

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
 Data File : VL043310.D
 Acq On : 08 Dec 2025 12:40
 Operator : SY/MD
 Sample : Q3799-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1

Quant Time: Dec 09 00:10:41 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) Bromochloromethane	2.781	49	151890	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	3.946	114	389995	10.000	ppbv	0.00
55) Chlorobenzene-d5	8.869	117	311445	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.364	95	233482	10.227	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.300%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.496	85	8408m	0.392	ppbv	
3) Chlorodifluoromethane	1.473	51	4994m	0.237	ppbv	
4) Chloromethane	1.531	50	17448	2.178	ppbv	95
9) Propene	1.483	41	5806	0.649	ppbv #	1
11) Trichlorofluoromethane	1.874	101	4433	0.214	ppbv	95
13) Ethanol	1.719	45	11664	3.708	ppbv #	38
15) Acetone	1.832	43	100928	4.783	ppbv	98
19) Isopropyl Alcohol	1.884	45	9295	0.779	ppbv #	1
20) Methylene Chloride	2.059	84	18675	2.407	ppbv	89
26) Hexane	2.819	57	24551	1.230	ppbv #	44
29) Chloroform	2.836	83	4378m	0.154	ppbv	
34) 2-Butanone	2.551	43	13762	0.500	ppbv	99
35) Carbon Tetrachloride	3.755	117	2686m	0.091	ppbv	
36) Benzene	3.651	78	6717m	0.180	ppbv	
53) Toluene	6.910	91	5747m	0.130	ppbv	

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

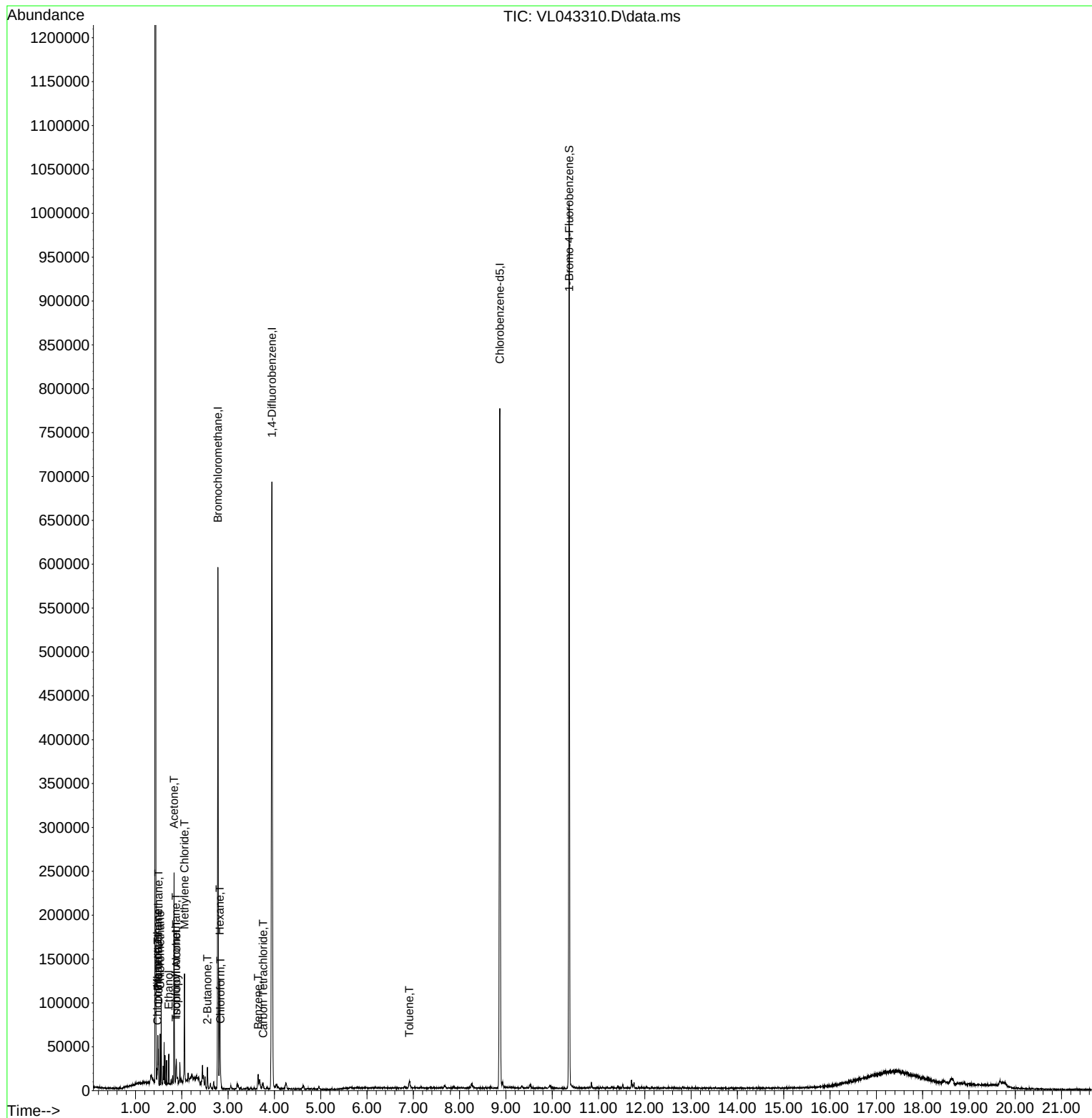
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120825\
Data File : VL043310.D
Acq On : 08 Dec 2025 12:40
Operator : SY/MD
Sample : Q3799-01
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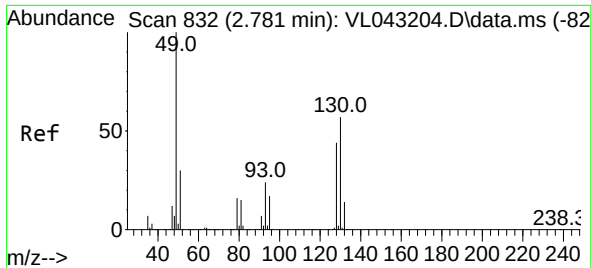
Instrument :
MSVOA_L
ClientSampleId :
AA-1

Quant Time: Dec 09 00:10:41 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

