

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043311.D
 Acq On : 08 Dec 2025 13:16
 Operator : SY/MD
 Sample : Q3799-01DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DUP

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025

Quant Time: Dec 09 00:11:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 2
 QLast Update : Wed Nov 19 01:11:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.784	49	155357	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.949	114	397814	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.872	117	318793	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.367	95	229577	9.825	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	8883	0.405	ppbv	96
3) Chlorodifluoromethane	1.473	51	5370m	0.249	ppbv	
4) Chloromethane	1.531	50	17124	2.090	ppbv #	87
9) Propene	1.486	41	6430	0.703	ppbv #	1
11) Trichlorofluoromethane	1.875	101	4183	0.197	ppbv	90
13) Ethanol	1.719	45	12812	3.982	ppbv	99
15) Acetone	1.832	43	103724	4.806	ppbv	95
19) Isopropyl Alcohol	1.884	45	9039	0.741	ppbv #	1
20) Methylene Chloride	2.059	84	24089	3.258	ppbv	95
26) Hexane	2.823	57	29316	1.436	ppbv #	41
29) Chloroform	2.846	83	4392	0.151	ppbv	92
34) 2-Butanone	2.557	43	14218	0.506	ppbv	98
35) Carbon Tetrachloride	3.758	117	2821m	0.093	ppbv	
36) Benzene	3.648	78	6108	0.160	ppbv	94
53) Toluene	6.924	91	5234m	0.116	ppbv	

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

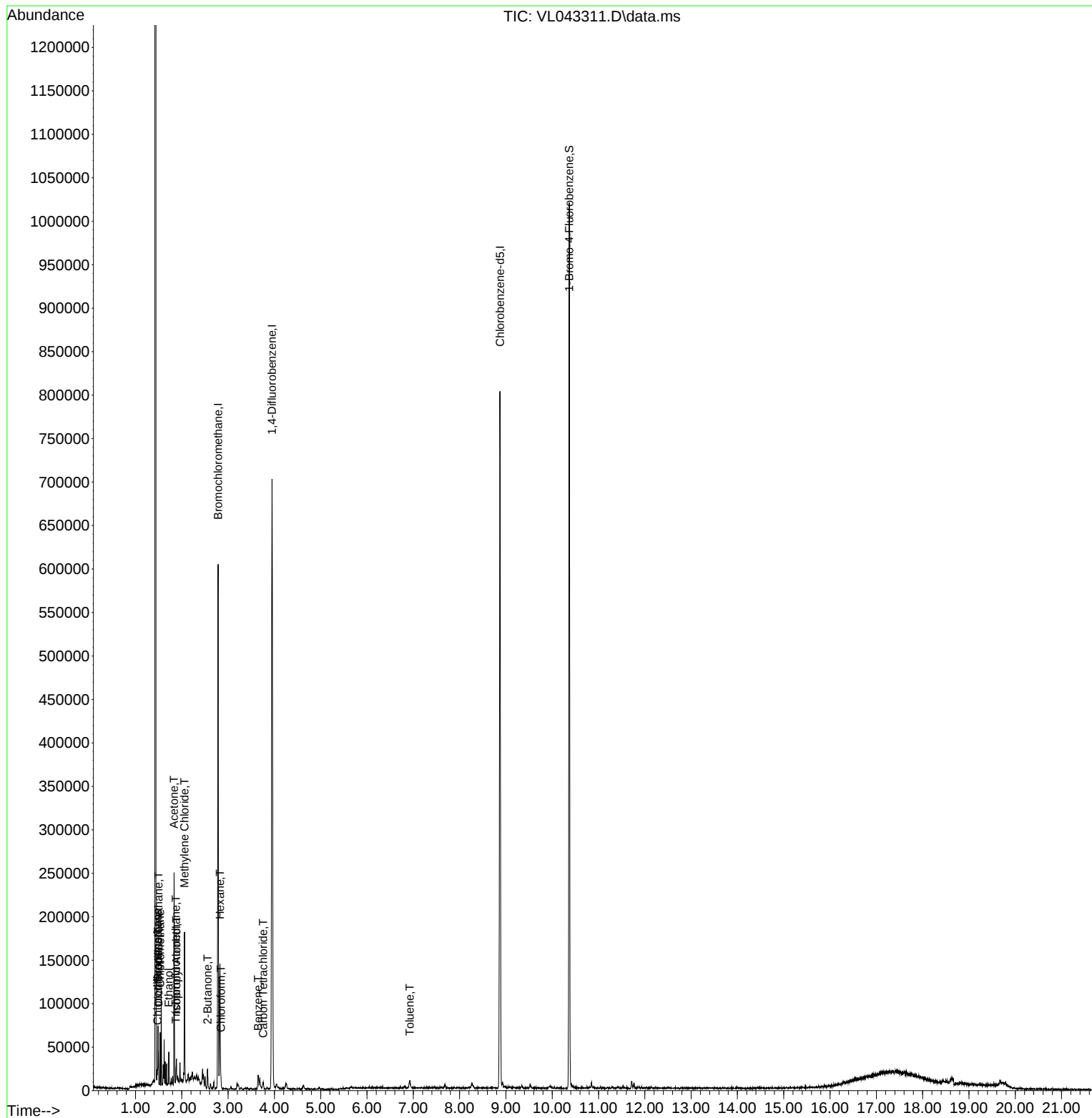
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
Data File : VL043311.D
Acq On : 08 Dec 2025 13:16
Operator : SY/MD
Sample : Q3799-01DUP
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

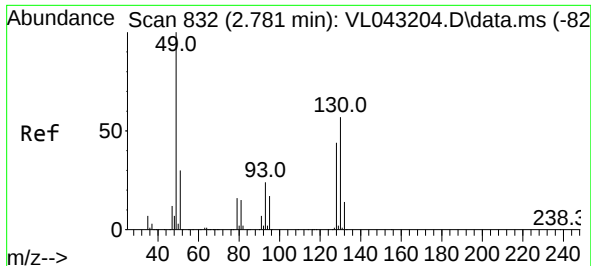
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Quant Time: Dec 09 00:11:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL11825AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Nov 19 01:11:25 2025
Response via : Initial Calibration

