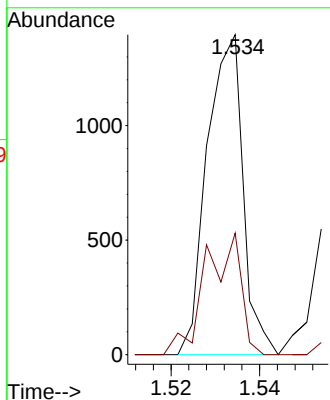
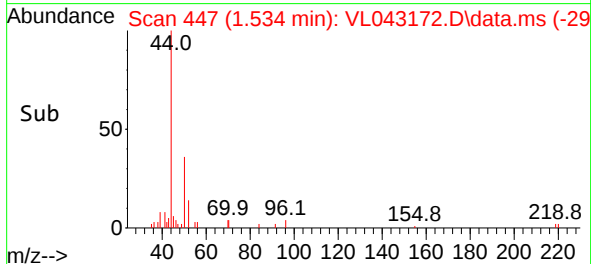
Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL



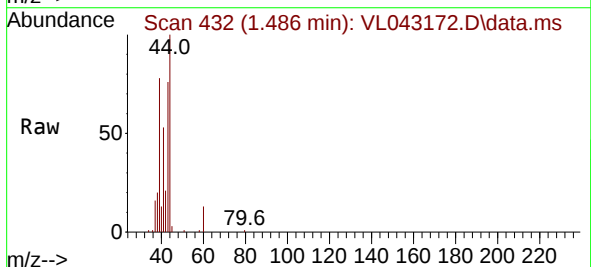
Tgt Ion: 50 Resp: 780
Ion Ratio Lower Upper
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52 38.0 25.2 37.8

Manual Integrations
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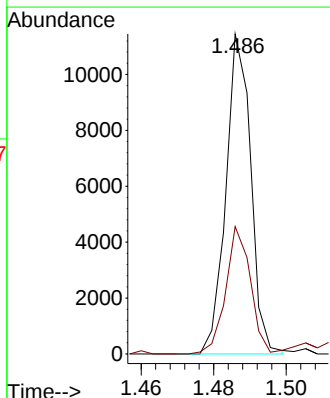
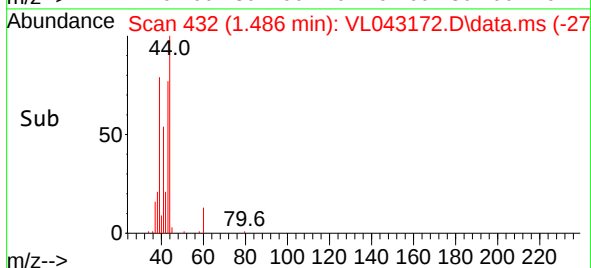
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025

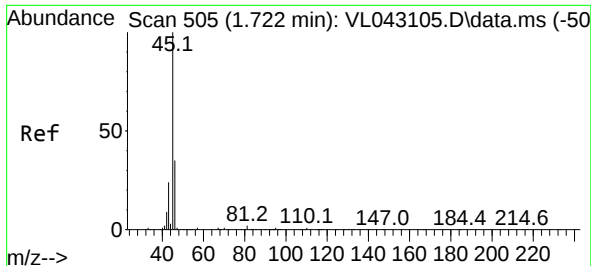


#9
Propene
Concen: 0.670 ppbv m
RT: 1.486 min Scan# 432
Delta R.T. 0.003 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35



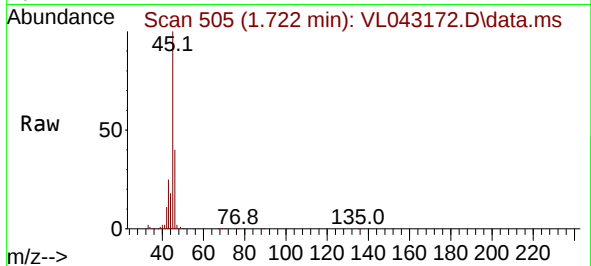
Tgt Ion: 41 Resp: 5436
Ion Ratio Lower Upper
41 100
42 153.5 55.1 82.7