Manual Integrations
APPROVED

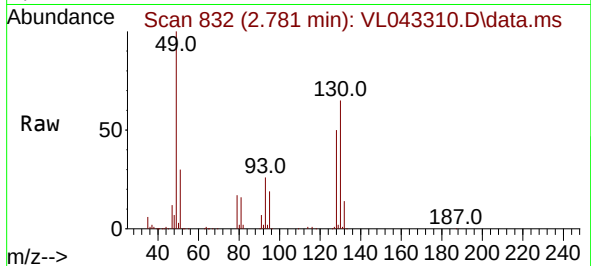
Reviewed By : Semsettin Yesilyurt 12/11/2025
Supervised By : Mahesh Dadoda 12/11/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.781 min Scan# 832
Delta R.T. -0.000 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40

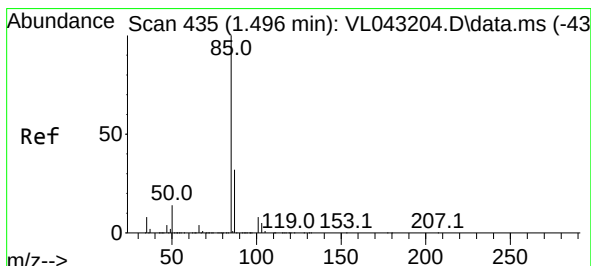
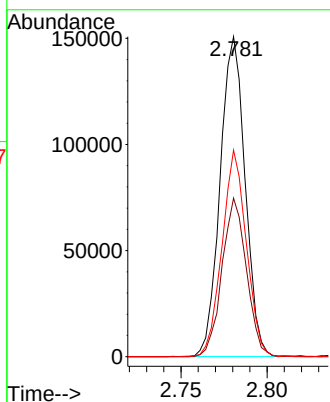
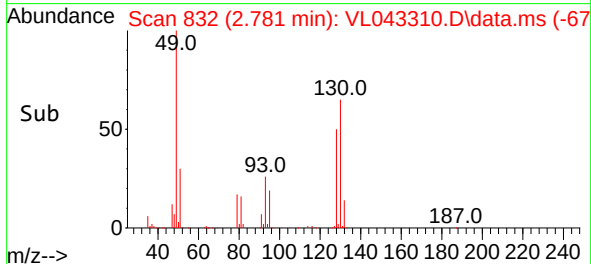
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion: 49 Resp: 151890
Ion Ratio Lower Upper
49 100
128 48.5 23.0 69.0
130 62.9 29.9 89.7

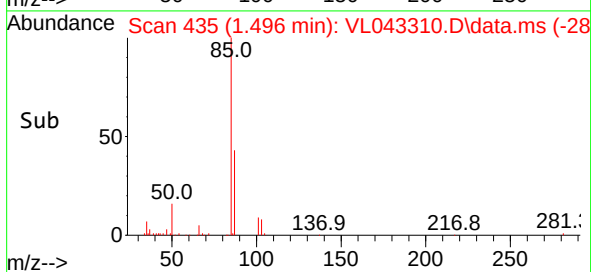
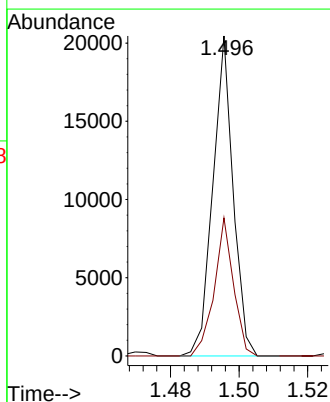
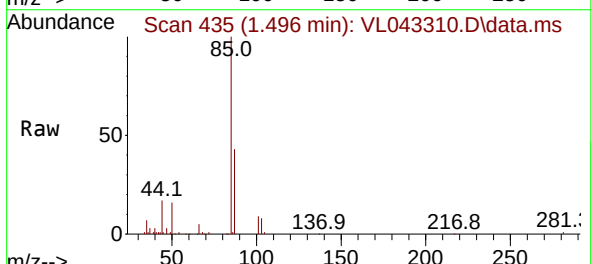
Manual Integrations
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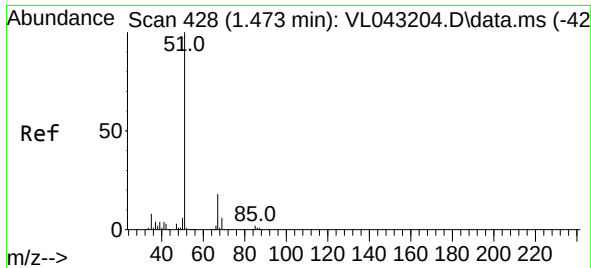
Reviewed By :Semsettin Yesilyurt 12/11/2025
Supervised By :Mahesh Dadoda 12/11/2025



#2
Dichlorodifluoromethane
Concen: 0.392 ppbv m
RT: 1.496 min Scan# 435
Delta R.T. -0.000 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40

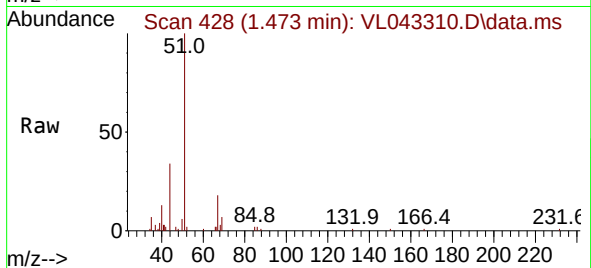
Tgt Ion: 85 Resp: 8408
Ion Ratio Lower Upper
85 100
87 43.2 25.4 38.2#





#3
Chlorodifluoromethane
Concen: 0.237 ppbv m
RT: 1.473 min Scan# 428
Delta R.T. -0.000 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40

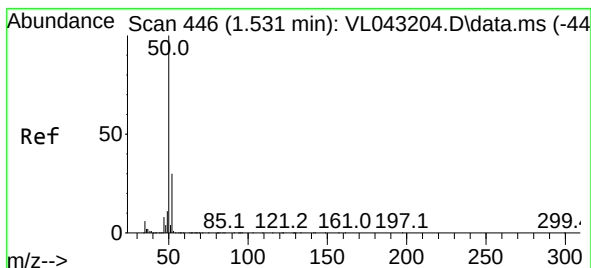
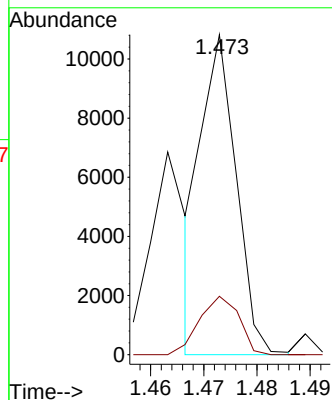
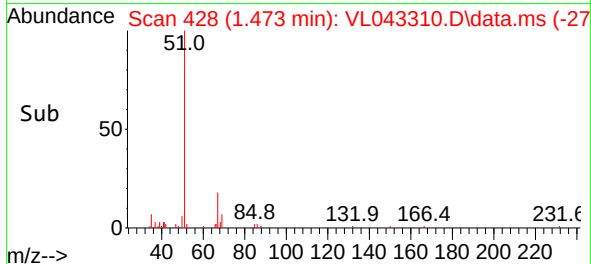
Instrument :
MSVOA_L
ClientSampleId :
AA-1