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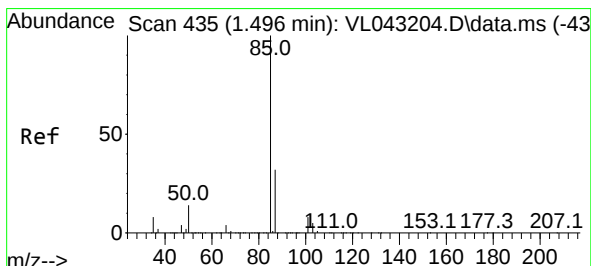
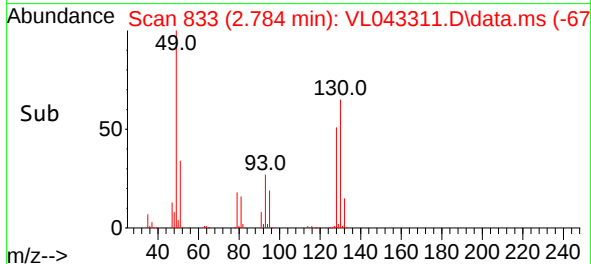
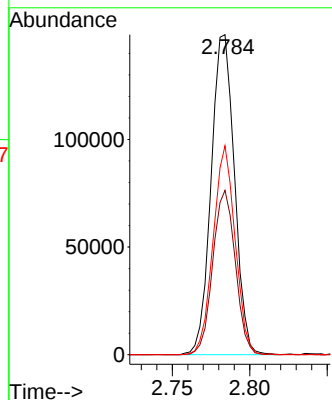
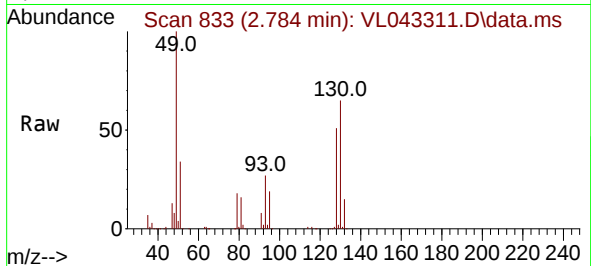
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tgt Ion: 49 Resp: 15535
Ion Ratio Lower Upper
49 100
128 49.7 23.0 69.0
130 61.6 29.9 89.7

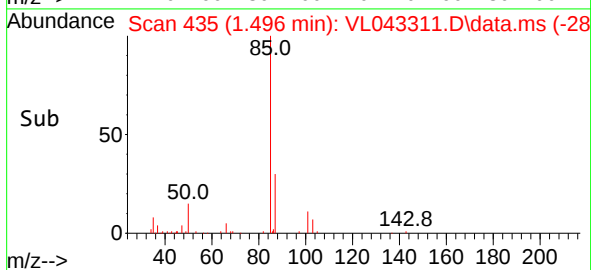
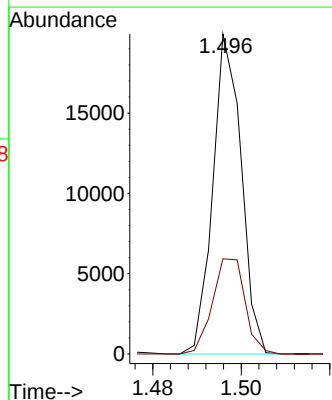
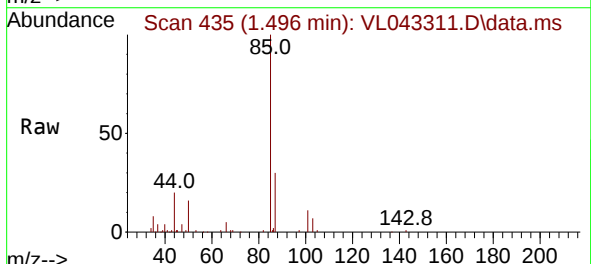
Manual Integrations
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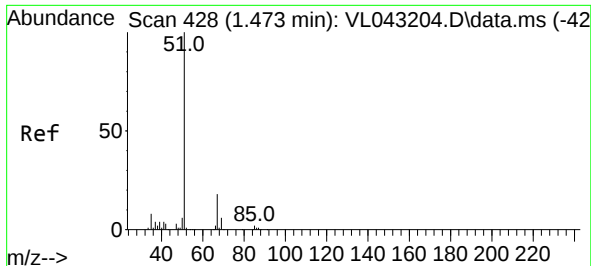
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#2
Dichlorodifluoromethane
Concen: 0.405 ppbv
RT: 1.496 min Scan# 435
Delta R.T. 0.000 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16

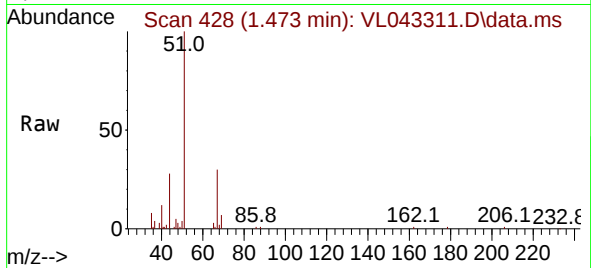
Tgt Ion: 85 Resp: 8883
Ion Ratio Lower Upper
85 100
87 29.8 25.4 38.2





#3
Chlorodifluoromethane
Concen: 0.249 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. 0.000 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16

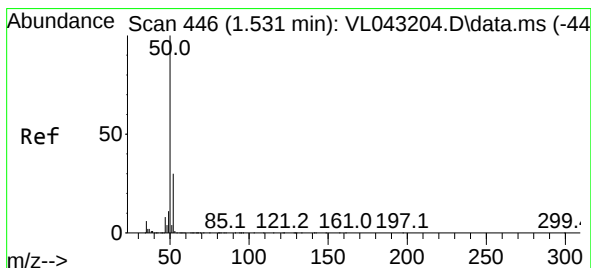
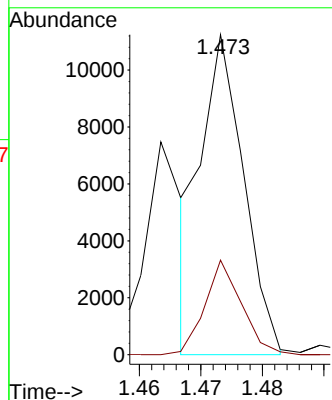
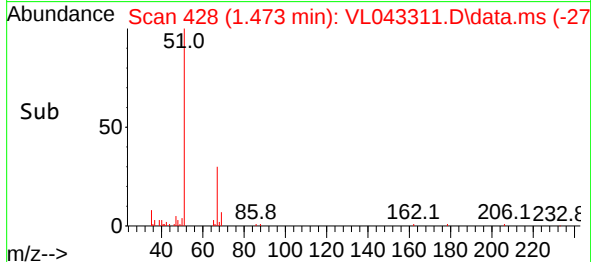
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



