

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
 Data File : VL043296.D
 Acq On : 02 Dec 2025 13:38
 Operator : SY/MD
 Sample : Q3744-02
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 00:06:15 2025

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri 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	2.797	49	126789	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.971	114	324565	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.891	117	247329	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.387	95	172635	9.522	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.505	85	8865	0.496	ppbv	98
3) Chlorodifluoromethane	1.479	51	4504m	0.256	ppbv	
4) Chloromethane	1.538	50	3024	0.452	ppbv #	81
9) Propene	1.492	41	11744	1.573	ppbv #	1
11) Trichlorofluoromethane	1.887	101	4741	0.274	ppbv	97
13) Ethanol	1.729	45	22036	8.391	ppbv	96
15) Acetone	1.842	43	47521	2.698	ppbv	93
19) Isopropyl Alcohol	1.894	45	10741	1.079	ppbv #	3
20) Methylene Chloride	2.068	84	5935	0.389	ppbv	95
26) Hexane	2.839	57	9224	0.554	ppbv #	45
34) 2-Butanone	2.570	43	3785	0.165	ppbv	93
35) Carbon Tetrachloride	3.774	117	2126m	0.086	ppbv	
36) Benzene	3.671	78	8750	0.282	ppbv	94
44) 2,2,4-Trimethylpentane	4.651	57	7744m	0.145	ppbv	
53) Toluene	6.949	91	29906	0.813	ppbv	98
59) m/p-Xylene	9.542	91	7777m	0.204	ppbv	

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

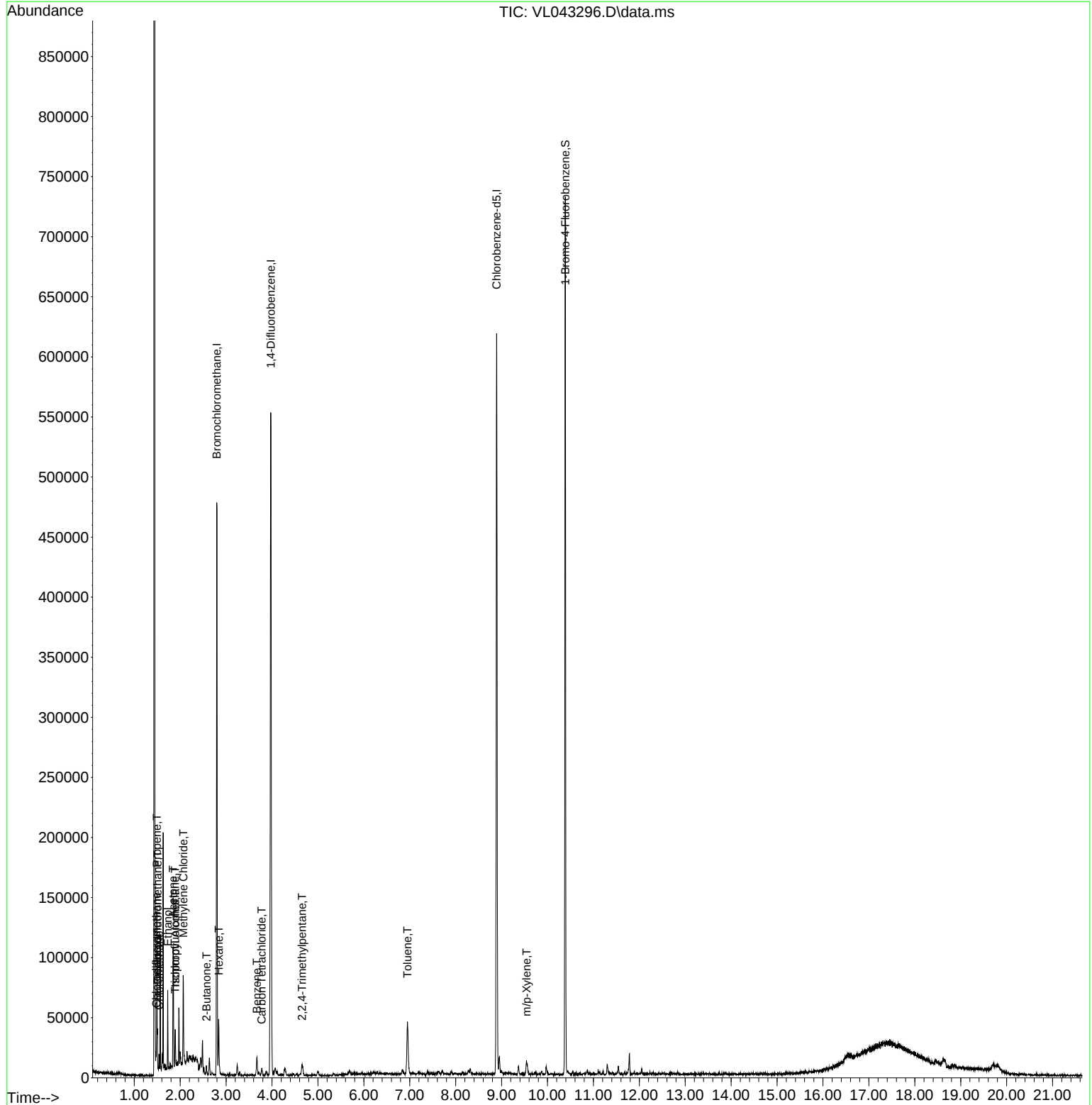
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL120225\
Data File : VL043296.D
Acq On : 02 Dec 2025 13:38
Operator : SY/MD
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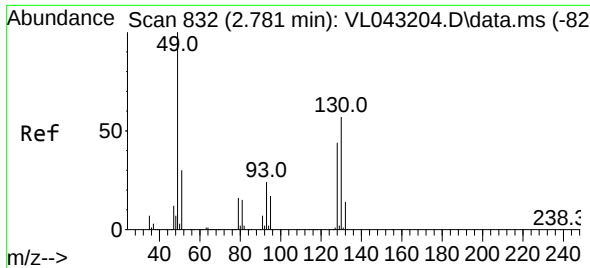
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Dec 03 00:06:15 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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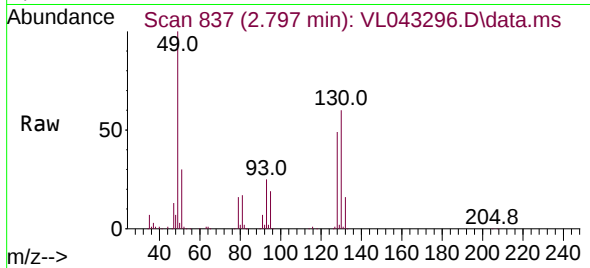
Reviewed By : Semsettin Yesilyurt 12/03/2025
Supervised By : Mahesh Dadoda 12/03/2025