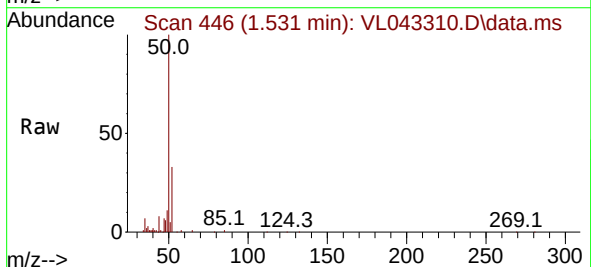
Tgt Ion: 51 Resp: 4994
Ion Ratio Lower Upper
51 100
67 20.5 14.9 22.3

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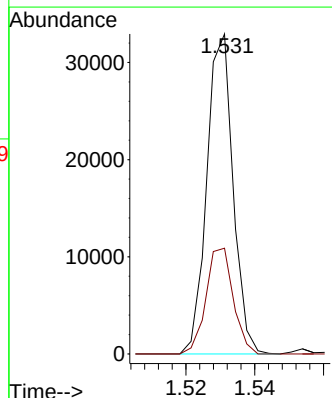
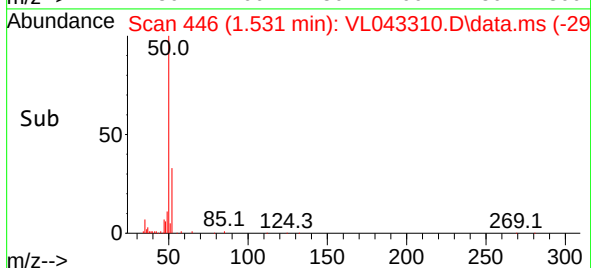
Reviewed By :Semsettin Yesilyurt 12/11/2025
Supervised By :Mahesh Dadoda 12/11/2025

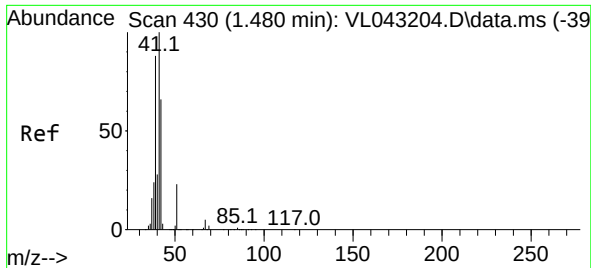


#4
Chloromethane
Concen: 2.178 ppbv
RT: 1.531 min Scan# 446
Delta R.T. -0.000 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40



Tgt Ion: 50 Resp: 17448
Ion Ratio Lower Upper
50 100
52 33.1 24.1 36.1





#9

Propene

Concen: 0.649 ppbv

RT: 1.483 min Scan# 41

Delta R.T. 0.003 min

Lab File: VL043310.D

Acq: 08 Dec 2025 12:40

Instrument :

MSVOA_L

ClientSampleId :

AA-1

Tgt Ion: 41 Resp: 5800

Ion Ratio Lower Upper

41 100

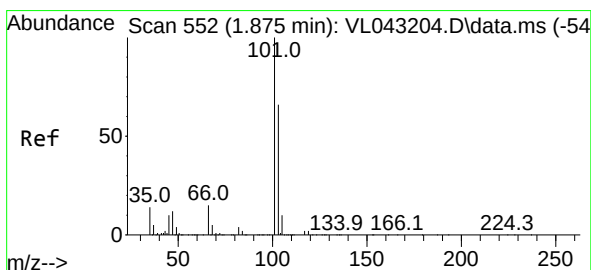
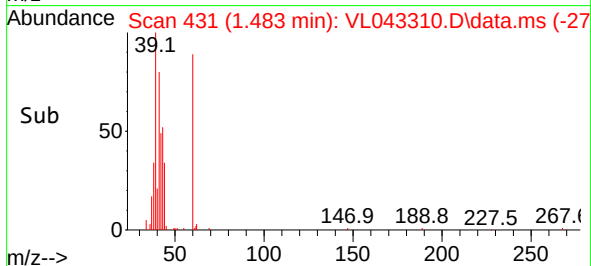
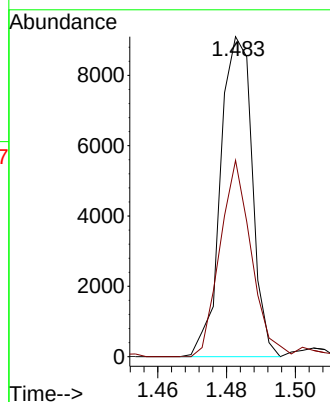
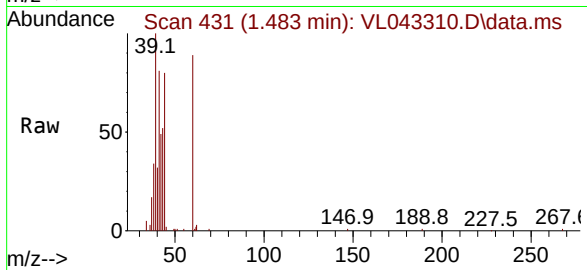
42 64.4 3.7 5.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/11/2025