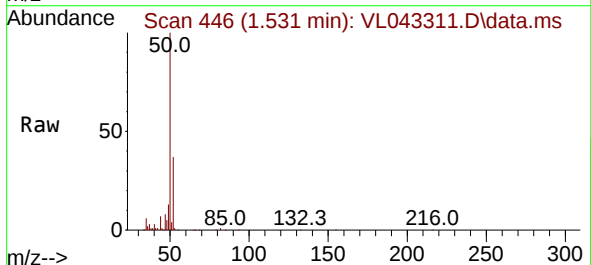
Tgt Ion: 51 Resp: 5370
Ion Ratio Lower Upper
51 100
67 25.8 14.9 22.3

Manual Integrations
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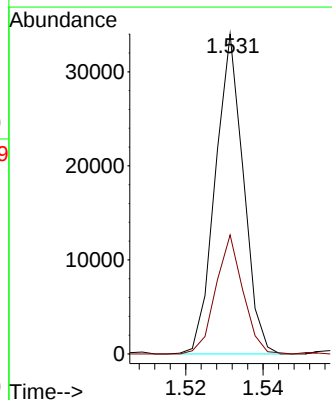
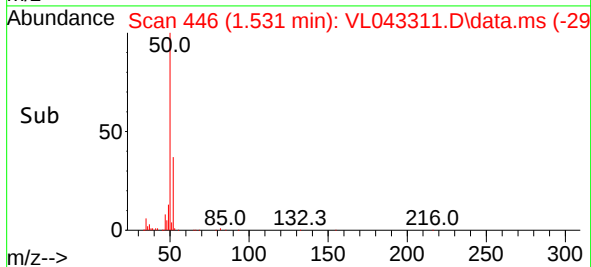
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

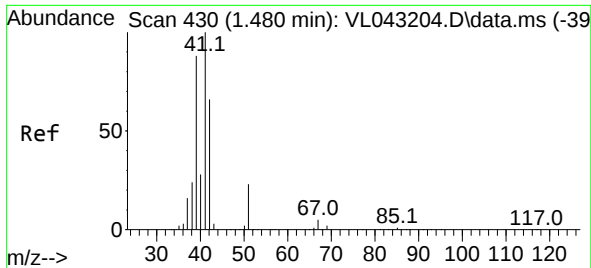


#4
Chloromethane
Concen: 2.090 ppbv
RT: 1.531 min Scan# 446
Delta R.T. 0.000 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16



Tgt Ion: 50 Resp: 17124
Ion Ratio Lower Upper
50 100
52 37.1 24.1 36.1





#9

Propene

Concen: 0.703 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043311.D

Acq: 08 Dec 2025 13:16

Instrument :

MSVOA_L

ClientSampleId :

AA-1DUP

Tgt Ion: 41 Resp: 6430

Ion Ratio Lower Upper

41 100

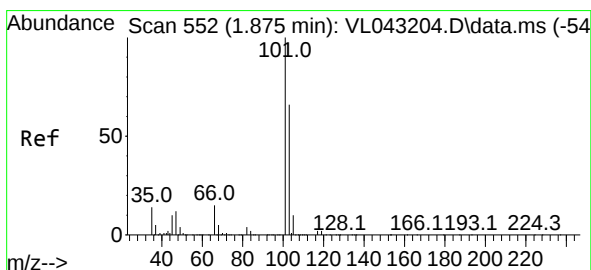
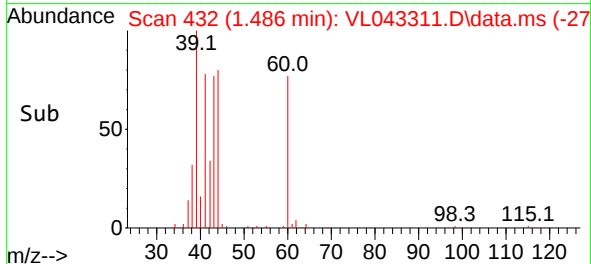
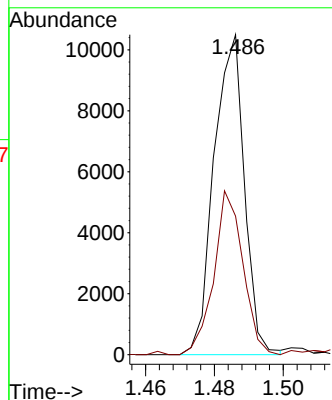
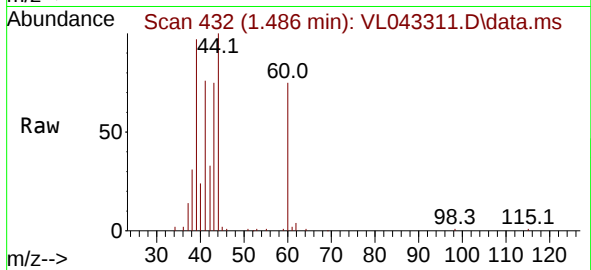
42 50.0 3.7 5.5

