

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043312.D
 Acq On : 08 Dec 2025 13:52
 Operator : SY/MD
 Sample : Q3799-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 9B-IA-1

Manual Integrations
 APPROVED

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

Quant Time: Dec 09 00:11:27 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111825AIR.M

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

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	137082	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.952	114	357699	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.875	117	281919	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.370	95	213574	10.335	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.499	85	7699	0.398	ppbv	99
3) Chlorodifluoromethane	1.476	51	4363m	0.229	ppbv	
4) Chloromethane	1.531	50	3969	0.549	ppbv	92
9) Propene	1.486	41	4514	0.559	ppbv #	1
11) Trichlorofluoromethane	1.877	101	3724	0.199	ppbv	89
13) Ethanol	1.722	45	50530	17.797	ppbv	99
15) Acetone	1.835	43	166746	8.755	ppbv	99
19) Isopropyl Alcohol	1.884	45	109957	10.217	ppbv	99
20) Methylene Chloride	2.059	84	6881	0.479	ppbv	83
26) Hexane	2.826	57	15912	0.884	ppbv #	52
29) Chloroform	2.842	83	3468m	0.135	ppbv	
34) 2-Butanone	2.560	43	7477	0.296	ppbv	94
35) Carbon Tetrachloride	3.755	117	2649m	0.098	ppbv	
36) Benzene	3.648	78	5022	0.147	ppbv #	77
53) Toluene	6.923	91	4569m	0.113	ppbv	

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

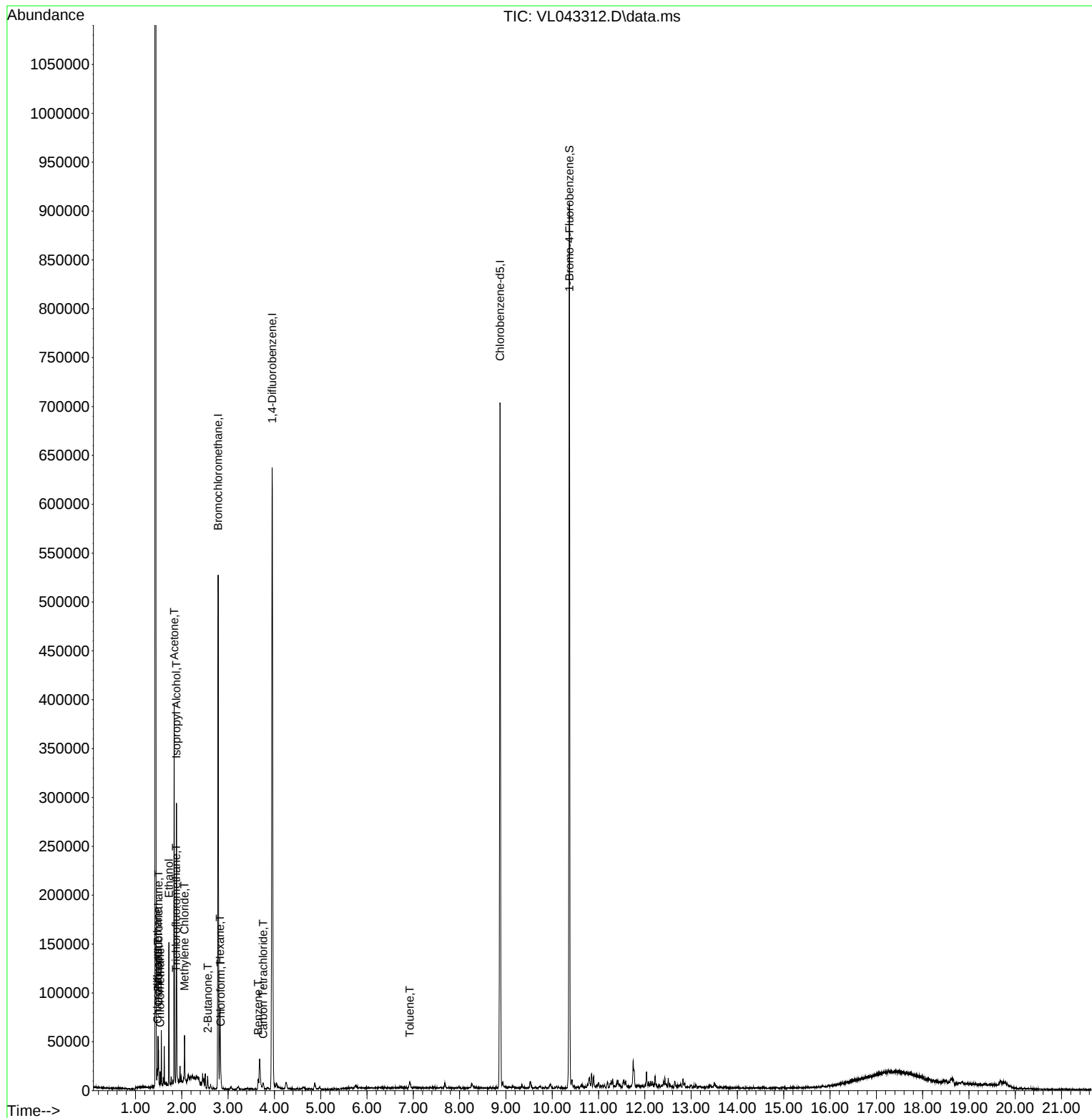
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
Data File : VL043312.D
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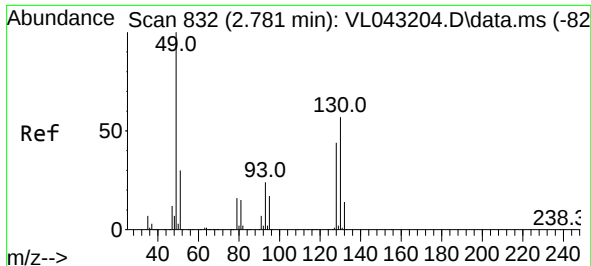
Instrument :
MSVOA_L
ClientSampleId :
9B-IA-1

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

Quant Time: Dec 09 00:11:27 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