Supervised By :Mahesh Dadoda 12/11/2025



#11

Trichlorofluoromethane

Concen: 0.214 ppbv

RT: 1.874 min Scan# 552

Delta R.T. -0.000 min

Lab File: VL043310.D

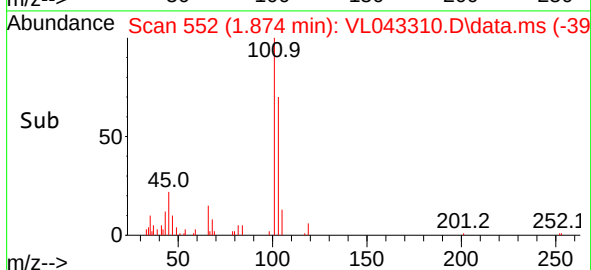
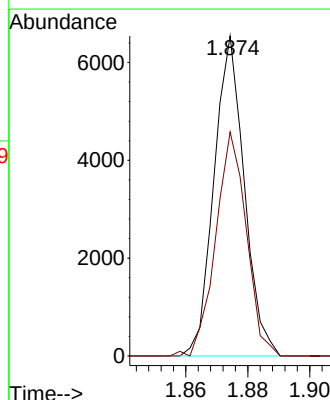
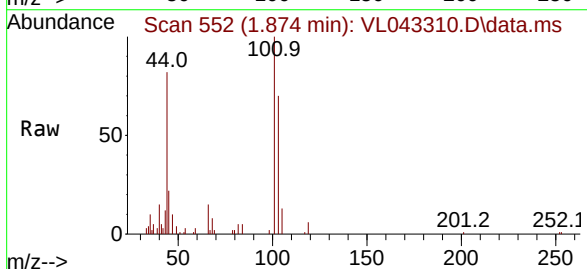
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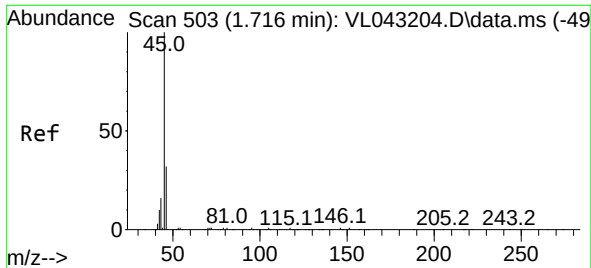
Tgt Ion:101 Resp: 4433

Ion Ratio Lower Upper

101 100

103 70.0 52.6 79.0





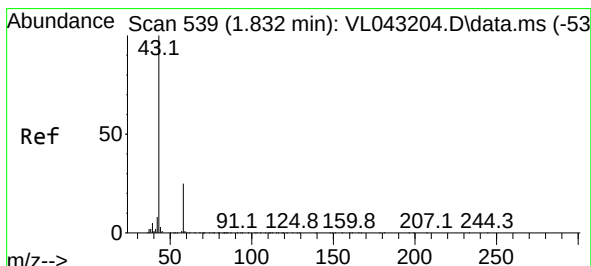
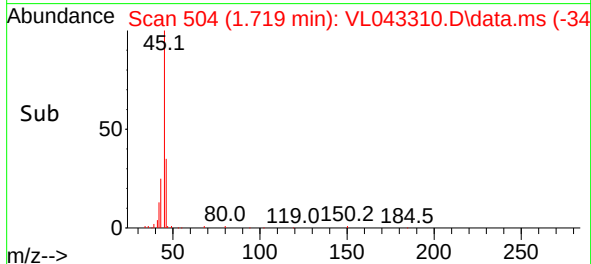
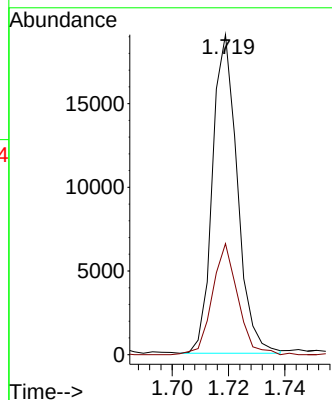
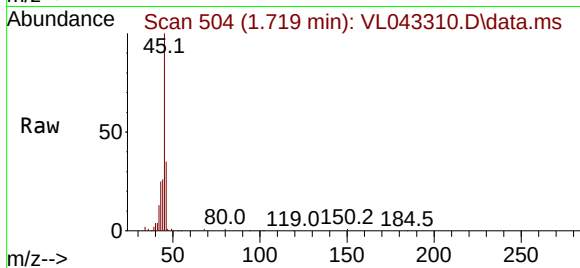
#13
Ethanol
Concen: 3.708 ppbv
RT: 1.719 min Scan# 503
Delta R.T. 0.003 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 45 Resp: 11664
Ion Ratio Lower Upper
45 100
46 0.0 15.0 59.8

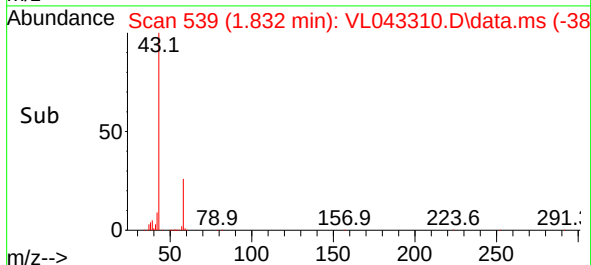
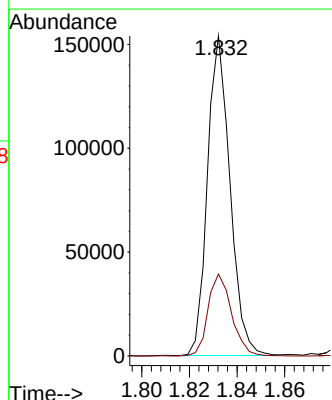
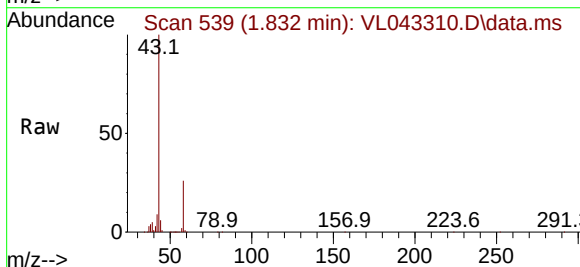
Manual Integrations
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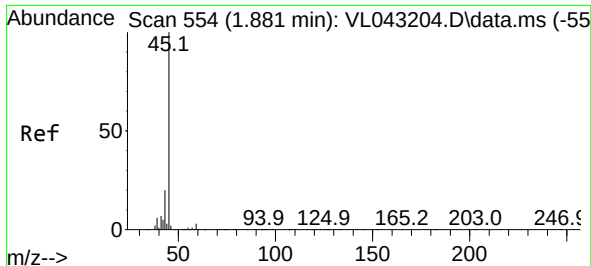
Reviewed By :Semsettin Yesilyurt 12/11/2025
Supervised By :Mahesh Dadoda 12/11/2025



#15
Acetone
Concen: 4.783 ppbv
RT: 1.832 min Scan# 539
Delta R.T. -0.000 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40