Manual Integrations

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#11

Trichlorofluoromethane

Concen: 0.197 ppbv

RT: 1.875 min Scan# 552

Delta R.T. 0.000 min

Lab File: VL043311.D

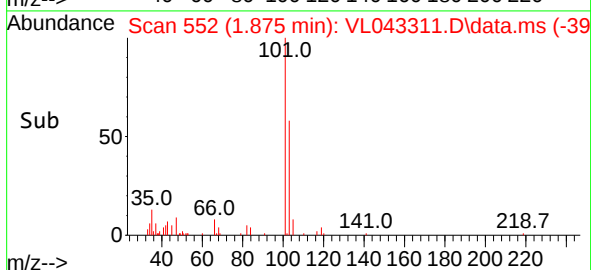
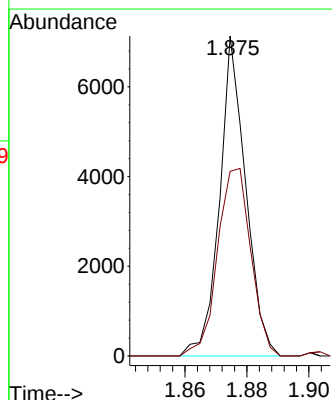
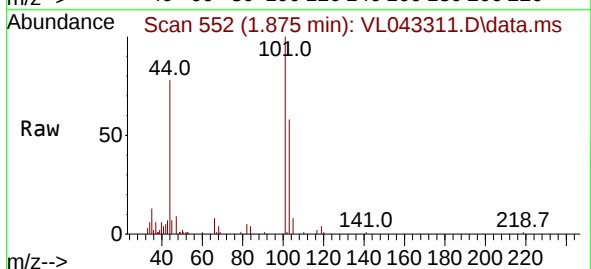
Acq: 08 Dec 2025 13:16

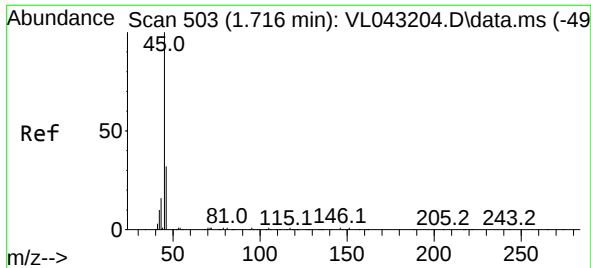
Tgt Ion:101 Resp: 4183

Ion Ratio Lower Upper

101 100

103 57.7 52.6 79.0





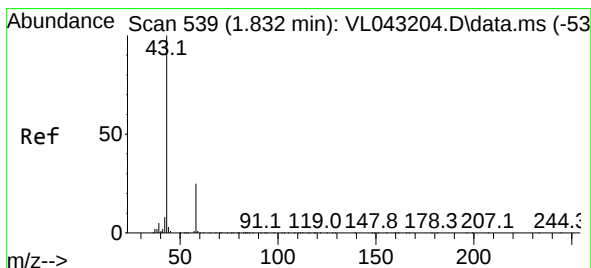
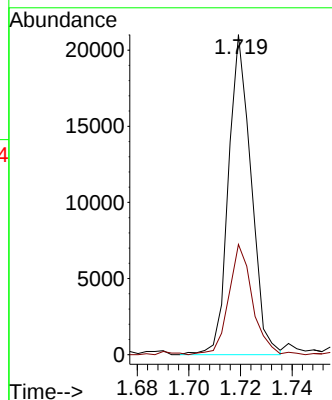
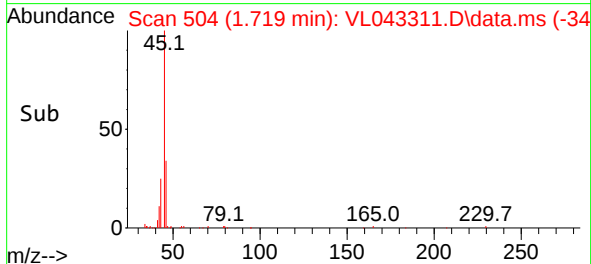
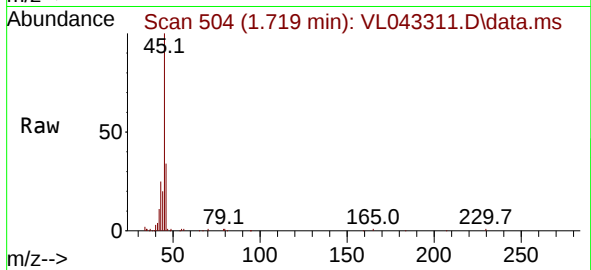
#13
Ethanol
Concen: 3.982 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tgt Ion: 45 Resp: 1281
Ion Ratio Lower Upper
45 100
46 38.2 15.0 59.8

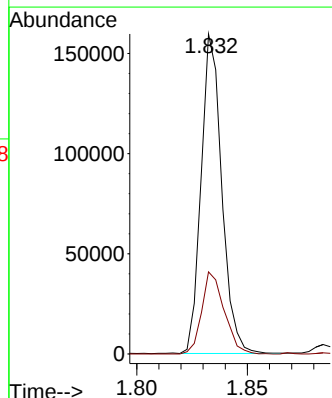
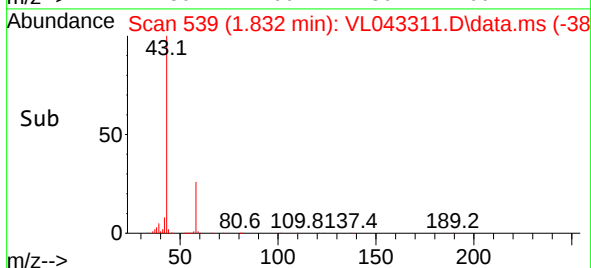
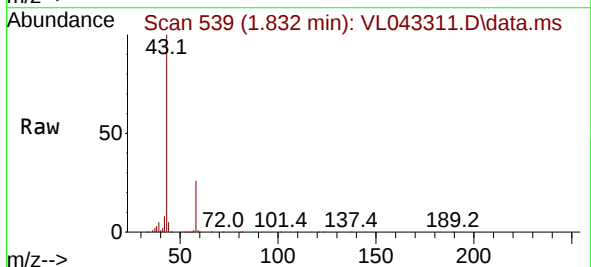
Manual Integrations
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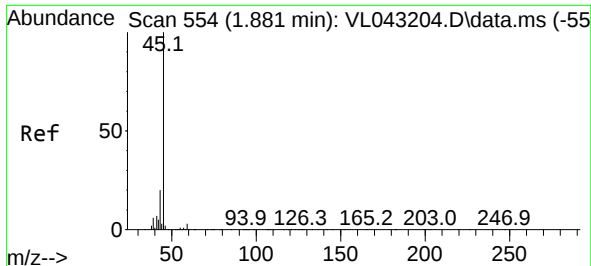
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#15
Acetone
Concen: 4.806 ppbv
RT: 1.832 min Scan# 539
Delta R.T. 0.000 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16