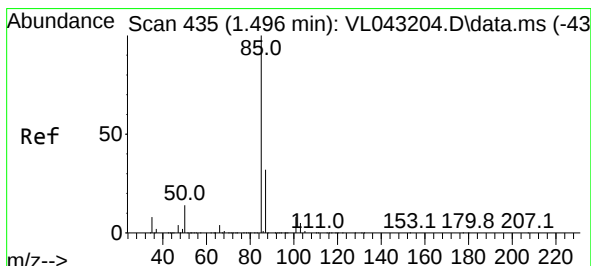
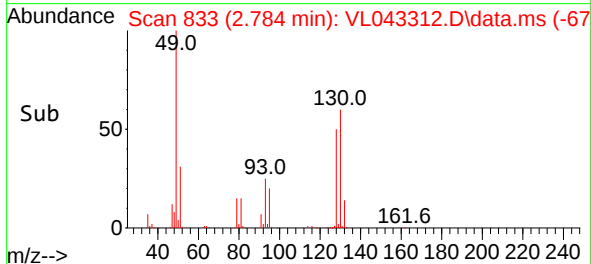
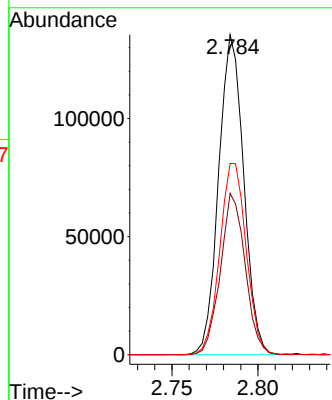
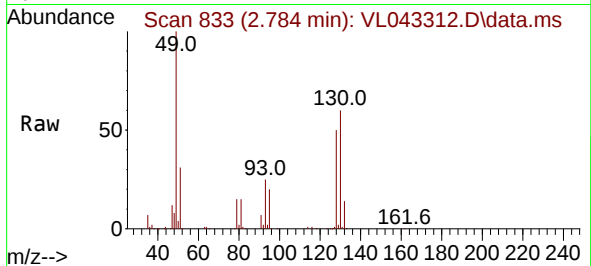
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.784 min Scan# 811
Delta R.T. 0.003 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
9B-IA-1

Tgt Ion: 49 Resp: 13708
Ion Ratio Lower Upper
49 100
128 49.8 23.0 69.0
130 63.2 29.9 89.7

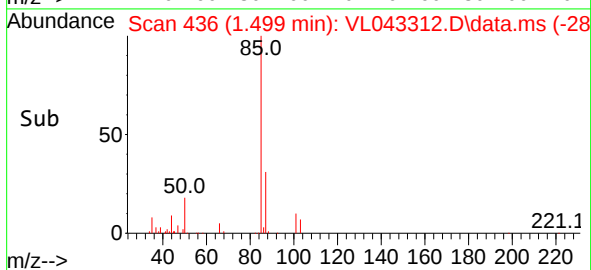
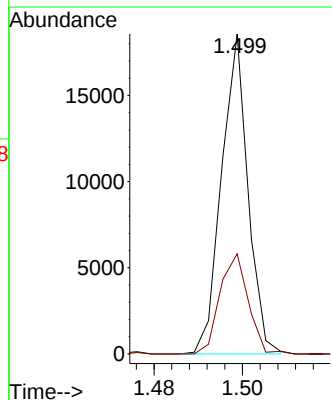
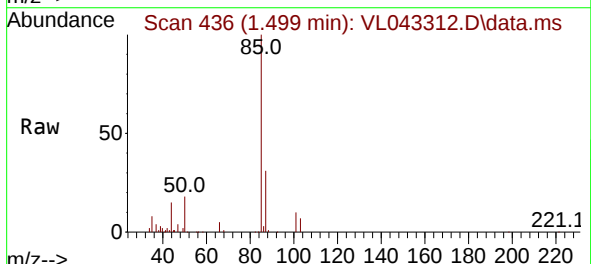
Manual Integrations
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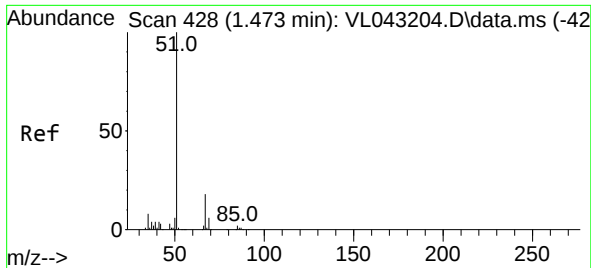
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#2
Dichlorodifluoromethane
Concen: 0.398 ppbv
RT: 1.499 min Scan# 436
Delta R.T. 0.003 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52

Tgt Ion: 85 Resp: 7699
Ion Ratio Lower Upper
85 100
87 31.3 25.4 38.2





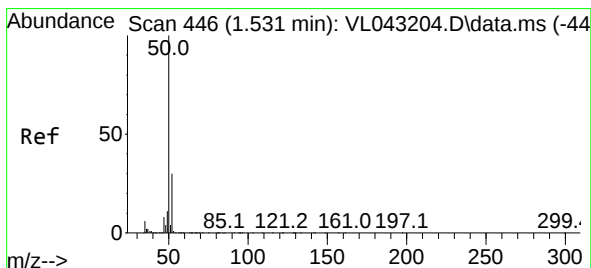
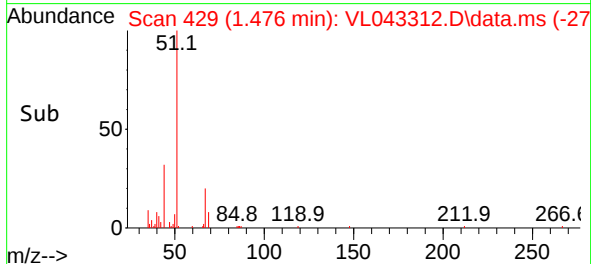
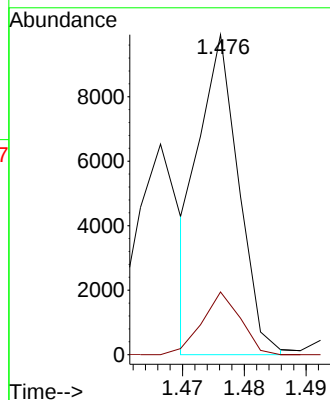
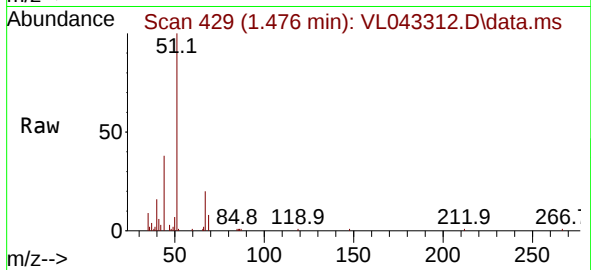
#3
Chlorodifluoromethane
Concen: 0.229 ppbv m
RT: 1.476 min Scan# 41
Delta R.T. 0.003 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
9B-IA-1