Tgt Ion: 43 Resp: 100928
Ion Ratio Lower Upper
43 100
58 26.8 20.7 31.1





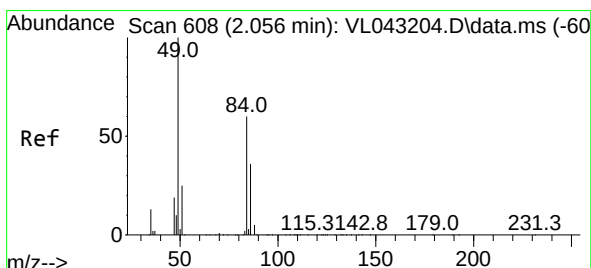
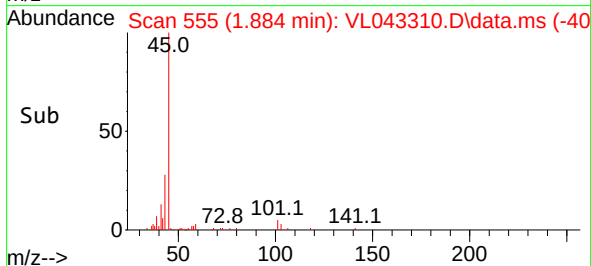
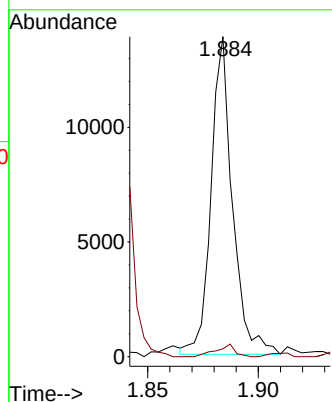
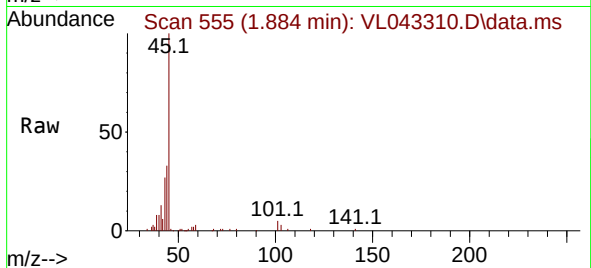
#19
Isopropyl Alcohol
Concen: 0.779 ppbv
RT: 1.884 min Scan# 510
Delta R.T. 0.003 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40

Instrument :
MSVOA_L
ClientSampleId :
AA-1

Tgt Ion: 45 Resp: 929
Ion Ratio Lower Upper
45 100
58 291.0 31.3 46.9

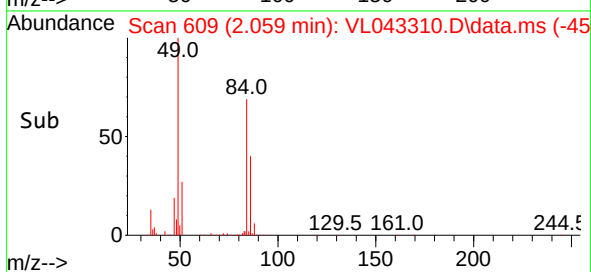
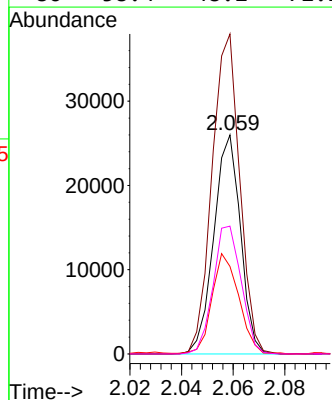
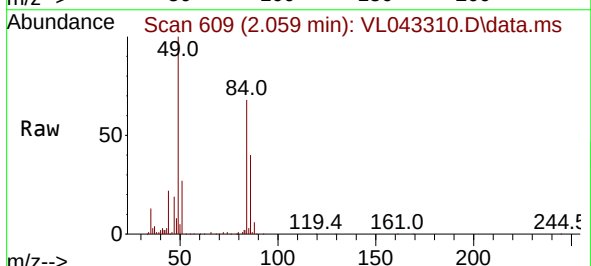
Manual Integrations
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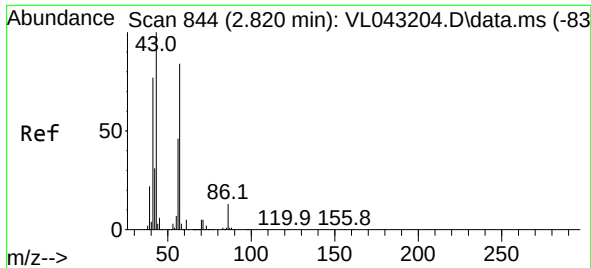
Reviewed By :Semsettin Yesilyurt 12/11/2025
Supervised By :Mahesh Dadoda 12/11/2025



#20
Methylene Chloride
Concen: 2.407 ppbv
RT: 2.059 min Scan# 609
Delta R.T. 0.003 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40

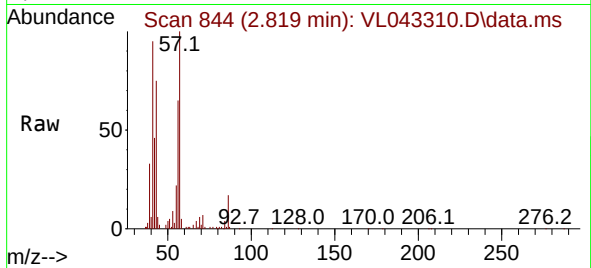
Tgt Ion: 84 Resp: 18675
Ion Ratio Lower Upper
84 100
49 146.1 132.9 199.3
51 39.7 34.8 52.2
86 58.4 48.2 72.2





#26
Hexane
Concen: 1.230 ppbv
RT: 2.819 min Scan# 844
Delta R.T. -0.000 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40