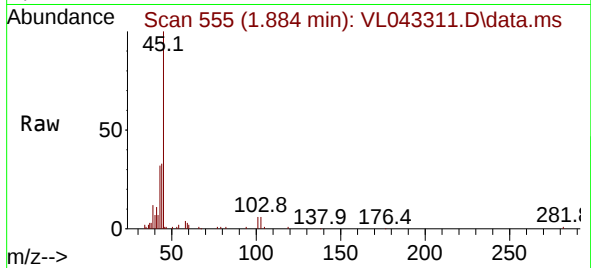
Tgt Ion: 43 Resp: 103724
Ion Ratio Lower Upper
43 100
58 28.4 20.7 31.1





#19
Isopropyl Alcohol
Concen: 0.741 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16

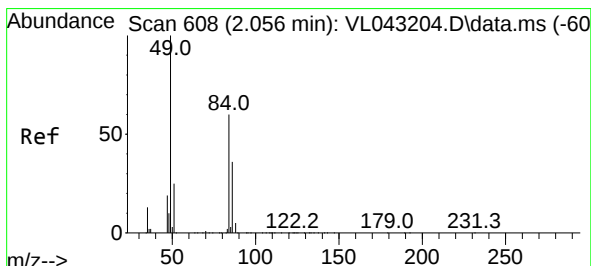
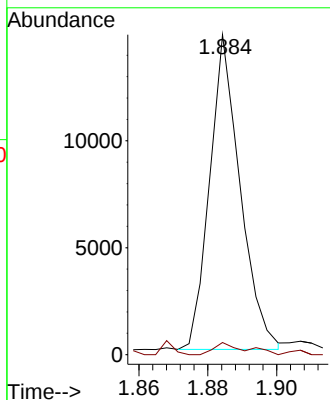
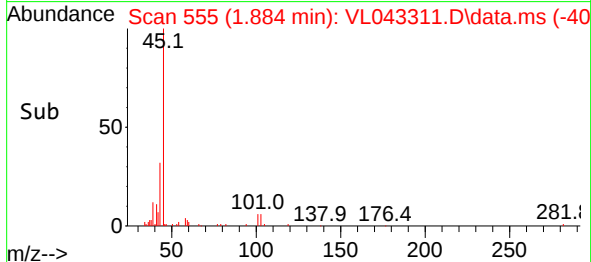
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



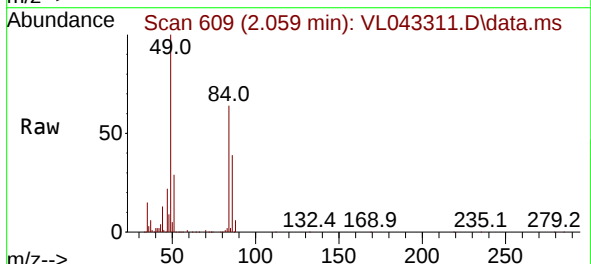
Tgt Ion: 45 Resp: 9039
Ion Ratio Lower Upper
45 100
58 326.3 31.3 46.9

Manual Integrations
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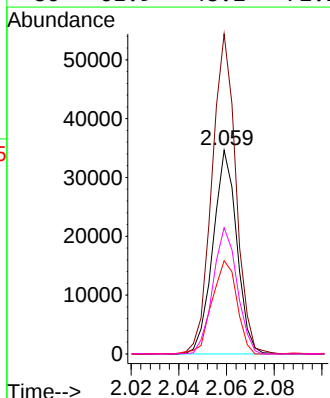
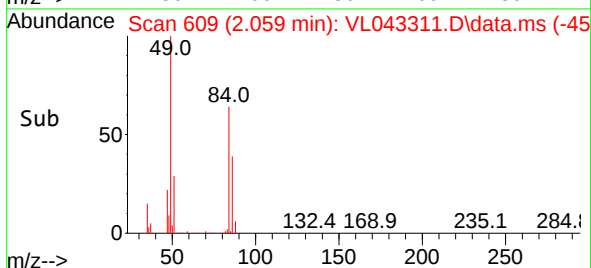
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

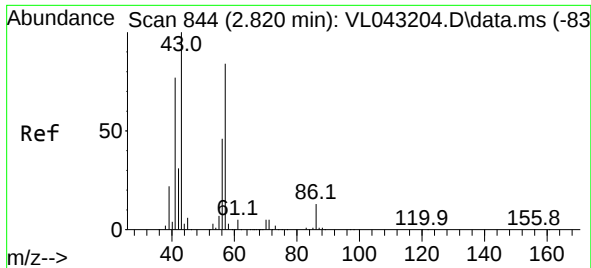


#20
Methylene Chloride
Concen: 3.258 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16



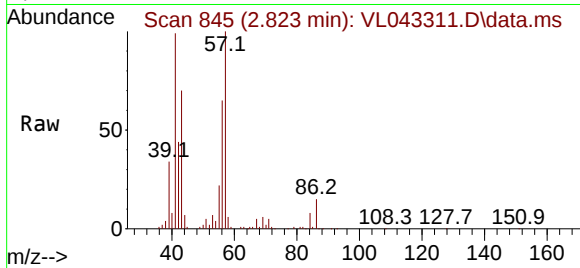
Tgt Ion: 84 Resp: 24089
Ion Ratio Lower Upper
84 100
49 157.1 132.9 199.3
51 45.8 34.8 52.2
86 61.9 48.2 72.2





#26
Hexane
Concen: 1.436 ppbv
RT: 2.823 min Scan# 844
Delta R.T. 0.003 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16