#13
Ethanol
Concen: 6.325 ppbv
RT: 1.722 min Scan# 505
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

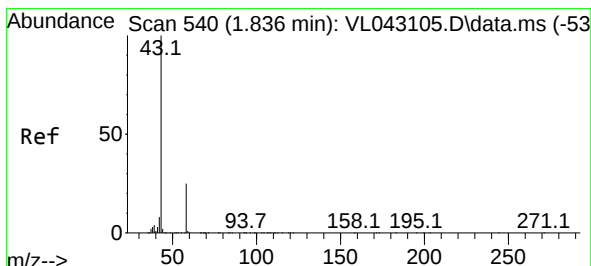
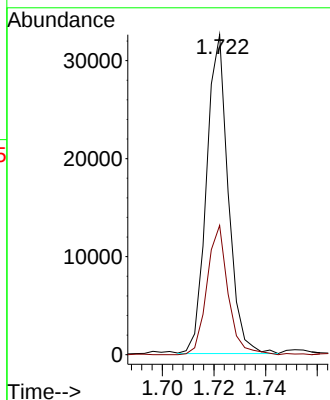
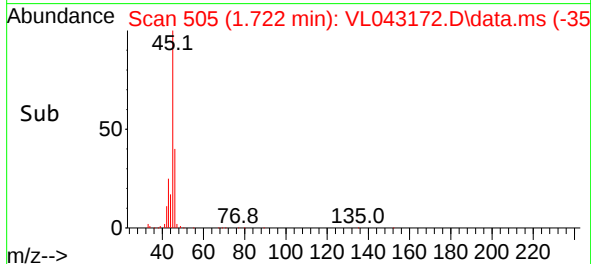
Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL



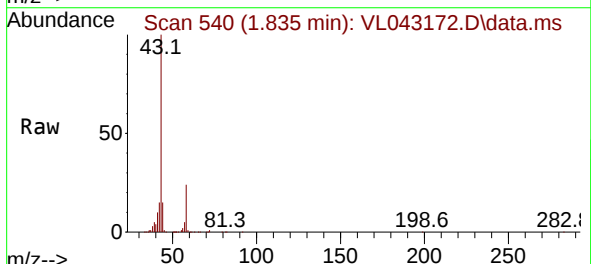
Tgt Ion: 45 Resp: 18980
Ion Ratio Lower Upper
45 100
46 40.1 14.7 58.9

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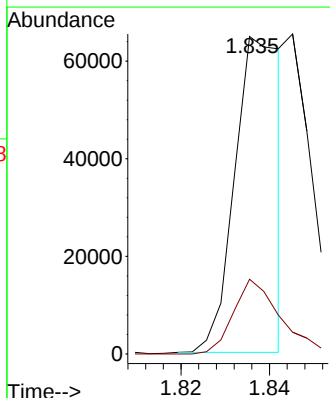
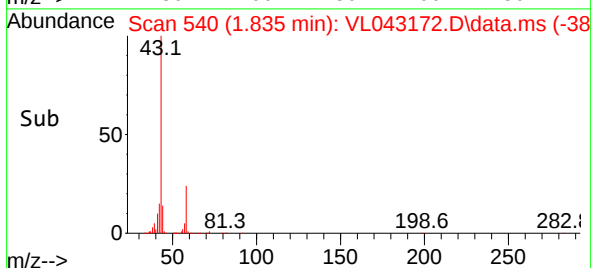
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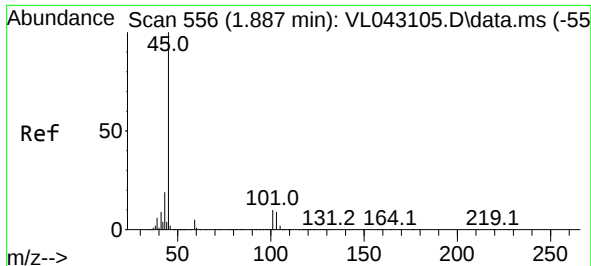