Tgt Ion: 51 Resp: 436
Ion Ratio Lower Upper
51 100
67 19.3 14.9 22.3

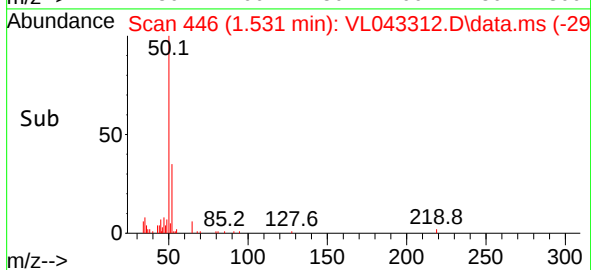
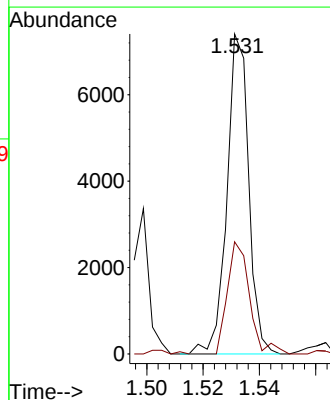
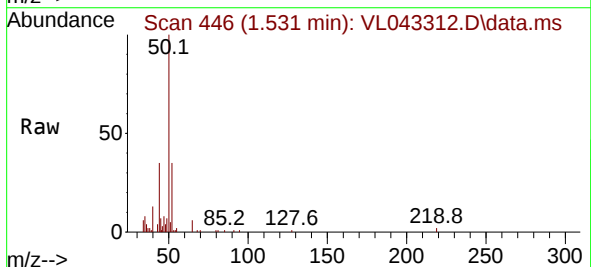
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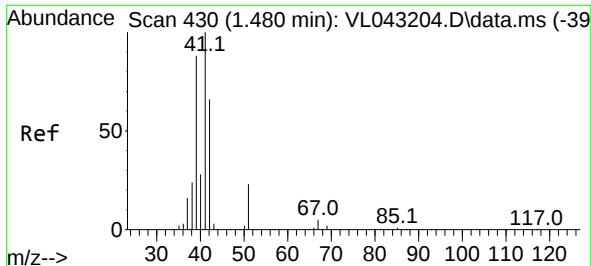
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#4
Chloromethane
Concen: 0.549 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52

Tgt Ion: 50 Resp: 3969
Ion Ratio Lower Upper
50 100
52 34.3 24.1 36.1





#9

Propene

Concen: 0.559 ppbv

RT: 1.486 min Scan# 41

Delta R.T. 0.006 min

Lab File: VL043312.D

Acq: 08 Dec 2025 13:52

Instrument :

MSVOA_L

ClientSampleId :

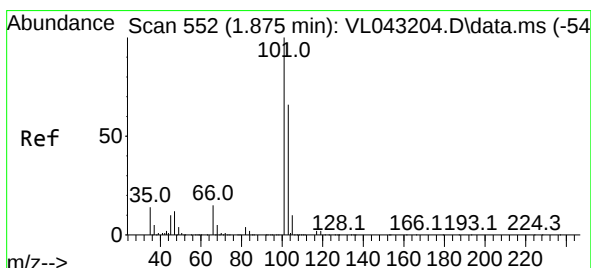
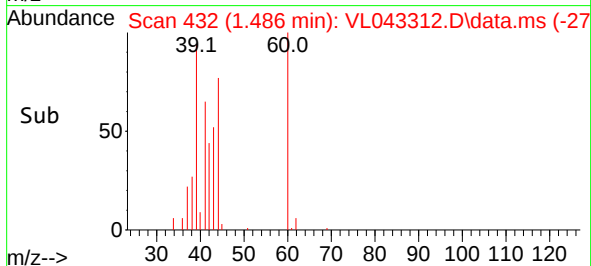
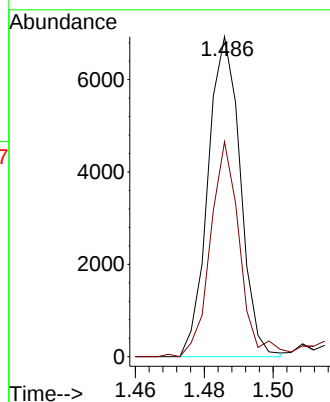
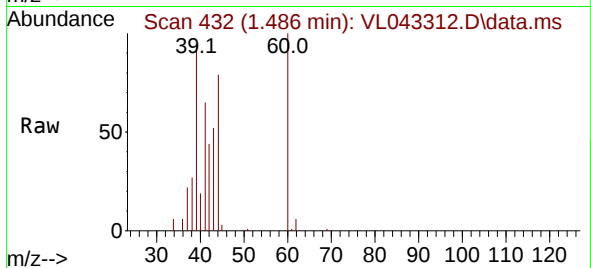
9B-IA-1

Tgt Ion: 41 Resp: 4514
 Ion Ratio Lower Upper
 41 100
 42 61.9 3.7 5.5

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#11

Trichlorofluoromethane

Concen: 0.199 ppbv

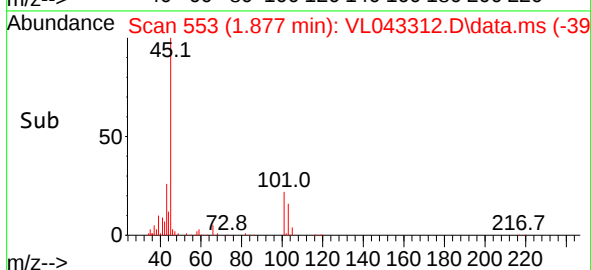
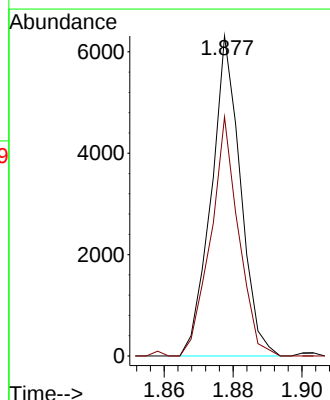
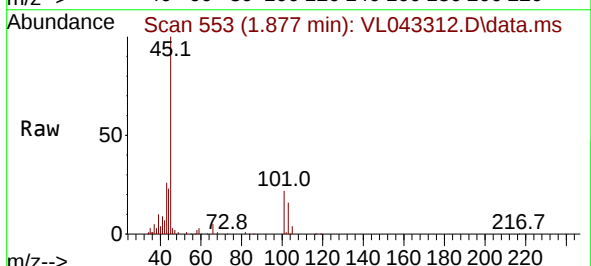
RT: 1.877 min Scan# 553