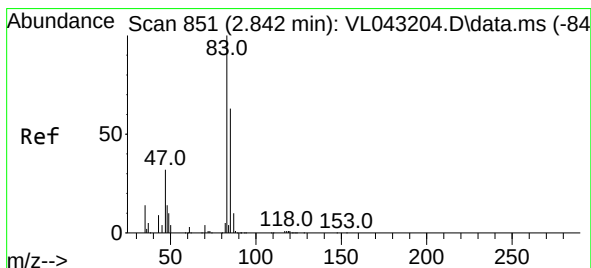
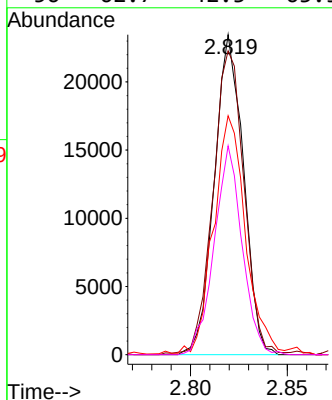
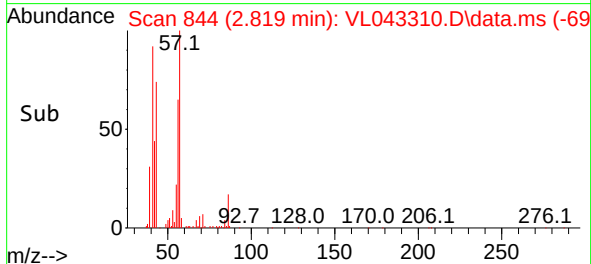
Instrument :
MSVOA_L
ClientSampleId :
AA-1



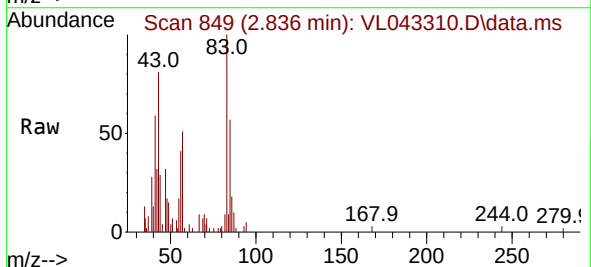
Tgt Ion: 57 Resp: 2455
Ion Ratio Lower Upper
57 100
41 101.6 74.6 111.8
43 83.3 179.0 268.4
56 62.7 42.3 63.5

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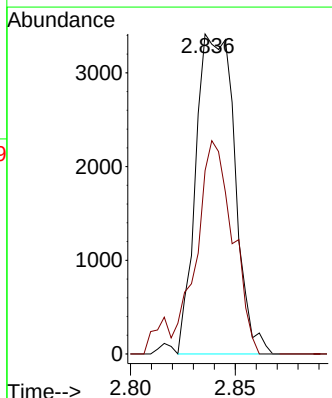
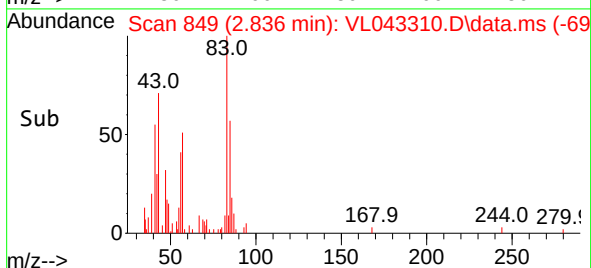
Reviewed By :Semsettin Yesilyurt 12/11/2025
Supervised By :Mahesh Dadoda 12/11/2025

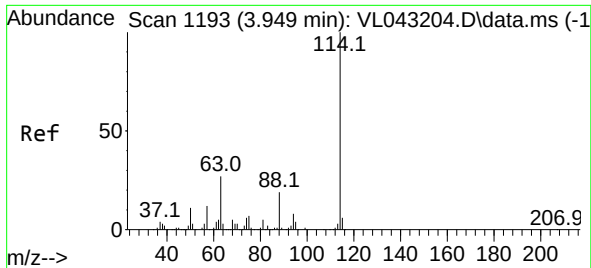


#29
Chloroform
Concen: 0.154 ppbv m
RT: 2.836 min Scan# 849
Delta R.T. -0.007 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40



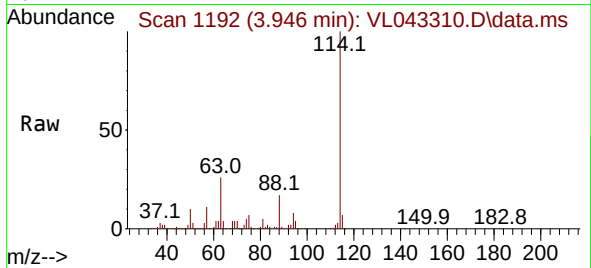
Tgt Ion: 83 Resp: 4378
Ion Ratio Lower Upper
83 100
85 57.3 50.5 75.7





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.946 min Scan# 1192
Delta R.T. -0.003 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40

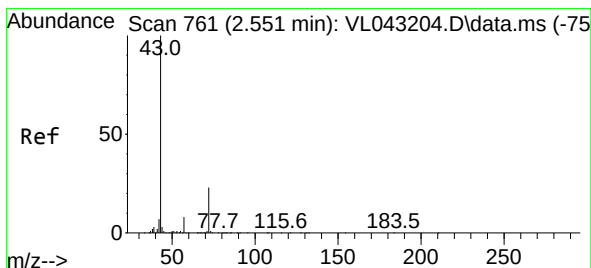
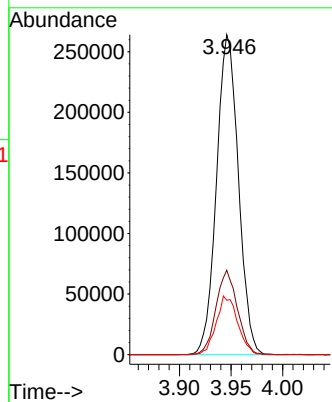
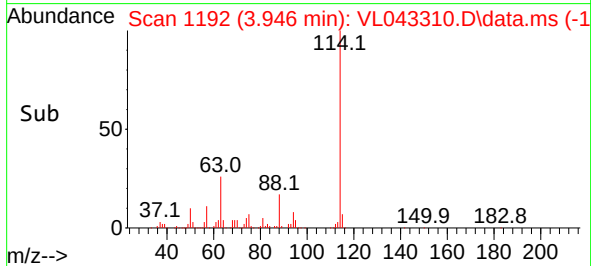
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion:114 Resp: 38999
Ion Ratio Lower Upper
114 100
63 25.9 21.0 31.6
88 18.0 14.9 22.3