#15
Acetone
Concen: 2.903 ppbv
RT: 1.835 min Scan# 540
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35



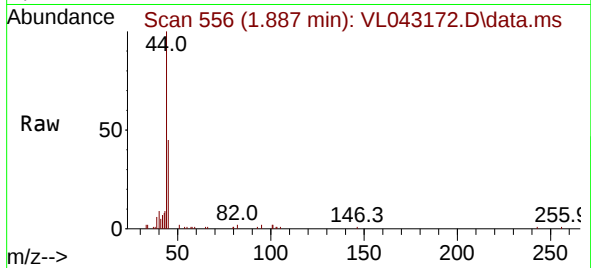
Tgt Ion: 43 Resp: 46549
Ion Ratio Lower Upper
43 100
58 24.3 20.8 31.2





#19
Isopropyl Alcohol
Concen: 0.313 ppbv m
RT: 1.887 min Scan# 511
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

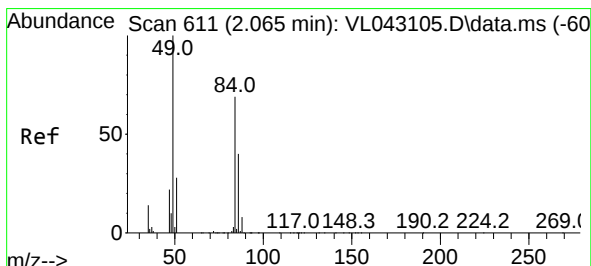
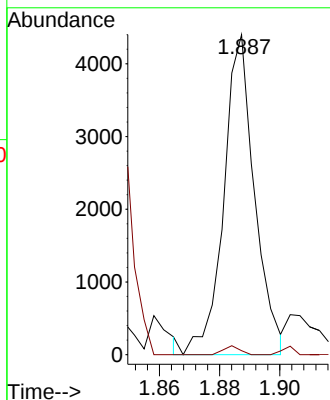
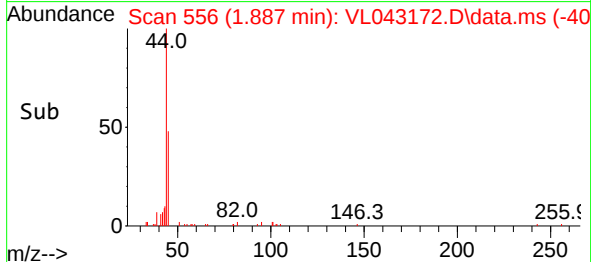
Instrument :
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141-IA-1DL



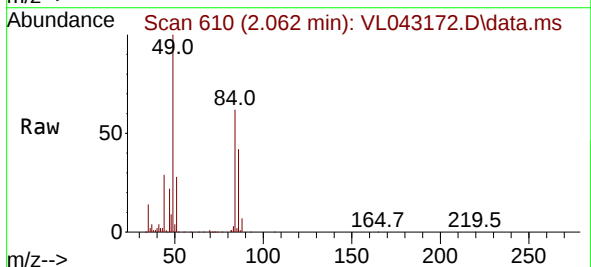
Tgt Ion: 45 Resp: 312
Ion Ratio Lower Upper
45 100
58 242.4 31.3 46.9