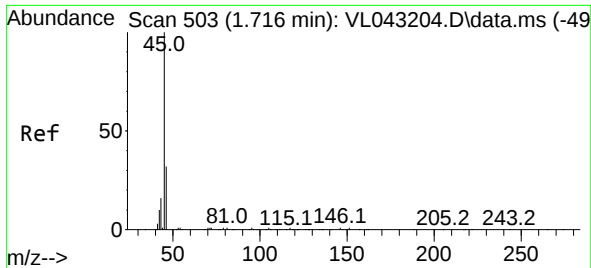
Delta R.T. 0.003 min

Lab File: VL043312.D

Acq: 08 Dec 2025 13:52

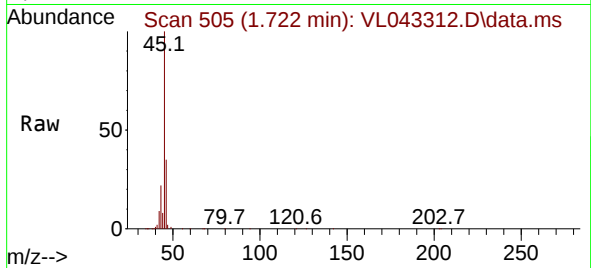
Tgt Ion:101 Resp: 3724
 Ion Ratio Lower Upper
 101 100
 103 74.7 52.6 79.0





#13
Ethanol
Concen: 17.797 ppbv
RT: 1.722 min Scan# 503
Delta R.T. 0.006 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52

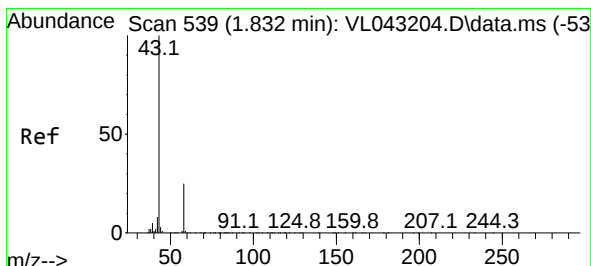
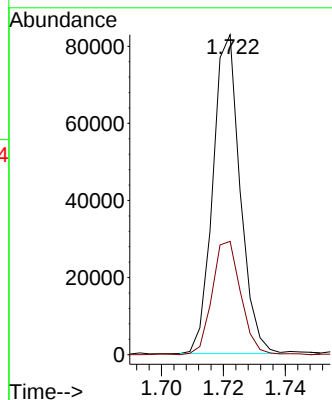
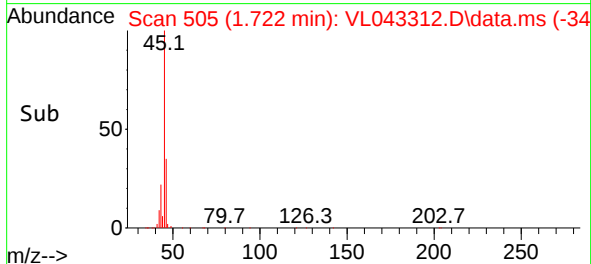
Instrument :
MSVOA_L
ClientSampleId :
9B-IA-1



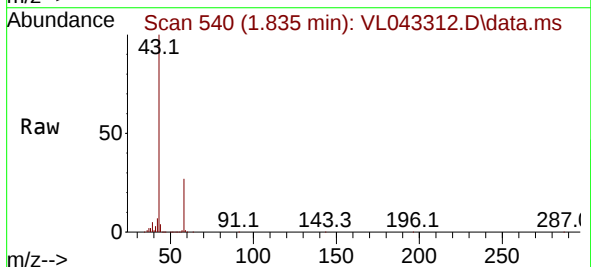
Tgt Ion: 45 Resp: 50530
Ion Ratio Lower Upper
45 100
46 38.1 15.0 59.8

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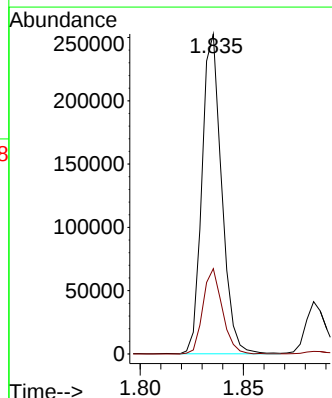
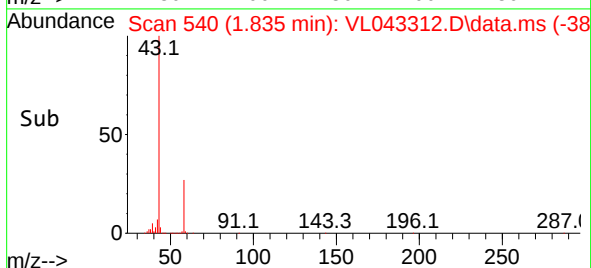
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

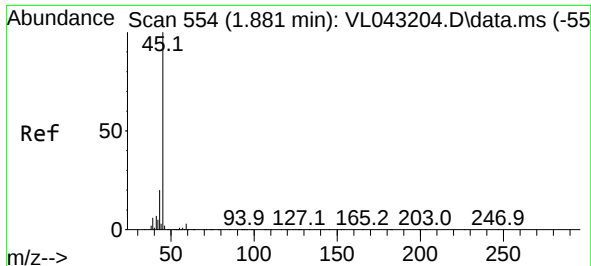


#15
Acetone
Concen: 8.755 ppbv
RT: 1.835 min Scan# 540
Delta R.T. 0.003 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52