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.797 min Scan# 832
Delta R.T. 0.016 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

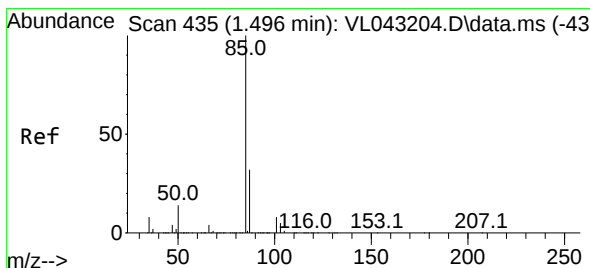
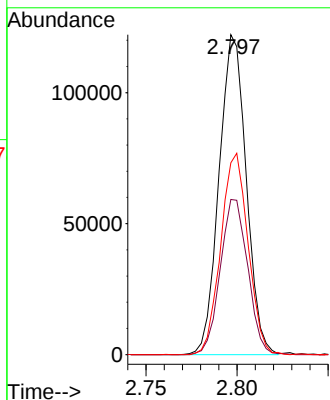
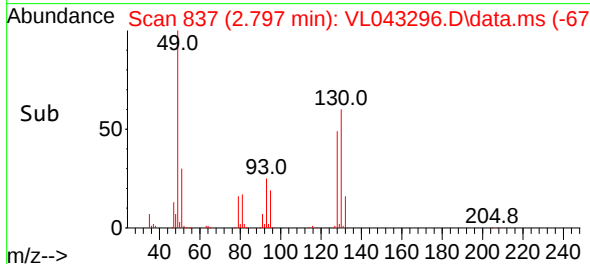
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 49 Resp: 126789
Ion Ratio Lower Upper
49 100
128 49.0 23.0 69.0
130 63.2 29.9 89.7

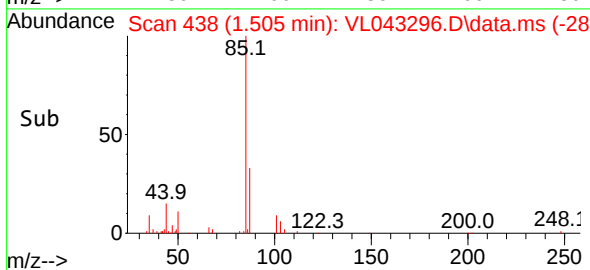
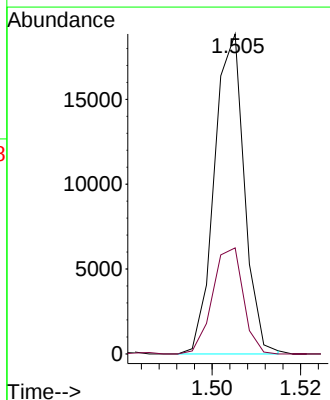
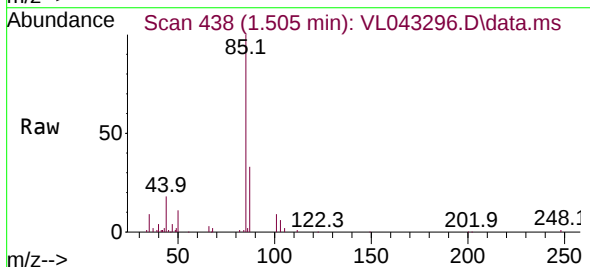
Manual Integrations
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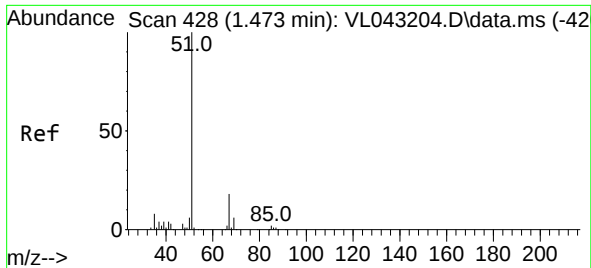
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#2
Dichlorodifluoromethane
Concen: 0.496 ppbv
RT: 1.505 min Scan# 438
Delta R.T. 0.009 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