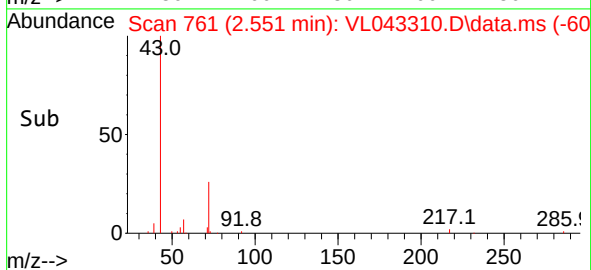
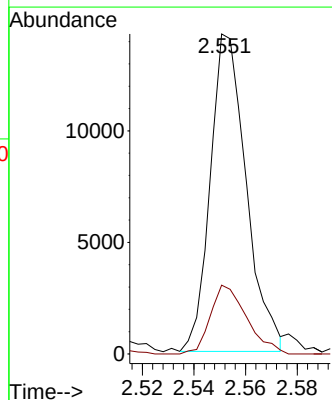
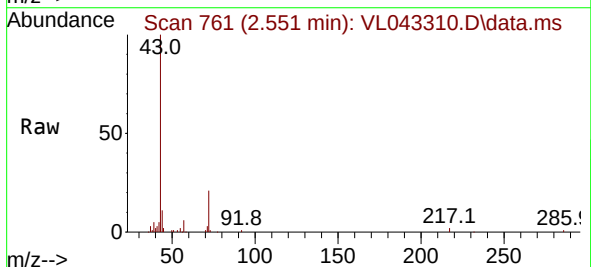
Manual Integrations
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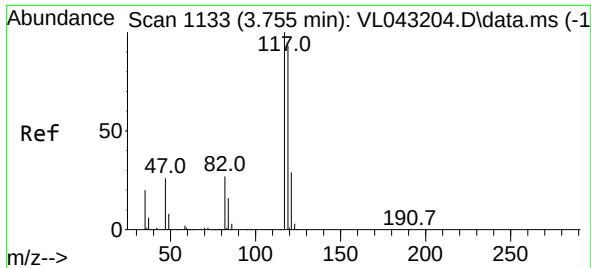
Reviewed By :Semsettin Yesilyurt 12/11/2025
Supervised By :Mahesh Dadoda 12/11/2025



#34
2-Butanone
Concen: 0.500 ppbv
RT: 2.551 min Scan# 761
Delta R.T. -0.000 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40

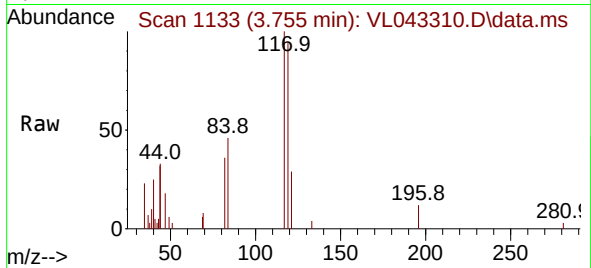
Tgt Ion: 43 Resp: 13762
Ion Ratio Lower Upper
43 100
72 21.9 18.1 27.1





#35
Carbon Tetrachloride
Concen: 0.091 ppbv m
RT: 3.755 min Scan# 1133
Delta R.T. -0.000 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40

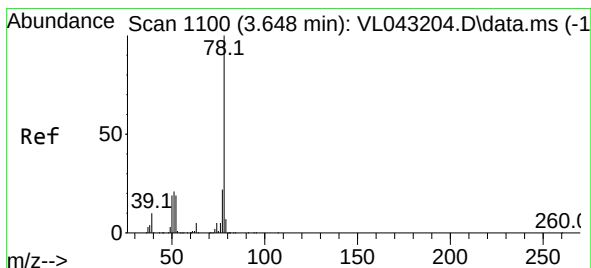
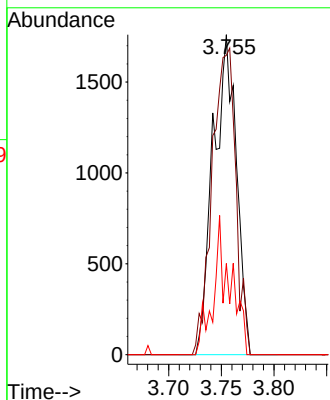
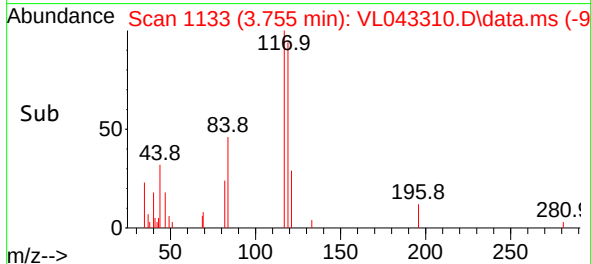
Instrument :
MSVOA_L
ClientSampleId :
AA-1



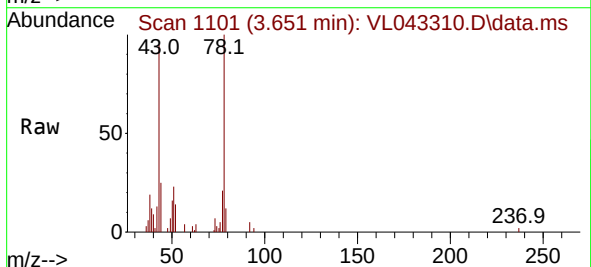
Tgt Ion:117 Resp: 2680
Ion Ratio Lower Upper
117 100
119 93.5 74.6 112.0
121 28.5 23.2 34.8

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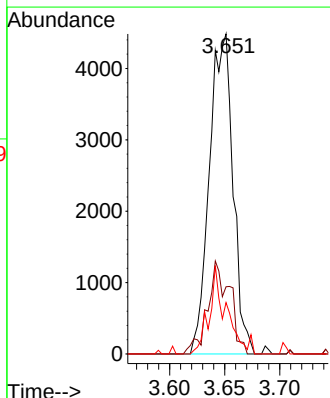
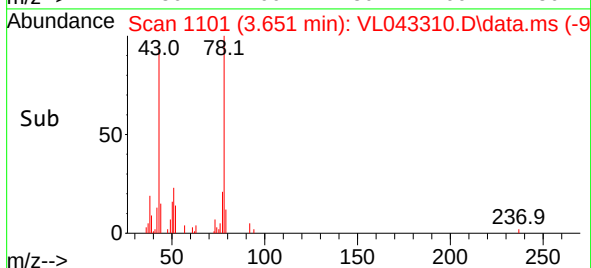
Reviewed By :Semsettin Yesilyurt 12/11/2025
Supervised By :Mahesh Dadoda 12/11/2025