Tgt Ion: 43 Resp: 166746
Ion Ratio Lower Upper
43 100
58 26.3 20.7 31.1





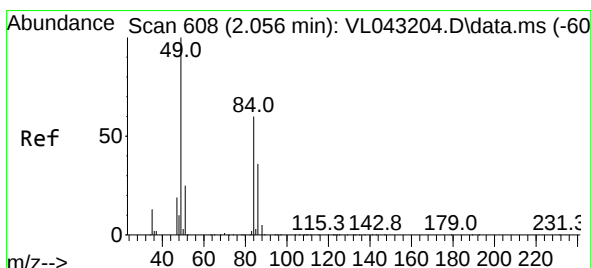
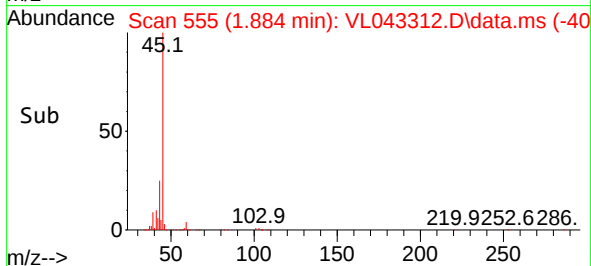
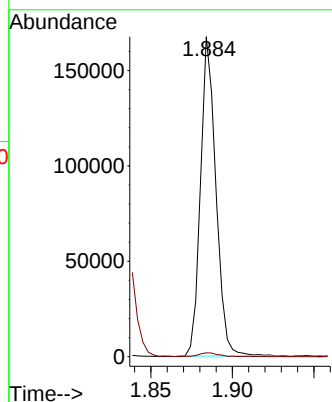
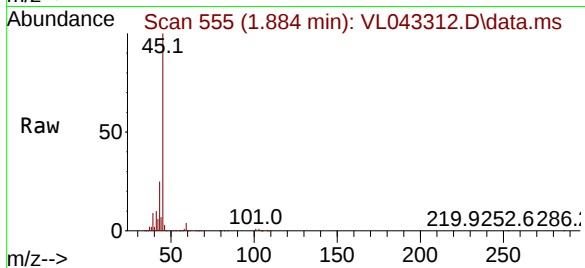
#19
Isopropyl Alcohol
Concen: 10.217 ppbv
RT: 1.884 min Scan# 511
Delta R.T. 0.003 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52

Instrument :
MSVOA_L
ClientSampleId :
9B-IA-1

Tgt Ion: 45 Resp: 10995
Ion Ratio Lower Upper
45 100
58 39.9 31.3 46.9

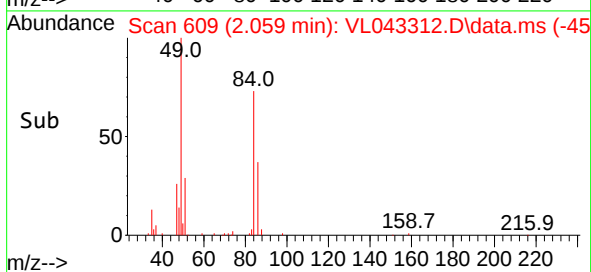
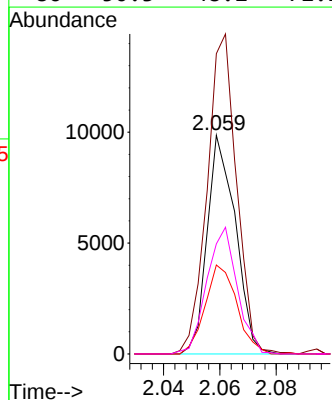
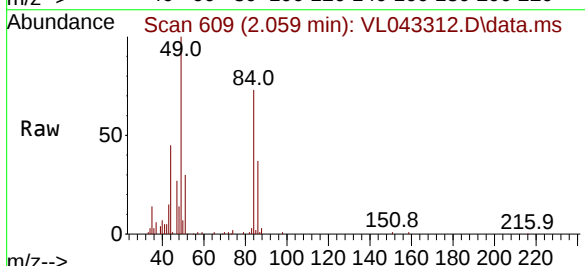
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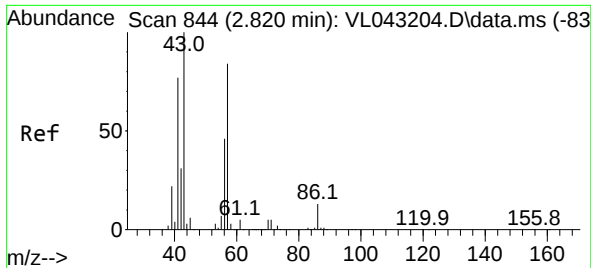
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#20
Methylene Chloride
Concen: 0.479 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52

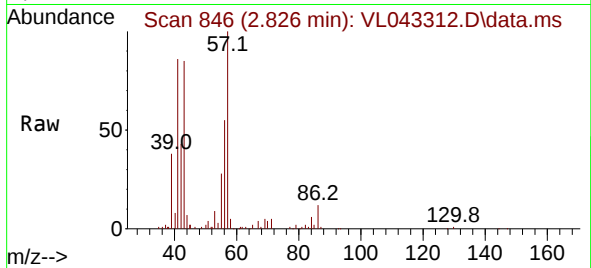
Tgt Ion: 84 Resp: 6881
Ion Ratio Lower Upper
84 100
49 136.6 132.9 199.3
51 40.7 34.8 52.2
86 50.3 48.2 72.2





#26
Hexane
Concen: 0.884 ppbv
RT: 2.826 min Scan# 844
Delta R.T. 0.006 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52

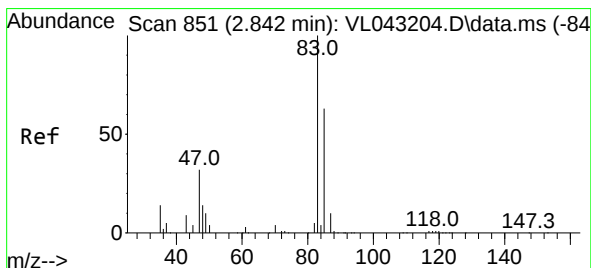
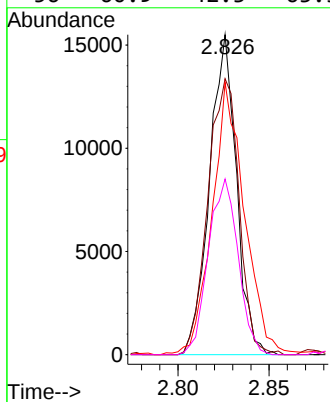
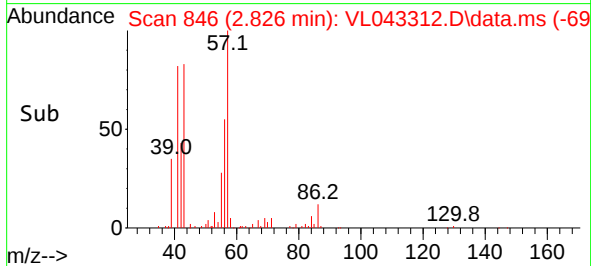
Instrument :
MSVOA_L
ClientSampleId :
9B-IA-1