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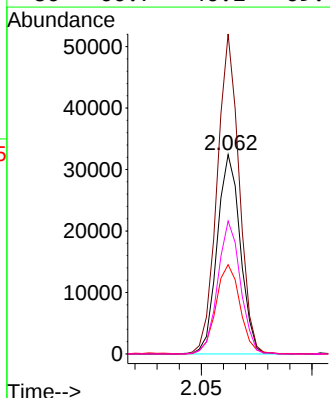
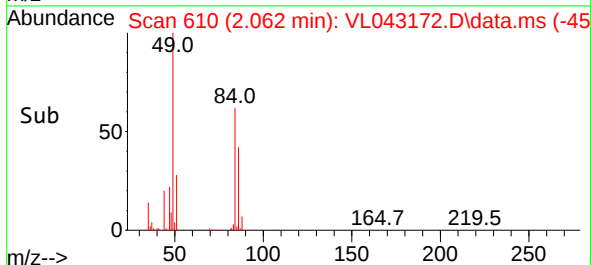
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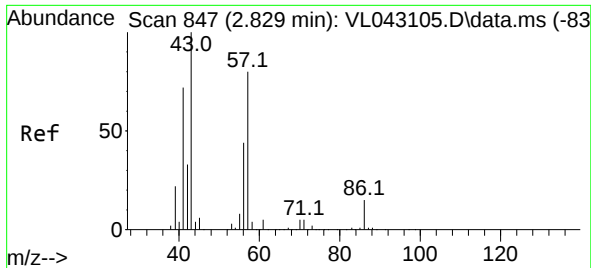


#20
Methylene Chloride
Concen: 3.720 ppbv
RT: 2.062 min Scan# 610
Delta R.T. -0.003 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35



Tgt Ion: 84 Resp: 23578
Ion Ratio Lower Upper
84 100
49 160.5 116.6 175.0
51 44.8 34.8 52.2
86 66.7 46.2 69.4





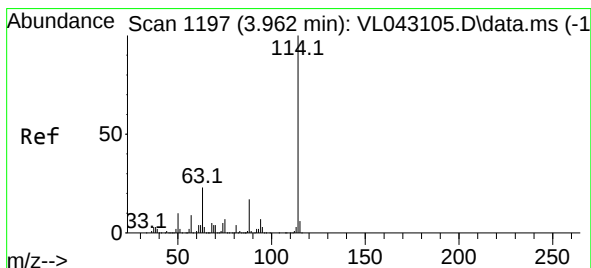
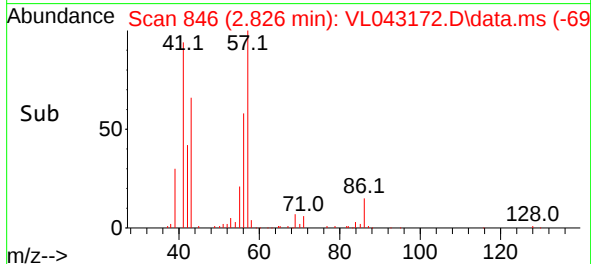
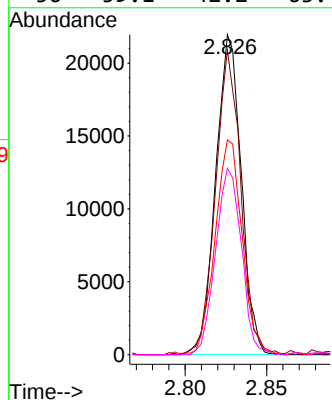
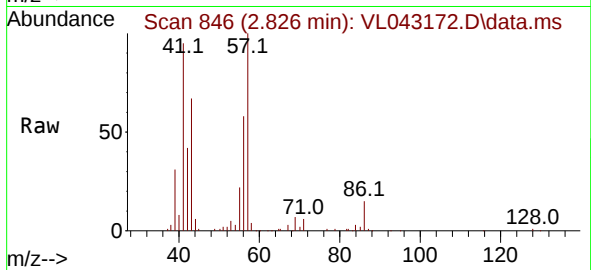
#26
Hexane
Concen: 1.303 ppbv
RT: 2.826 min Scan# 847
Delta R.T. -0.003 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 57 Resp: 2386
Ion Ratio Lower Upper
57 100
41 95.0 71.4 107.0
43 71.9 178.5 267.7
56 59.1 42.2 63.4