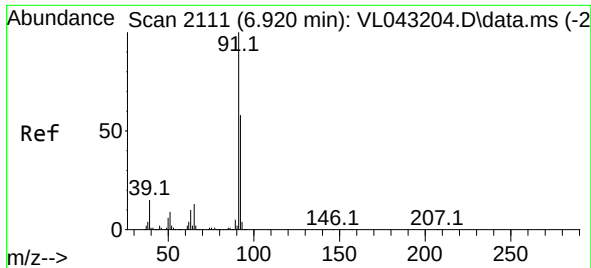


#36
Benzene
Concen: 0.180 ppbv m
RT: 3.651 min Scan# 1101
Delta R.T. 0.003 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40



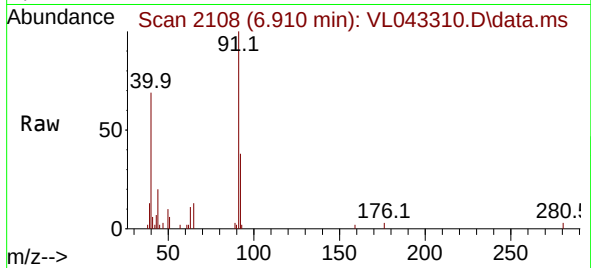
Tgt Ion: 78 Resp: 6717
Ion Ratio Lower Upper
78 100
77 21.0 17.5 26.3
50 16.0 15.5 23.3





#53
Toluene
Concen: 0.130 ppbv m
RT: 6.910 min Scan# 2111
Delta R.T. -0.010 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40

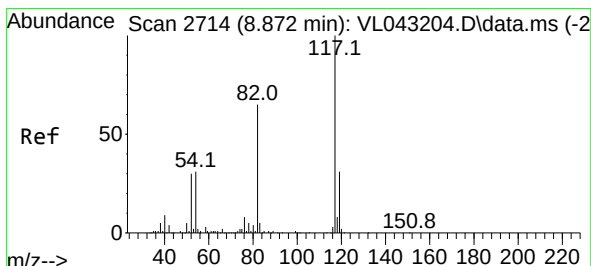
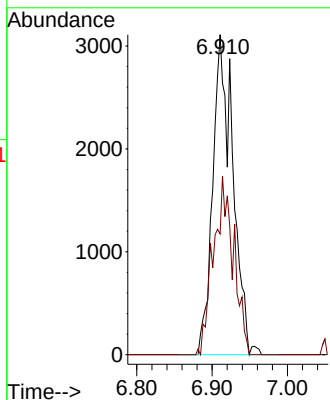
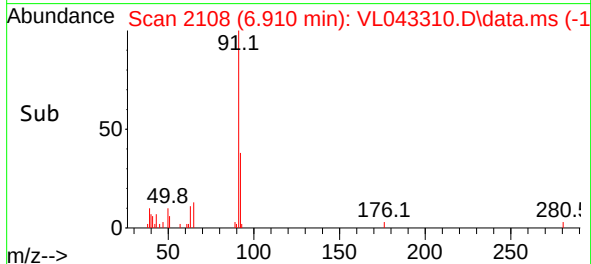
Instrument :
MSVOA_L
ClientSampleId :
AA-1



Tgt Ion: 91 Resp: 574
Ion Ratio Lower Upper
91 100
92 55.9 47.4 71.0

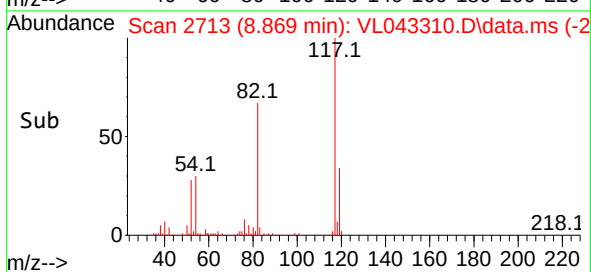
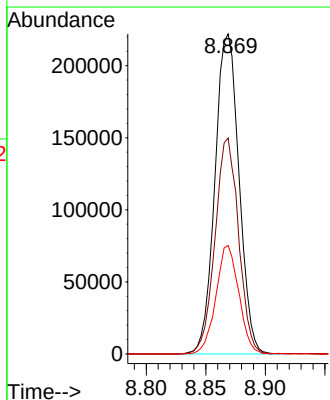
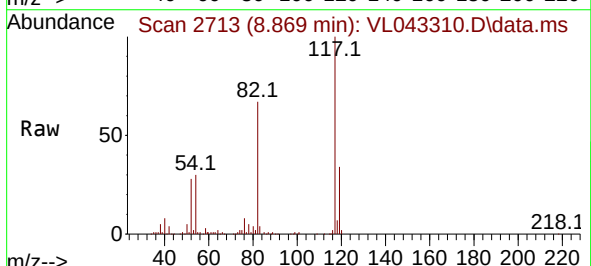
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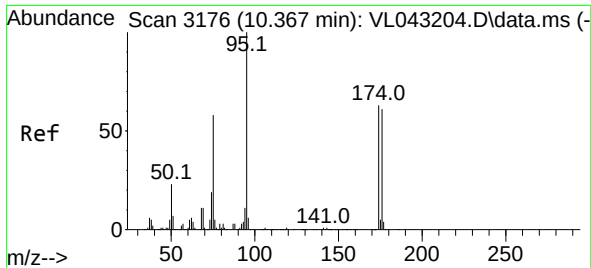
Reviewed By :Semsettin Yesilyurt 12/11/2025
Supervised By :Mahesh Dadoda 12/11/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.869 min Scan# 2713
Delta R.T. -0.003 min
Lab File: VL043310.D
Acq: 08 Dec 2025 12:40

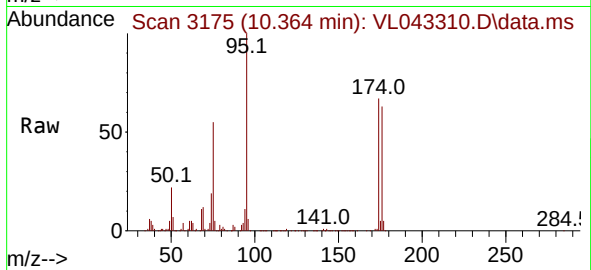
Tgt Ion:117 Resp: 311445
Ion Ratio Lower Upper
117 100
82 66.3 56.1 84.1
119 32.4 25.0 37.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.227 ppbv
 RT: 10.364 min Scan# 3175
 Delta R.T. -0.003 min
 Lab File: VL043310.D
 Acq: 08 Dec 2025 12:40

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1



Tgt Ion: 95 Resp: 23348
 Ion Ratio Lower Upper
 95 100
 174 66.4 50.2 75.2
 175 5.1 4.1 6.1

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