Tgt Ion: 57 Resp: 15912
Ion Ratio Lower Upper
57 100
41 100.0 74.6 111.8
43 104.4 179.0 268.4
56 60.9 42.3 63.5

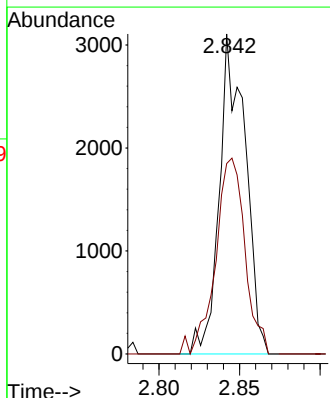
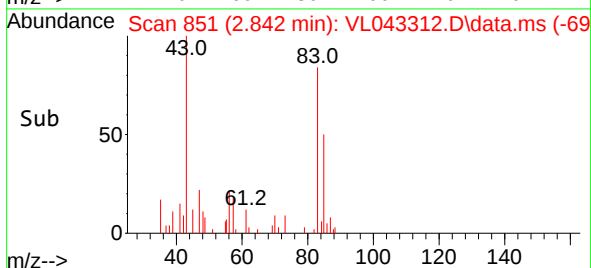
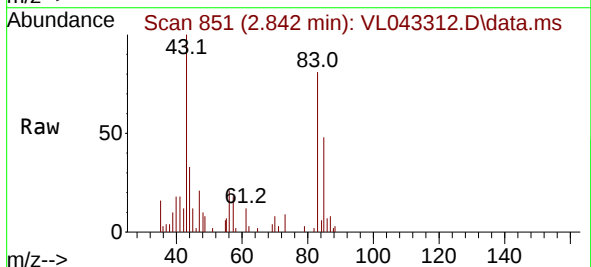
Manual Integrations
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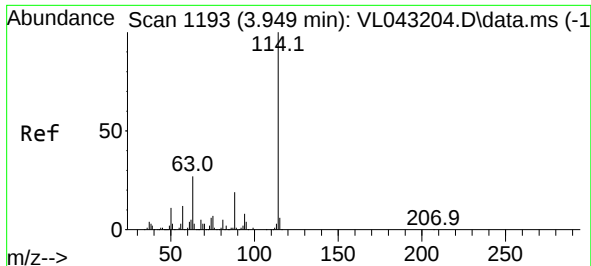
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#29
Chloroform
Concen: 0.135 ppbv m
RT: 2.842 min Scan# 851
Delta R.T. -0.000 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52

Tgt Ion: 83 Resp: 3468
Ion Ratio Lower Upper
83 100
85 59.5 50.5 75.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.952 min Scan# 1194

Delta R.T. 0.003 min

Lab File: VL043312.D

Acq: 08 Dec 2025 13:52

Instrument :

MSVOA_L

ClientSampleId :

9B-IA-1

Tgt Ion:114 Resp: 35769

Ion Ratio Lower Upper

114 100

63 24.7 21.0 31.6

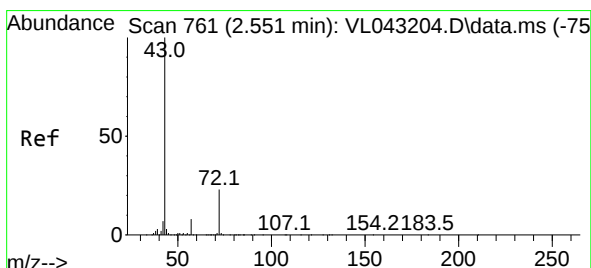
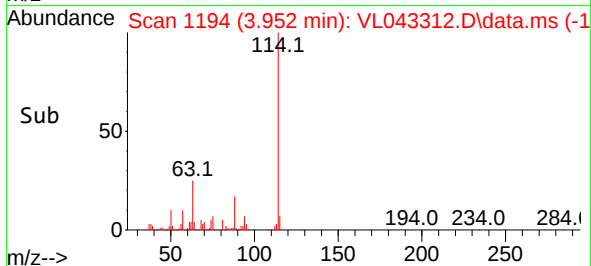
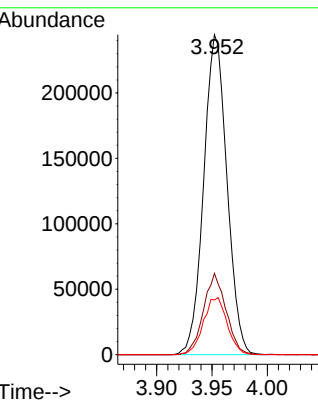
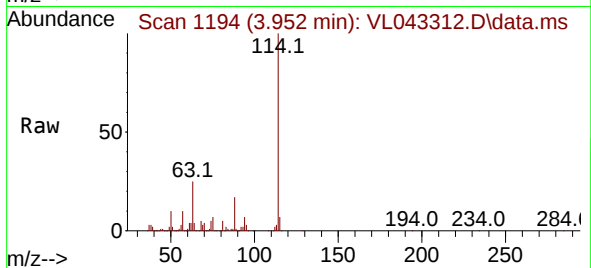
88 18.3 14.9 22.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/09/2025