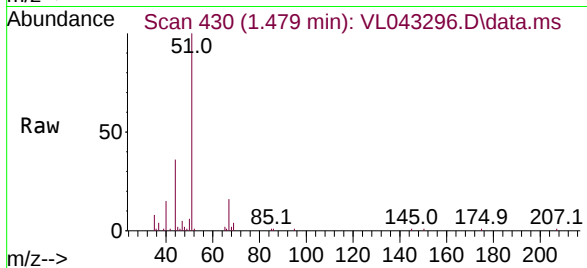
Tgt Ion: 85 Resp: 8865
Ion Ratio Lower Upper
85 100
87 33.1 25.4 38.2





#3
Chlorodifluoromethane
Concen: 0.256 ppbv m
RT: 1.479 min Scan# 431
Delta R.T. 0.006 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

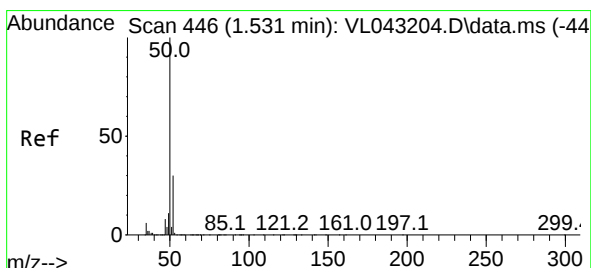
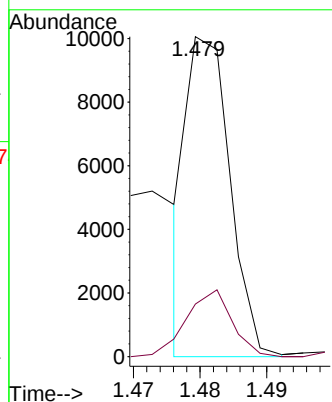
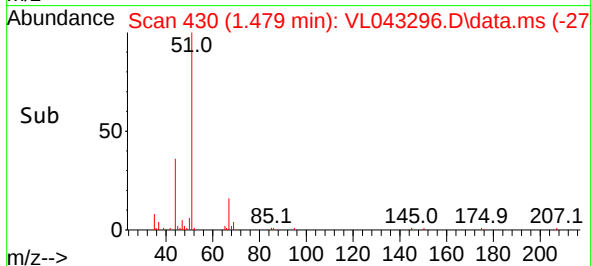
Instrument :
MSVOA_L
ClientSampleId :
IA1



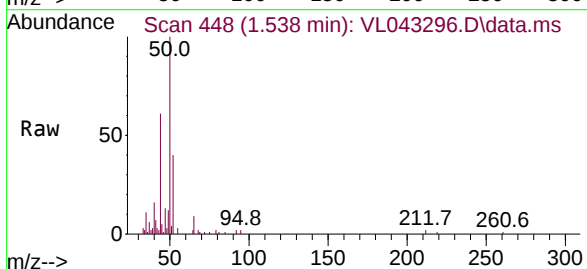
Tgt Ion: 51 Resp: 4504
Ion Ratio Lower Upper
51 100
67 23.2 14.9 22.3#

Manual Integrations
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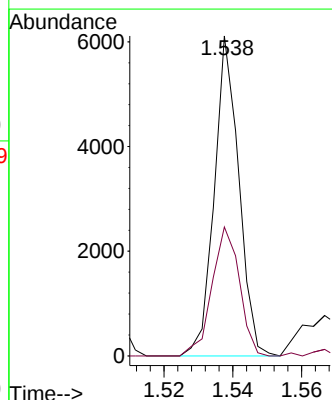
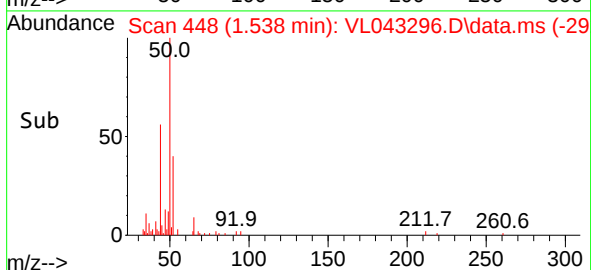
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

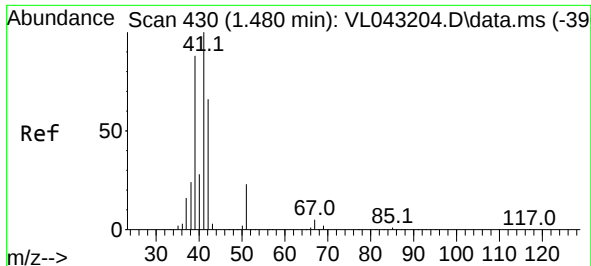


#4
Chloromethane
Concen: 0.452 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38