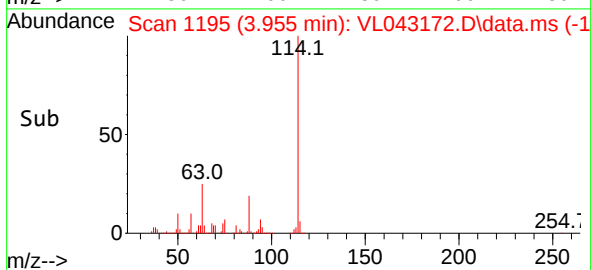
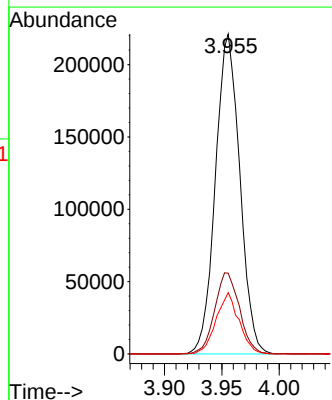
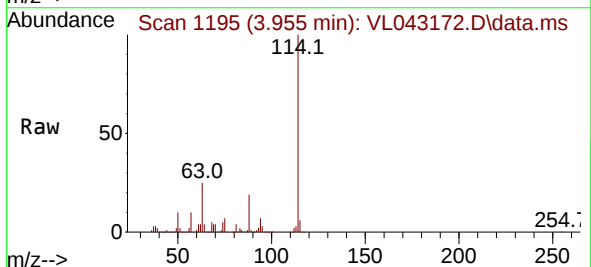
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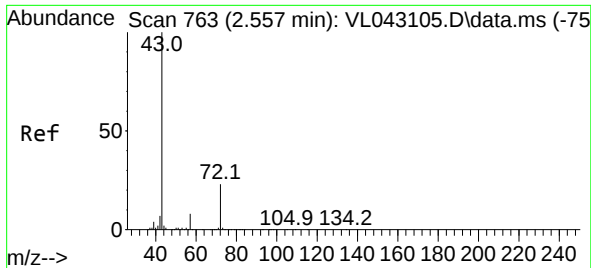
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.955 min Scan# 1195
Delta R.T. -0.007 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

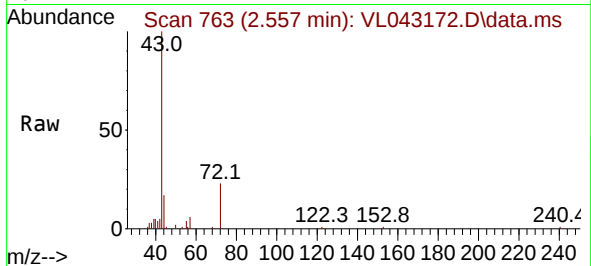
Tgt Ion:114 Resp: 326674
Ion Ratio Lower Upper
114 100
63 25.8 19.3 28.9
88 18.1 13.9 20.9





#34
2-Butanone
Concen: 0.386 ppbv
RT: 2.557 min Scan# 70
Delta R.T. -0.000 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