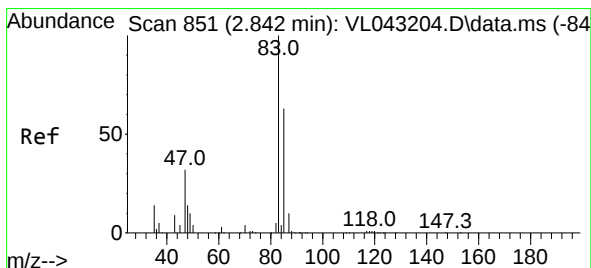
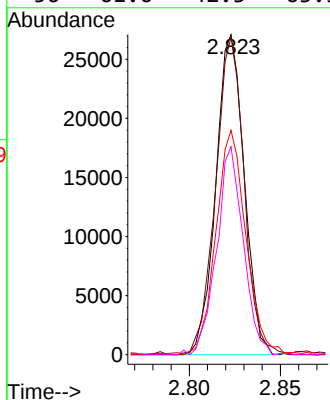
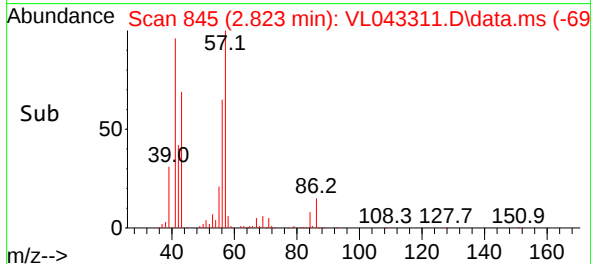
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



Tgt Ion: 57 Resp: 29310
Ion Ratio Lower Upper
57 100
41 101.3 74.6 111.8
43 75.4 179.0 268.4
56 61.6 42.3 63.5

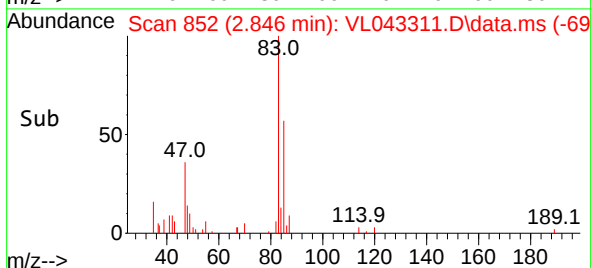
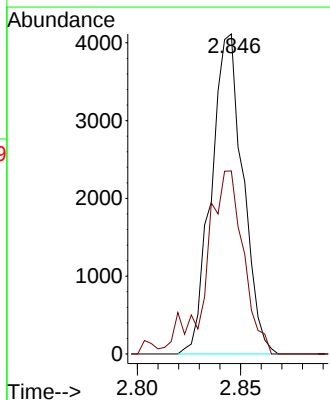
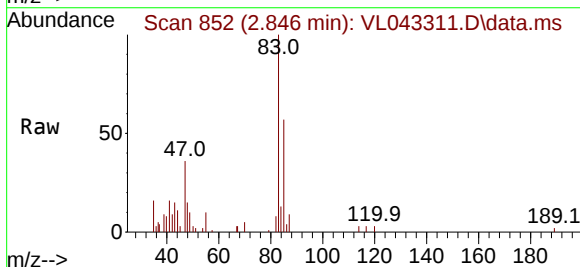
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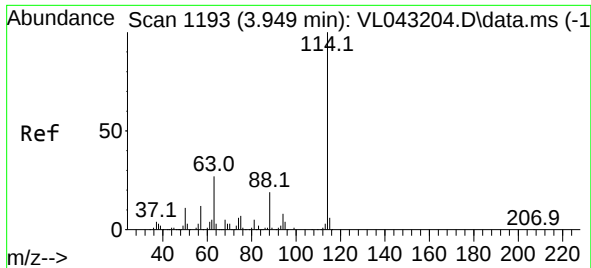
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#29
Chloroform
Concen: 0.151 ppbv
RT: 2.846 min Scan# 852
Delta R.T. 0.003 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16

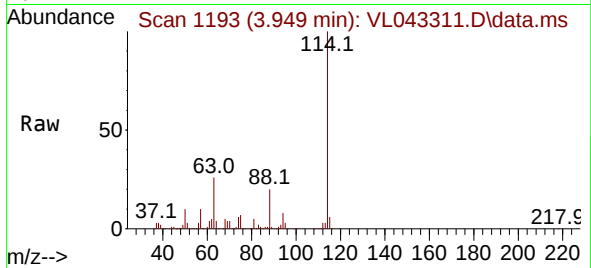
Tgt Ion: 83 Resp: 4392
Ion Ratio Lower Upper
83 100
85 57.2 50.5 75.7





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.949 min Scan# 1193
Delta R.T. 0.000 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16

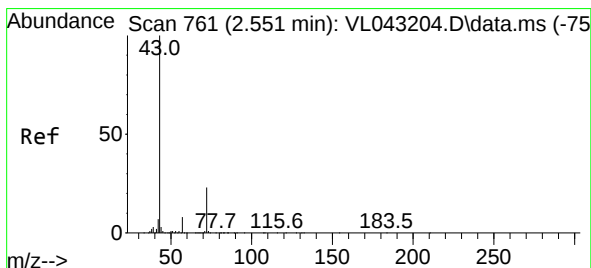
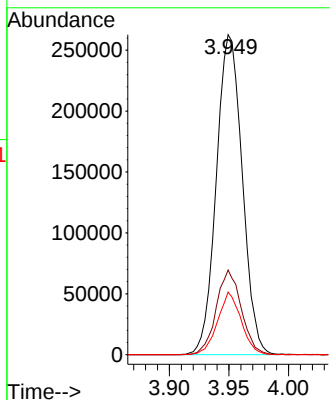
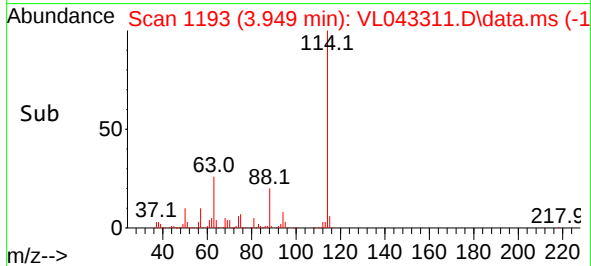
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



Tgt Ion:114 Resp: 397814
Ion Ratio Lower Upper
114 100
63 25.5 21.0 31.6
88 17.8 14.9 22.3