Tgt Ion: 50 Resp: 3024
Ion Ratio Lower Upper
50 100
52 40.3 24.1 36.1#





#9

Propene

Concen: 1.573 ppbv

RT: 1.492 min Scan# 431

Delta R.T. 0.013 min

Lab File: VL043296.D

Acq: 02 Dec 2025 13:38

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion: 41 Resp: 11744

Ion Ratio Lower Upper

41 100

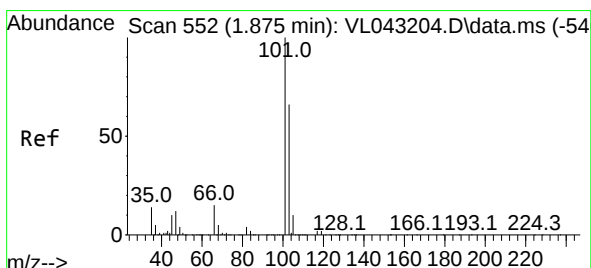
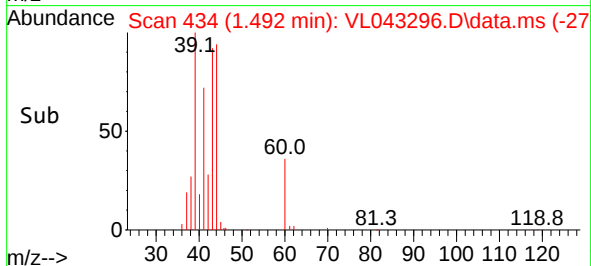
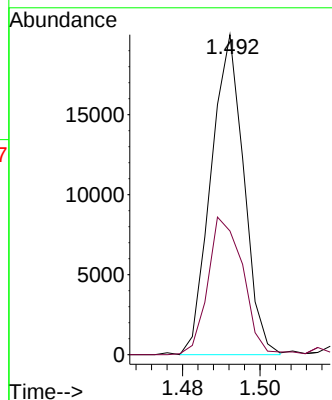
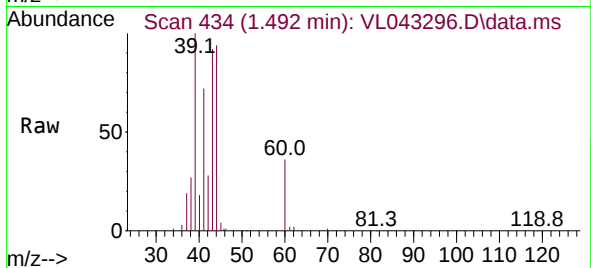
42 47.0 3.7 5.5

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#11

Trichlorofluoromethane

Concen: 0.274 ppbv

RT: 1.887 min Scan# 556

Delta R.T. 0.013 min

Lab File: VL043296.D

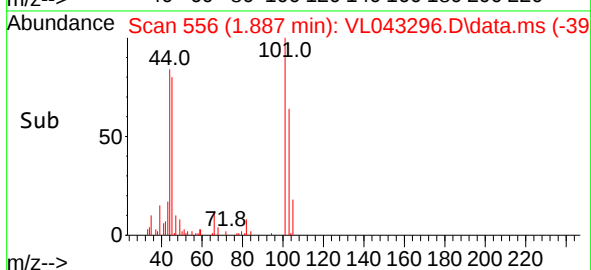
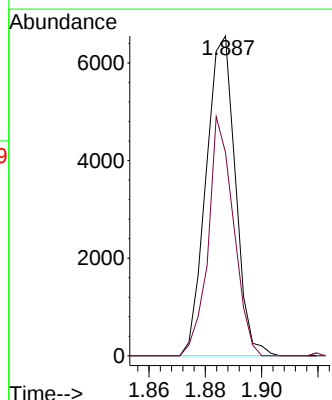
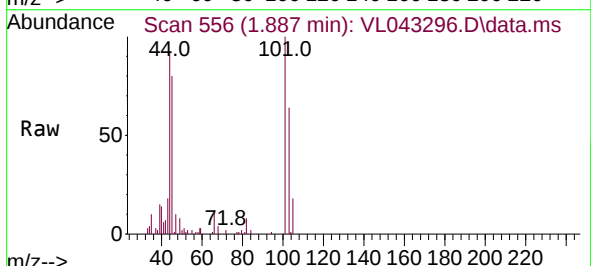
Acq: 02 Dec 2025 13:38

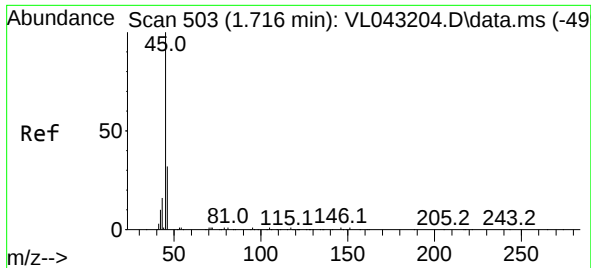
Tgt Ion:101 Resp: 4741

Ion Ratio Lower Upper

101 100

103 63.6 52.6 79.0





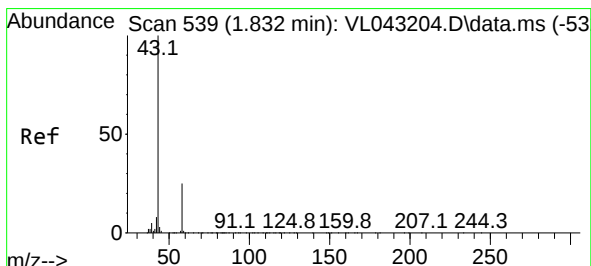
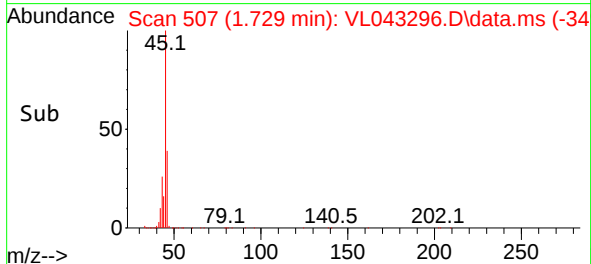
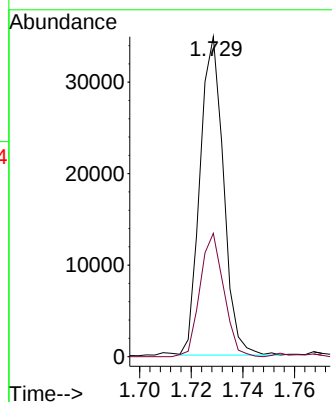
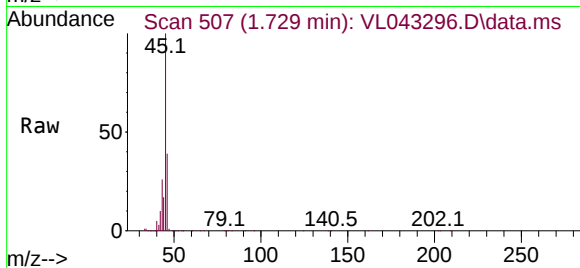
#13
Ethanol
Concen: 8.391 ppbv
RT: 1.729 min Scan# 503
Delta R.T. 0.013 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 22036
Ion Ratio Lower Upper
45 100
46 39.5 15.0 59.8