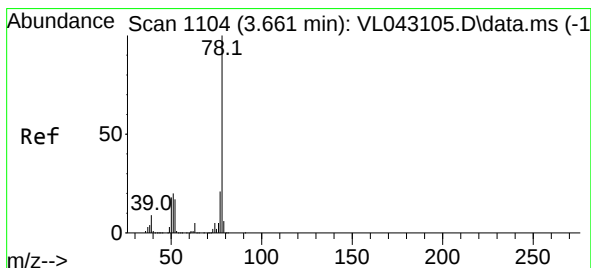
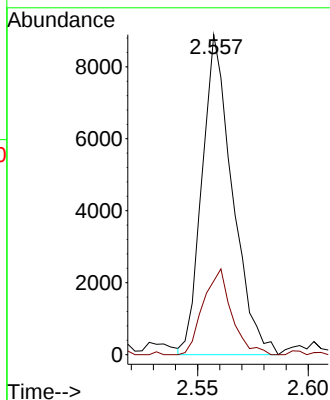
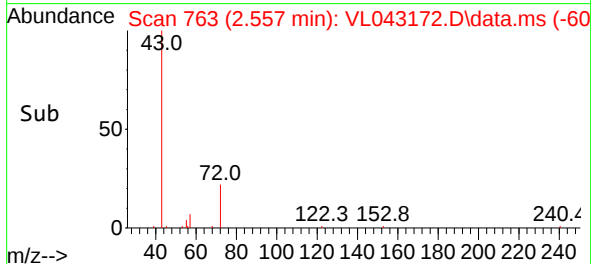
Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL



Tgt Ion: 43 Resp: 8478
Ion Ratio Lower Upper
43 100
72 25.7 18.4 27.6

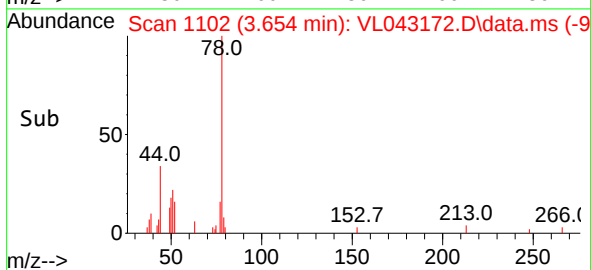
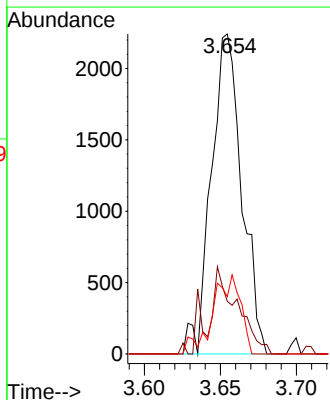
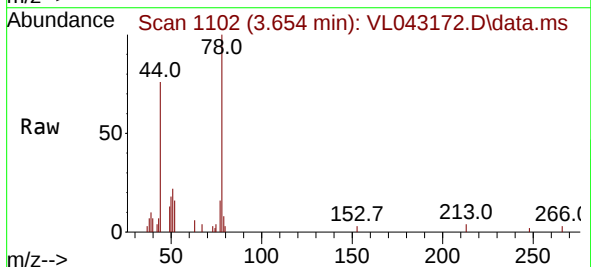
Manual Integrations
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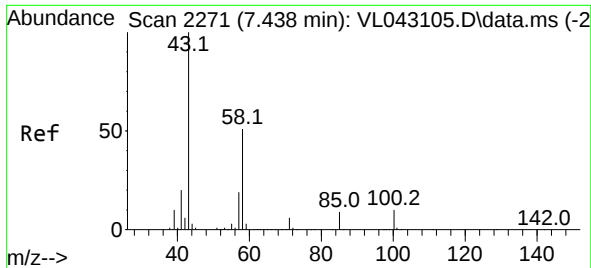
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#36
Benzene
Concen: 0.102 ppbv m
RT: 3.654 min Scan# 1102
Delta R.T. -0.007 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 78 Resp: 3136
Ion Ratio Lower Upper
78 100
77 16.5 17.0 25.6#
50 17.9 14.6 22.0