Supervised By :Mahesh Dadoda 12/11/2025



#34

2-Butanone

Concen: 0.296 ppbv

RT: 2.560 min Scan# 764

Delta R.T. 0.009 min

Lab File: VL043312.D

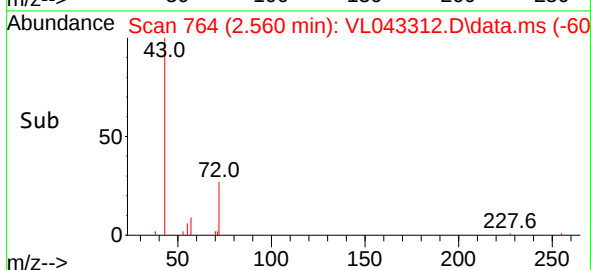
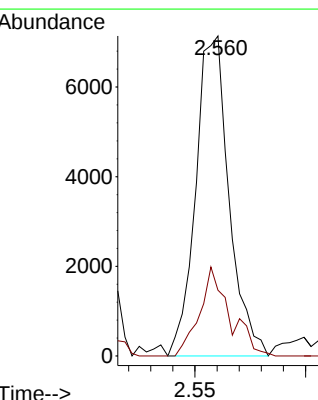
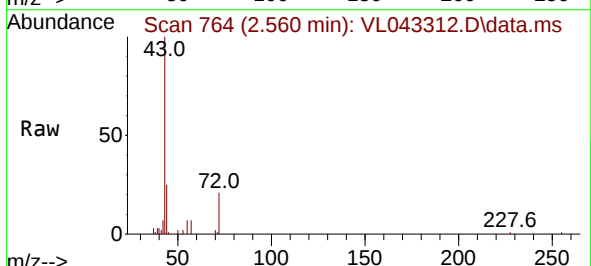
Acq: 08 Dec 2025 13:52

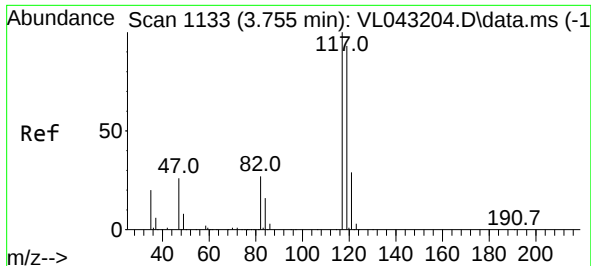
Tgt Ion: 43 Resp: 7477

Ion Ratio Lower Upper

43 100

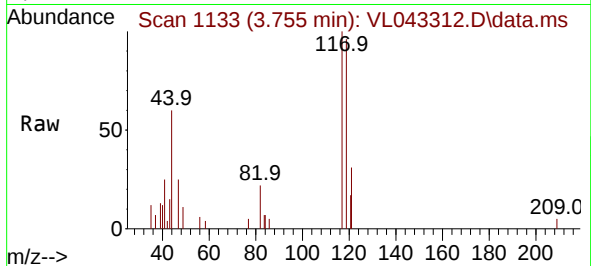
72 25.3 18.1 27.1





#35
Carbon Tetrachloride
Concen: 0.098 ppbv m
RT: 3.755 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52

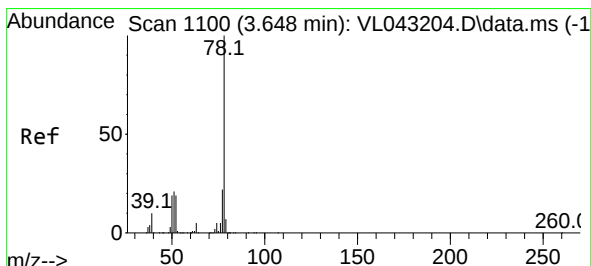
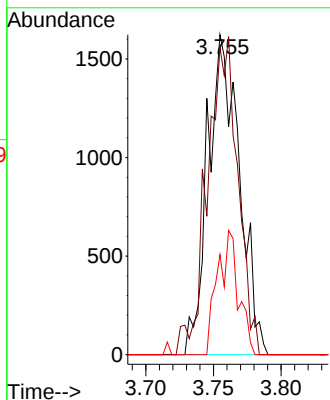
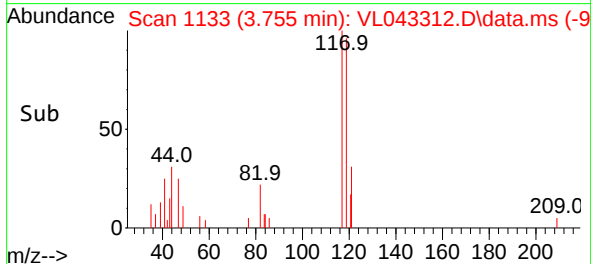
Instrument :
MSVOA_L
ClientSampleId :
9B-IA-1



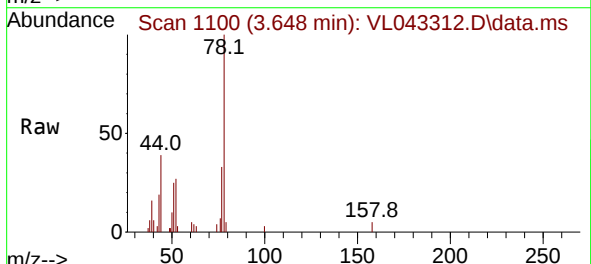
Tgt Ion: 117 Resp: 2649
Ion Ratio Lower Upper
117 100
119 96.0 74.6 112.0
121 31.2 23.2 34.8

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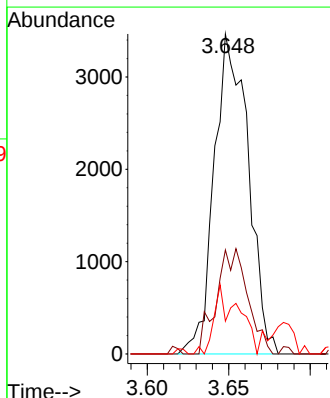
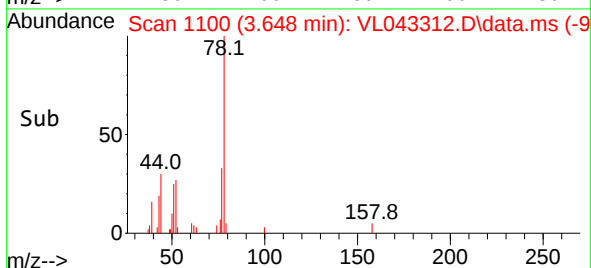
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025

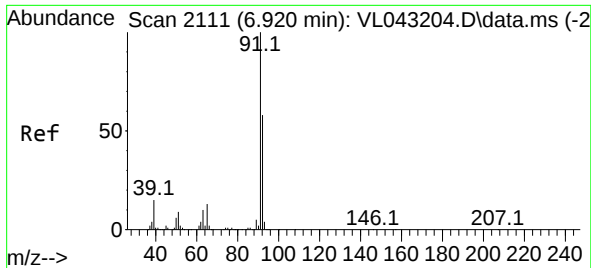


#36
Benzene
Concen: 0.147 ppbv
RT: 3.648 min Scan# 1100
Delta R.T. -0.000 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52