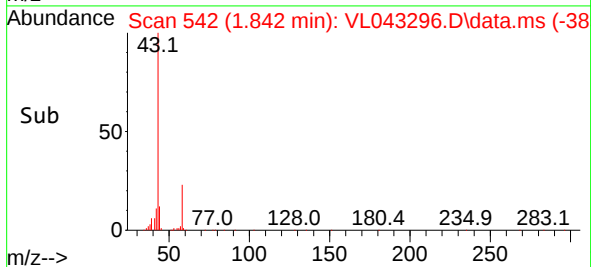
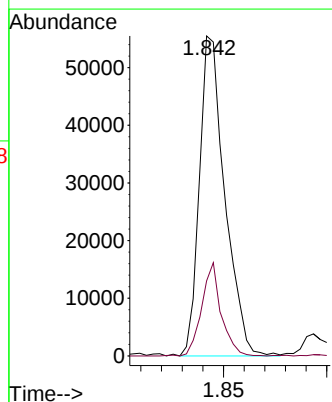
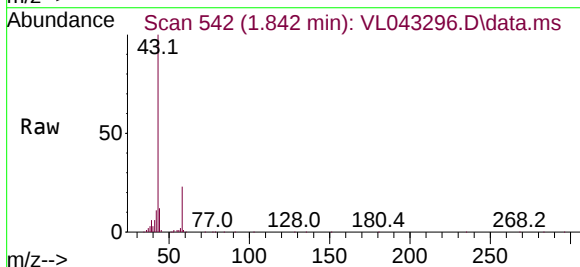
Manual Integrations
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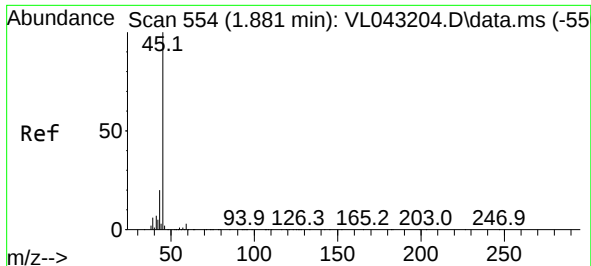
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#15
Acetone
Concen: 2.698 ppbv
RT: 1.842 min Scan# 542
Delta R.T. 0.009 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

Tgt Ion: 43 Resp: 47521
Ion Ratio Lower Upper
43 100
58 22.3 20.7 31.1





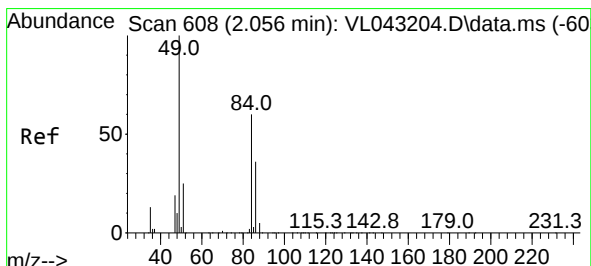
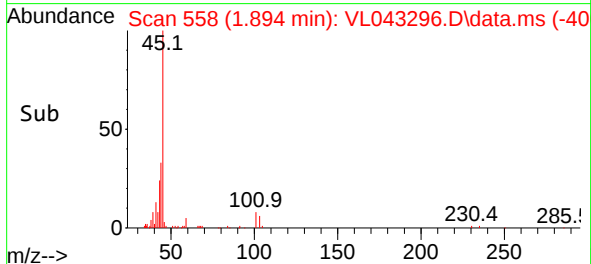
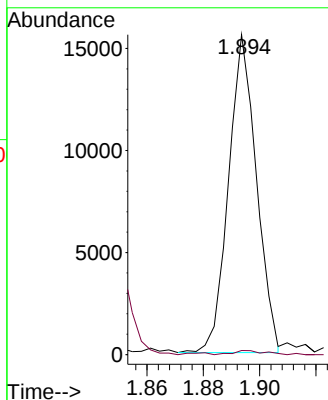
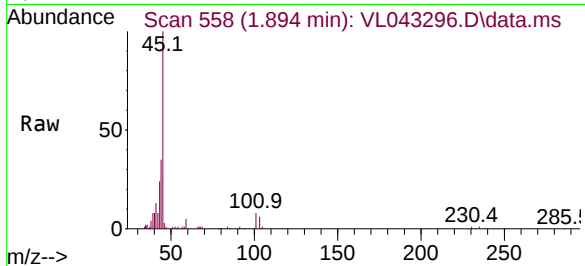
#19
Isopropyl Alcohol
Concen: 1.079 ppbv
RT: 1.894 min Scan# 511
Delta R.T. 0.013 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 45 Resp: 1074
Ion Ratio Lower Upper
45 100
58 98.6 31.3 46.9