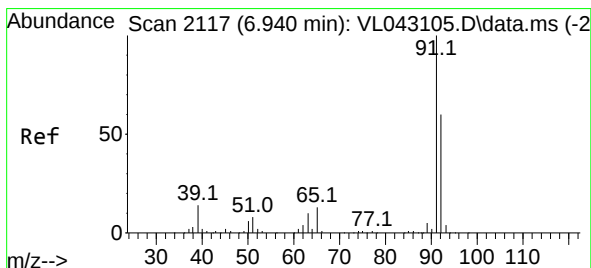
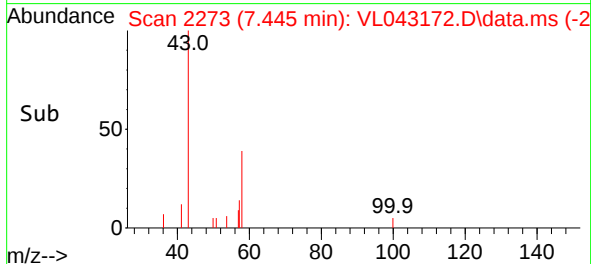
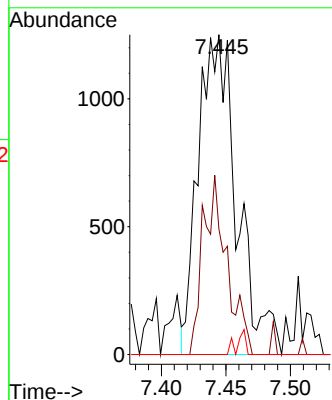
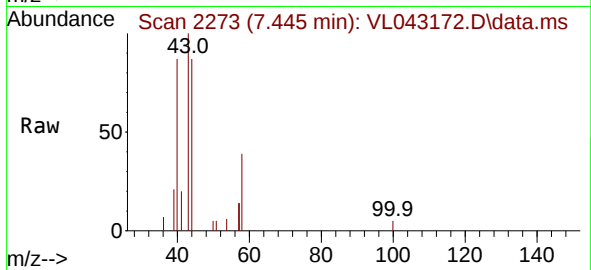
#51
2-Hexanone
Concen: 0.115 ppbv m
RT: 7.445 min Scan# 2111
Delta R.T. 0.006 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Instrument :
MSVOA_L
ClientSampleId :
141-IA-1DL

Tgt Ion: 43 Resp: 260
Ion Ratio Lower Upper
43 100
58 0.0 40.4 60.6
98 0.0 0.1 0.1

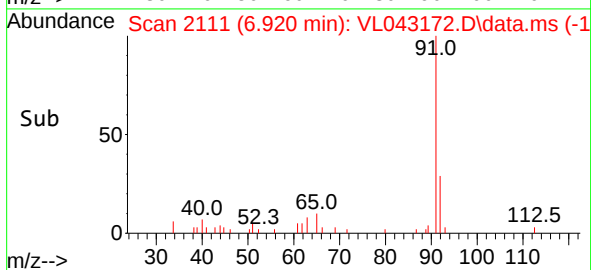
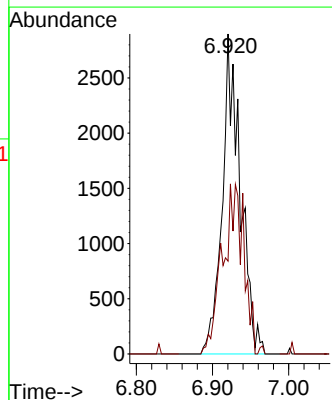
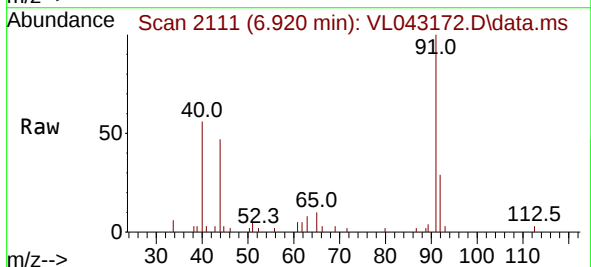
Manual Integrations
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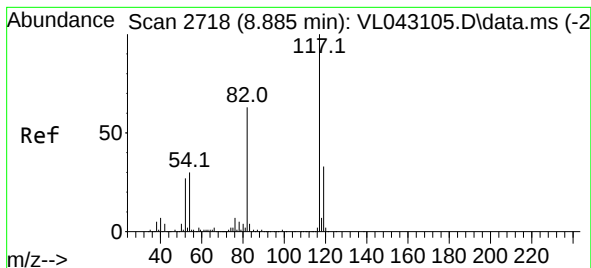
Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#53
Toluene
Concen: 0.130 ppbv m
RT: 6.920 min Scan# 2111
Delta R.T. -0.020 min
Lab File: VL043172.D
Acq: 06 Nov 2025 17:35