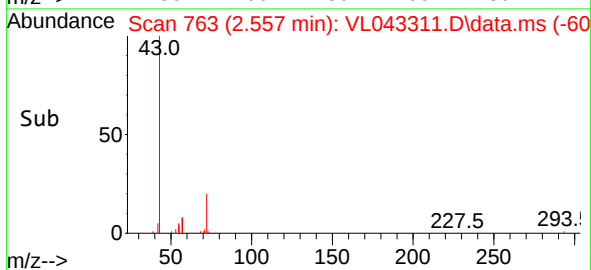
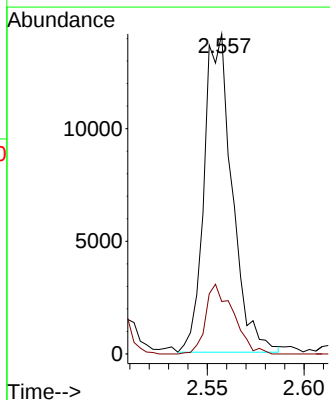
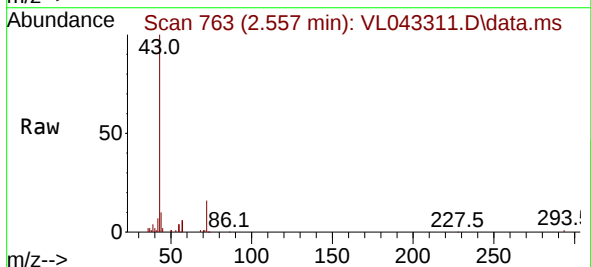
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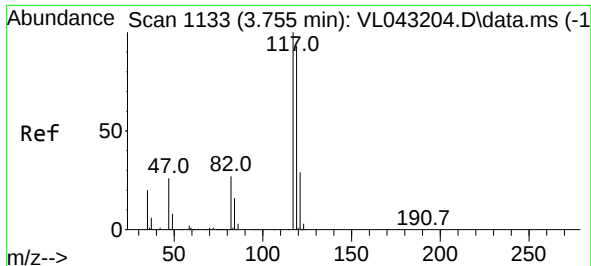
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#34
2-Butanone
Concen: 0.506 ppbv
RT: 2.557 min Scan# 763
Delta R.T. 0.006 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16

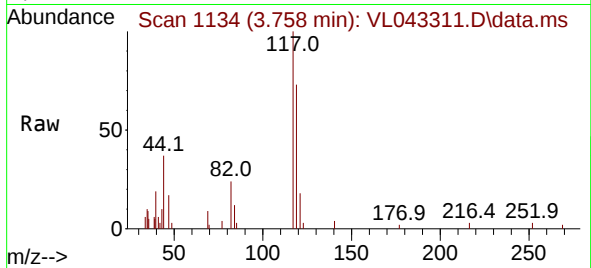
Tgt Ion: 43 Resp: 14218
Ion Ratio Lower Upper
43 100
72 21.7 18.1 27.1





#35
Carbon Tetrachloride
Concen: 0.093 ppbv m
RT: 3.758 min Scan# 1133
Delta R.T. 0.003 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16

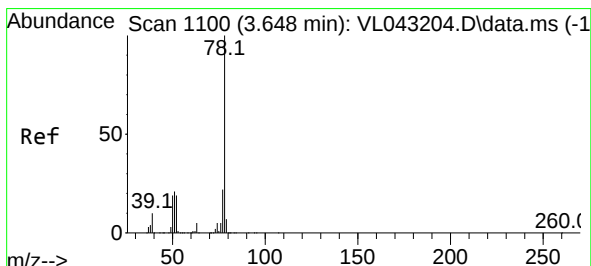
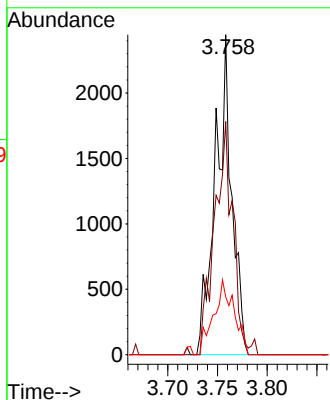
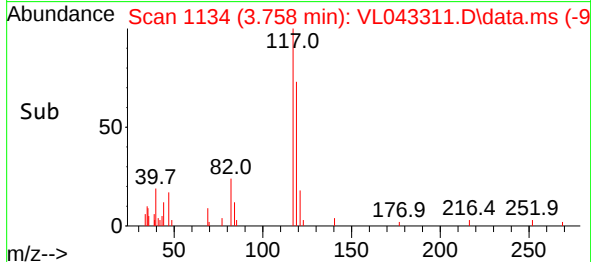
Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP



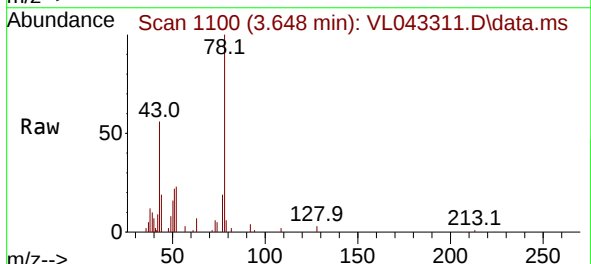
Tgt Ion:117 Resp: 282
Ion Ratio Lower Upper
117 100
119 72.9 74.6 112.0
121 18.1 23.2 34.8

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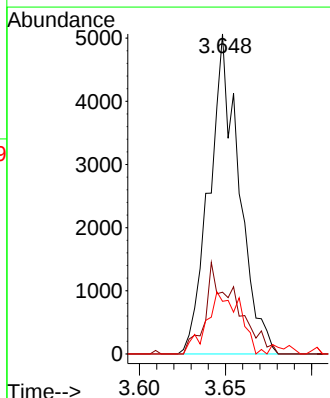
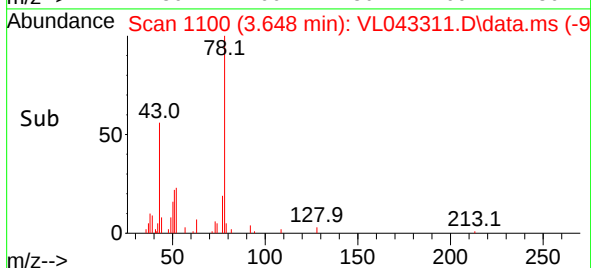
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

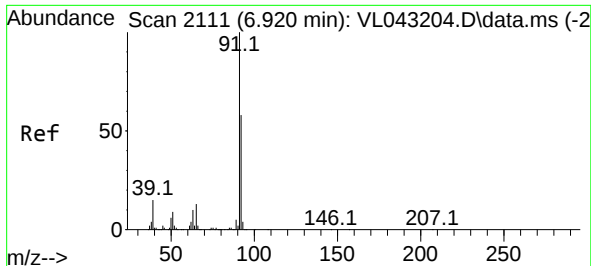


#36
Benzene
Concen: 0.160 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. 0.000 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16