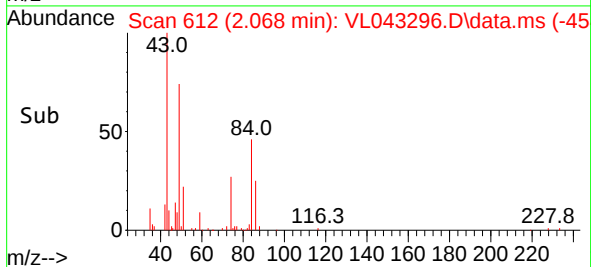
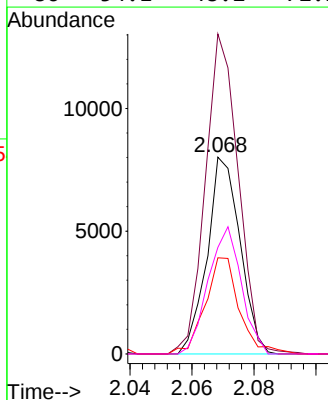
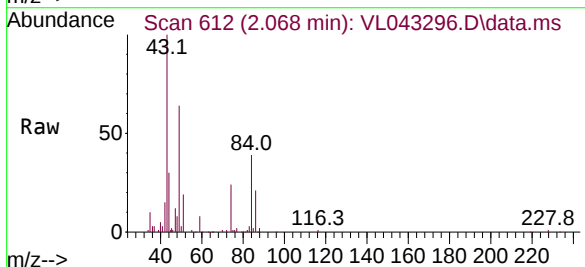
Manual Integrations
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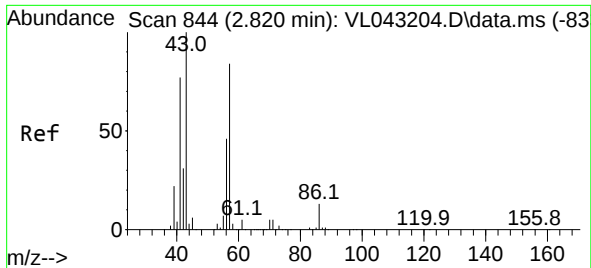
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#20
Methylene Chloride
Concen: 0.389 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.012 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

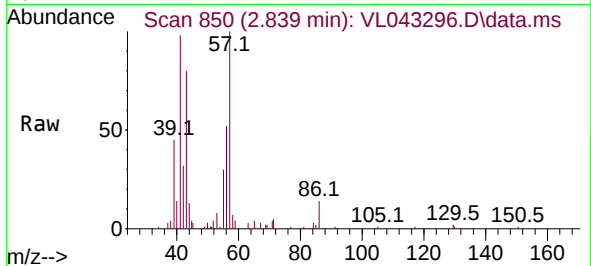
Tgt Ion: 84 Resp: 5935
Ion Ratio Lower Upper
84 100
49 161.2 132.9 199.3
51 46.0 34.8 52.2
86 54.1 48.2 72.2





#26
Hexane
Concen: 0.554 ppbv
RT: 2.839 min Scan# 844
Delta R.T. 0.019 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

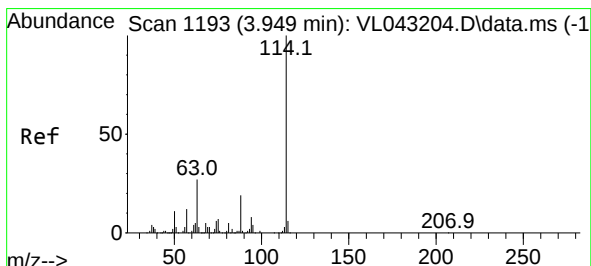
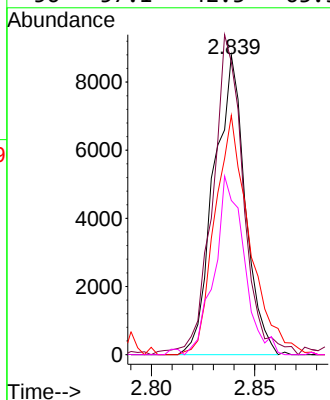
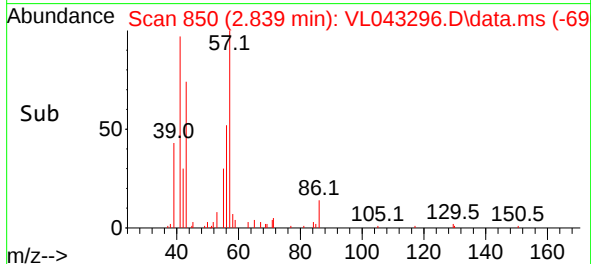
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 57 Resp: 9224
Ion Ratio Lower Upper
57 100
41 108.4 74.6 111.8
43 89.0 179.0 268.4
56 57.1 42.3 63.5