Tgt Ion: 91 Resp: 4747
Ion Ratio Lower Upper
91 100
92 63.4 48.8 73.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.875 min Scan# 21

Delta R.T. -0.010 min

Lab File: VL043172.D

Acq: 06 Nov 2025 17:35

Instrument :

MSVOA_L

ClientSampleId :

141-IA-1DL

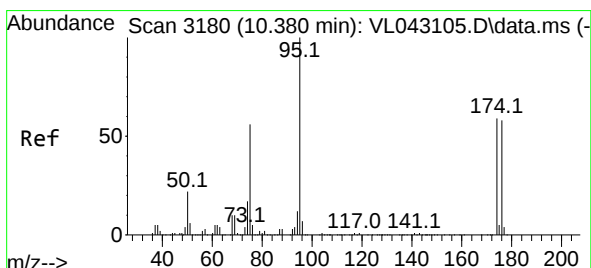
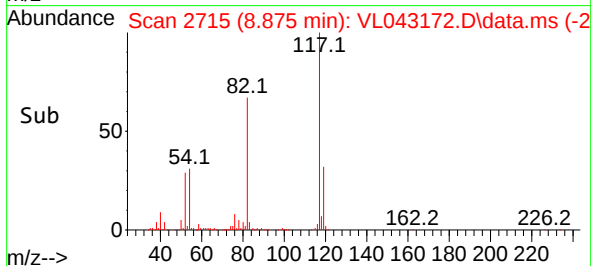
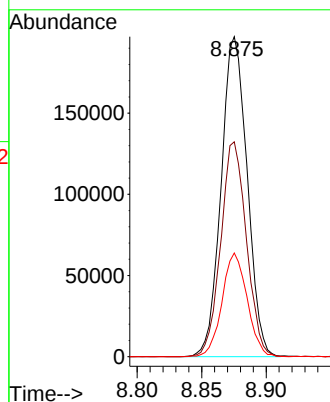
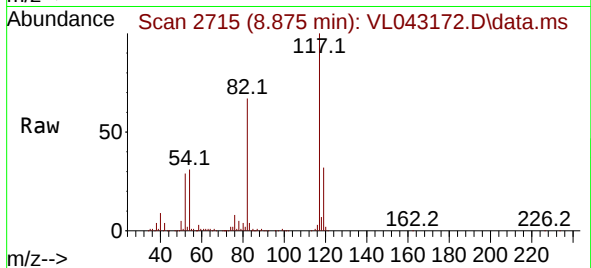
Tgt Ion: 117 Resp: 27619

Ion	Ratio	Lower	Upper
117	100		
82	66.3	53.8	80.8
119	31.3	25.4	38.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/07/2025
Supervised By :Mahesh Dadoda 11/10/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 10.173 ppbv

RT: 10.371 min Scan# 3177

Delta R.T. -0.010 min

Lab File: VL043172.D

Acq: 06 Nov 2025 17:35

Tgt Ion: 95 Resp: 218383

Ion	Ratio	Lower	Upper
95	100		
174	63.6	48.3	72.5
175	4.6	3.8	5.8