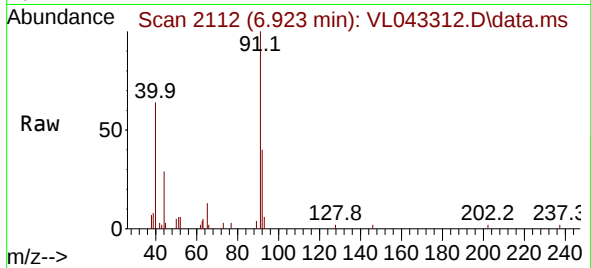
Tgt Ion: 78 Resp: 5022
Ion Ratio Lower Upper
78 100
77 32.5 17.5 26.3#
50 8.7 15.5 23.3#





#53
Toluene
Concen: 0.113 ppbv m
RT: 6.923 min Scan# 2111
Delta R.T. 0.003 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52

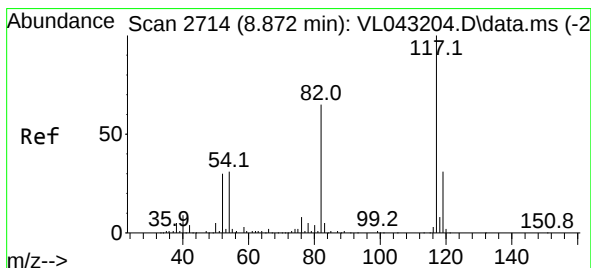
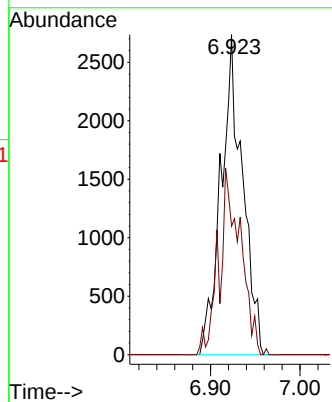
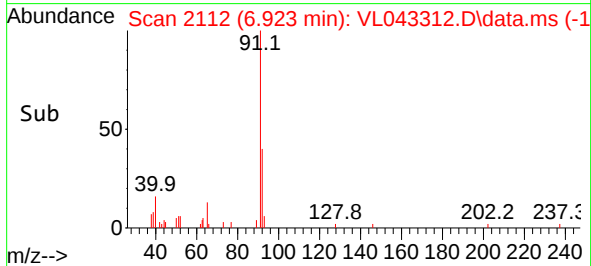
Instrument :
MSVOA_L
ClientSampleId :
9B-IA-1



Tgt Ion: 91 Resp: 4569
Ion Ratio Lower Upper
91 100
92 58.1 47.4 71.0

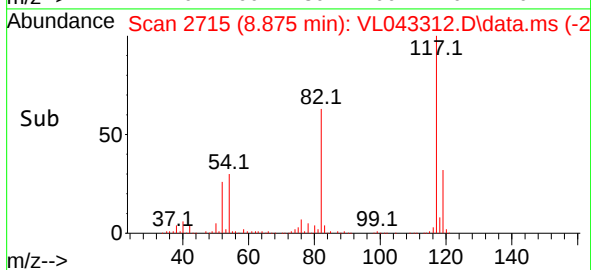
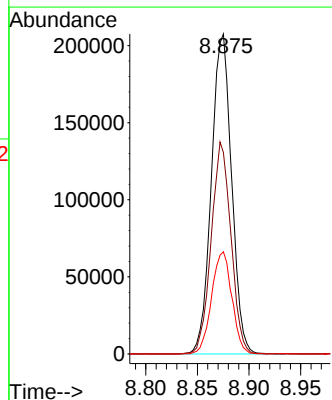
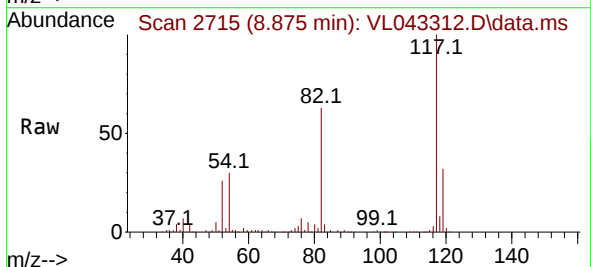
Manual Integrations
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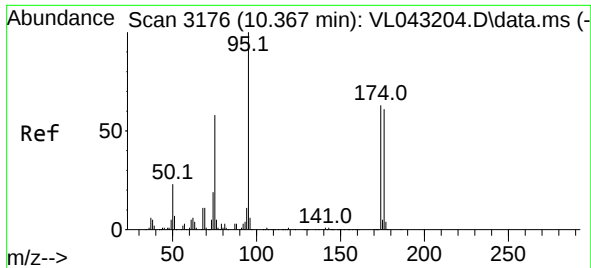
Reviewed By :Semsettin Yesilyurt 12/09/2025
Supervised By :Mahesh Dadoda 12/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.875 min Scan# 2715
Delta R.T. 0.003 min
Lab File: VL043312.D
Acq: 08 Dec 2025 13:52

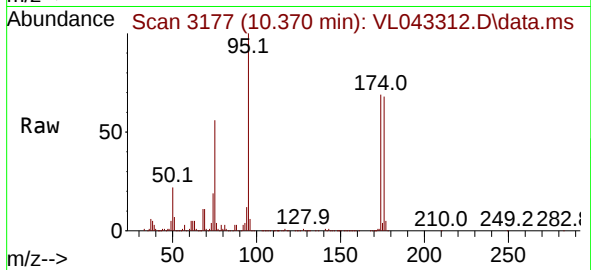
Tgt Ion:117 Resp: 281919
Ion Ratio Lower Upper
117 100
82 64.8 56.1 84.1
119 32.1 25.0 37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.335 ppbv
 RT: 10.370 min Scan# 3177
 Delta R.T. 0.003 min
 Lab File: VL043312.D
 Acq: 08 Dec 2025 13:52

Instrument :
 MSVOA_L
 ClientSampleId :
 9B-IA-1



Tgt Ion: 95 Resp: 213574
 Ion Ratio Lower Upper
 95 100
 174 68.6 50.2 75.2
 175 4.9 4.1 6.1

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