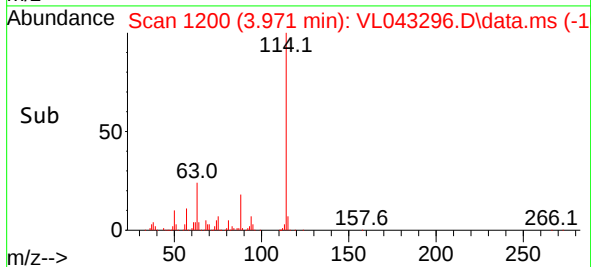
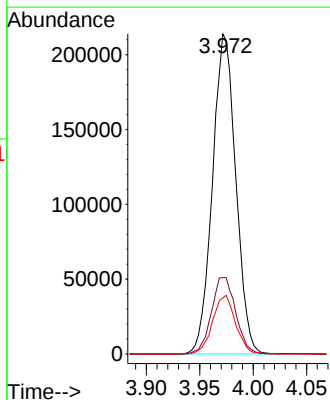
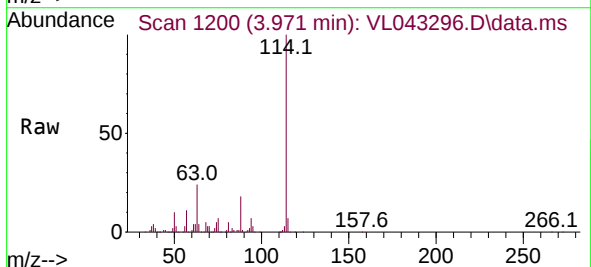
Manual Integrations
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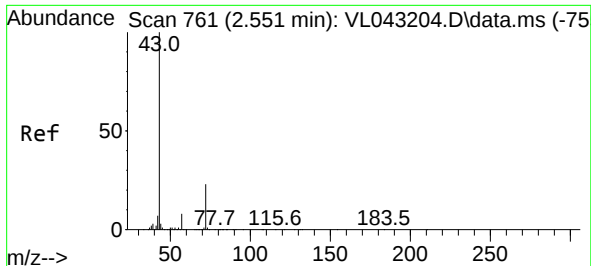
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.971 min Scan# 1200
Delta R.T. 0.022 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

Tgt Ion:114 Resp: 324565
Ion Ratio Lower Upper
114 100
63 24.9 21.0 31.6
88 17.9 14.9 22.3





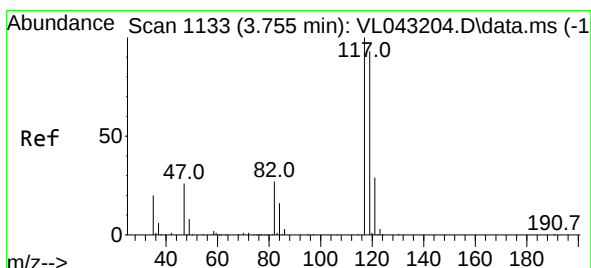
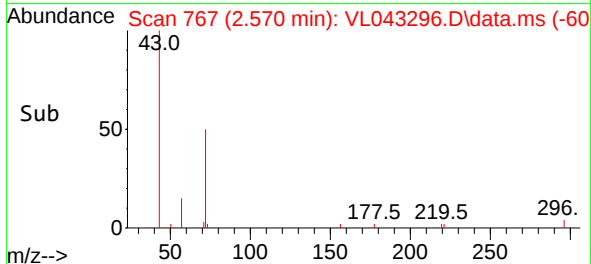
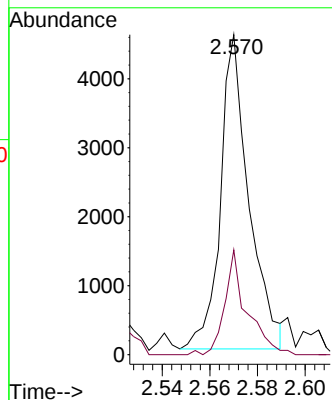
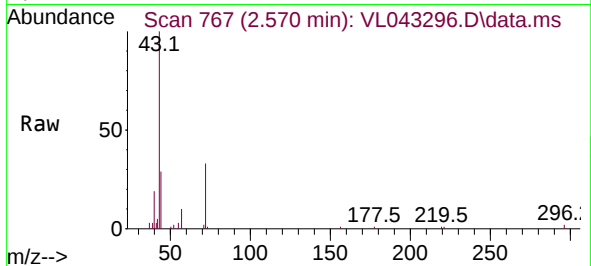
#34
2-Butanone
Concen: 0.165 ppbv
RT: 2.570 min Scan# 761
Delta R.T. 0.019 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 3785
Ion Ratio Lower Upper
43 100
72 25.8 18.1 27.1

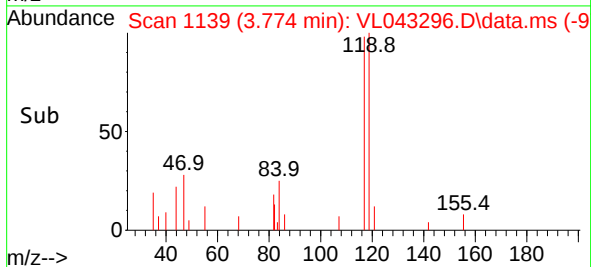
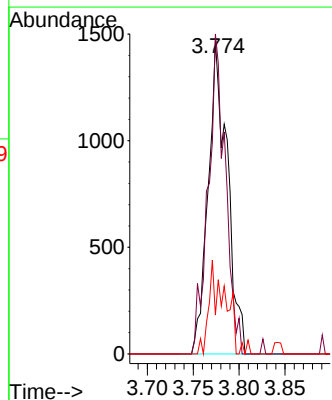
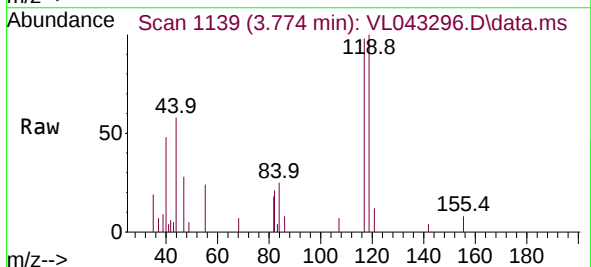
Manual Integrations
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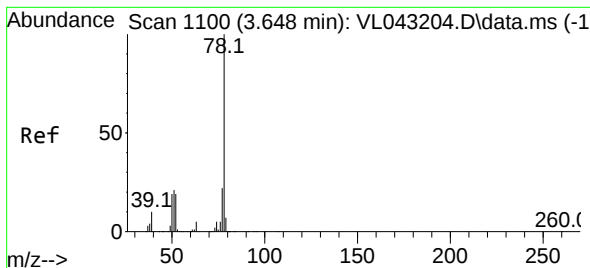
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#35
Carbon Tetrachloride
Concen: 0.086 ppbv m
RT: 3.774 min Scan# 1139
Delta R.T. 0.019 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