Tgt Ion: 78 Resp: 6108
Ion Ratio Lower Upper
78 100
77 19.3 17.5 26.3
50 16.5 15.5 23.3





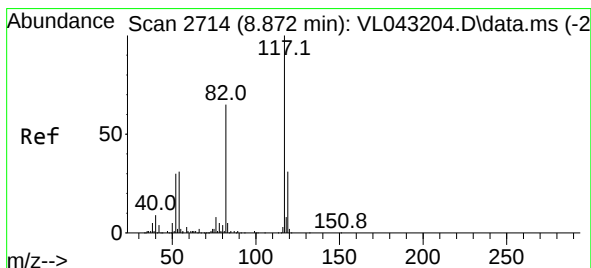
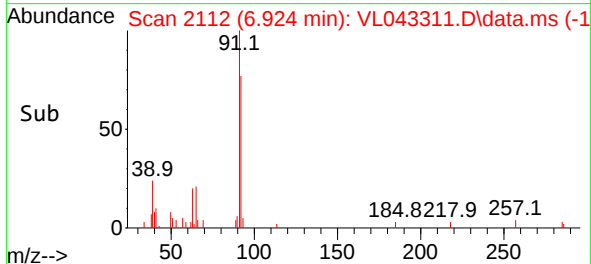
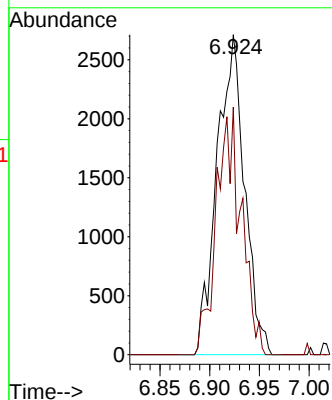
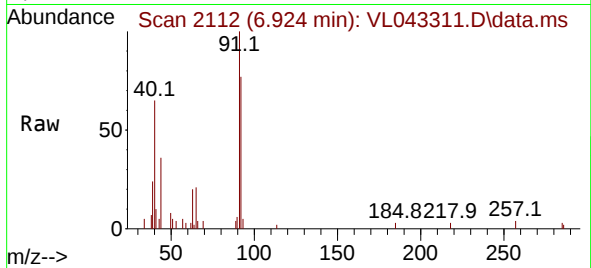
#53
Toluene
Concen: 0.116 ppbv m
RT: 6.924 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16

Instrument :
MSVOA_L
ClientSampleId :
AA-1DUP

Tgt Ion: 91 Resp: 5234
Ion Ratio Lower Upper
91 100
92 69.6 47.4 71.0

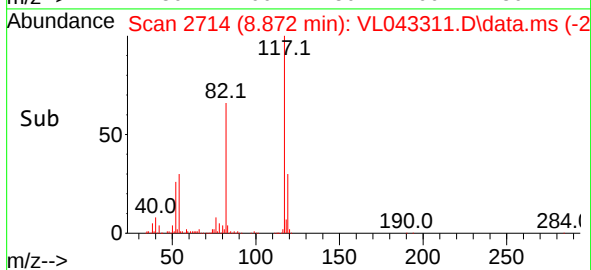
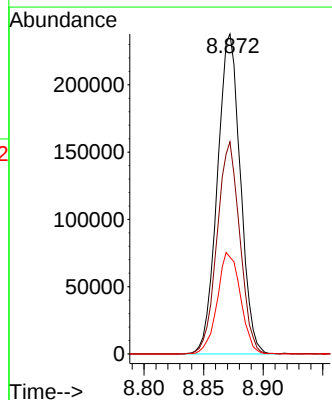
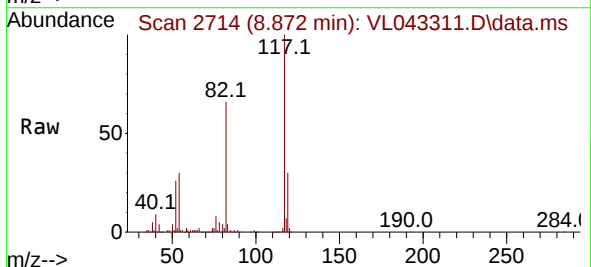
Manual Integrations
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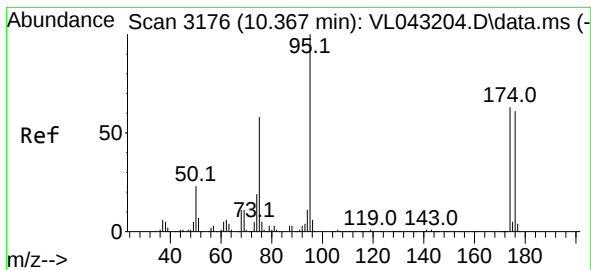
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.872 min Scan# 2714
Delta R.T. 0.000 min
Lab File: VL043311.D
Acq: 08 Dec 2025 13:16

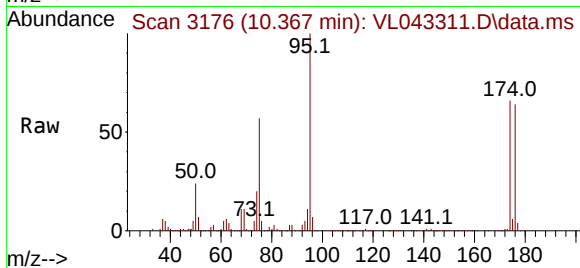
Tgt Ion:117 Resp: 318793
Ion Ratio Lower Upper
117 100
82 65.7 56.1 84.1
119 32.2 25.0 37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.825 ppbv
 RT: 10.367 min Scan# 3176
 Delta R.T. 0.000 min
 Lab File: VL043311.D
 Acq: 08 Dec 2025 13:16

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DUP



Tgt Ion: 95 Resp: 22957
 Ion Ratio Lower Upper
 95 100
 174 68.8 50.2 75.2
 175 5.2 4.1 6.1

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 12/09/2025
 Supervised By :Mahesh Dadoda 12/11/2025