Tgt Ion:117 Resp: 2126
Ion Ratio Lower Upper
117 100
119 102.2 74.6 112.0
121 12.4 23.2 34.8#





#36

Benzene

Concen: 0.282 ppbv

RT: 3.671 min Scan# 1100

Delta R.T. 0.022 min

Lab File: VL043296.D

Acq: 02 Dec 2025 13:38

Instrument :

MSVOA_L

ClientSampleId :

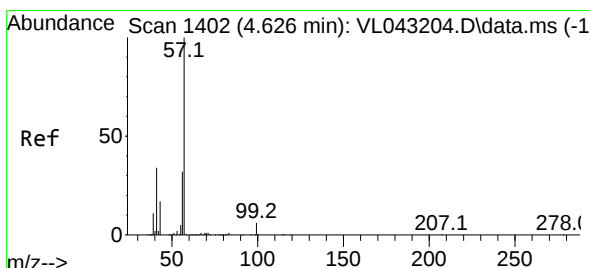
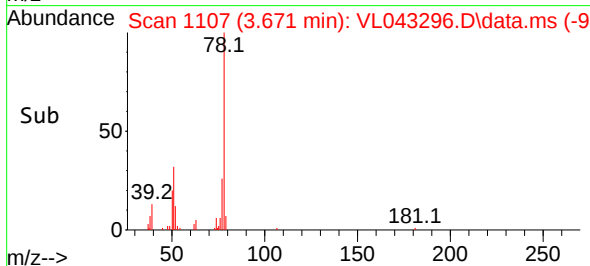
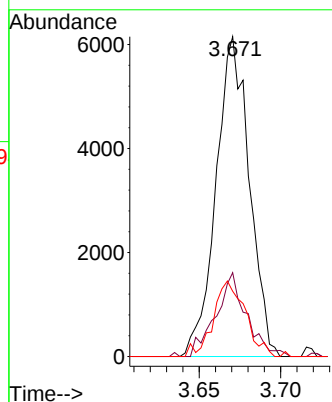
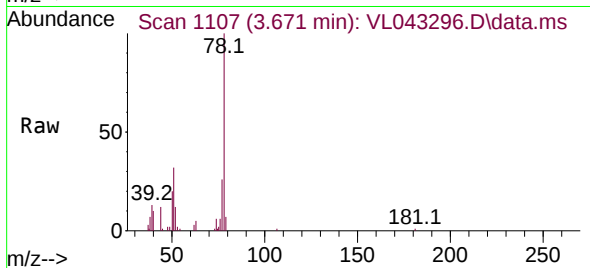
IA1

Tgt Ion: 78	Resp: 8750
Ion Ratio	Lower Upper
78 100	
77 26.2	17.5 26.3
50 20.4	15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#44

2,2,4-Trimethylpentane

Concen: 0.145 ppbv m

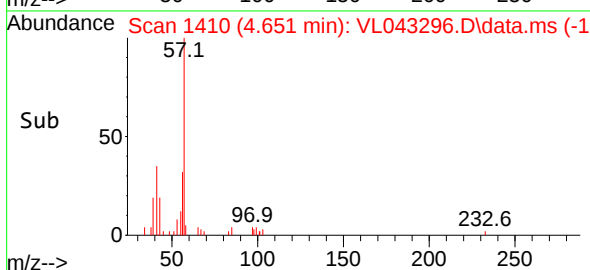
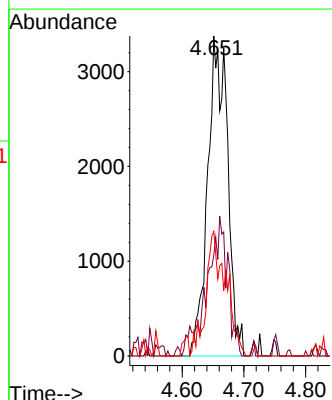
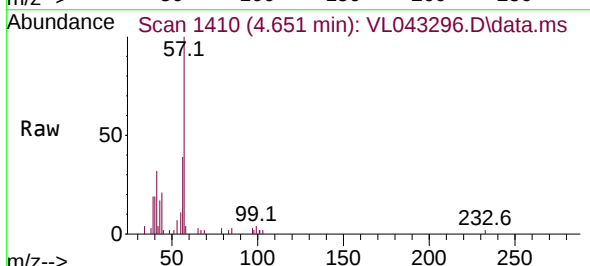
RT: 4.651 min Scan# 1410

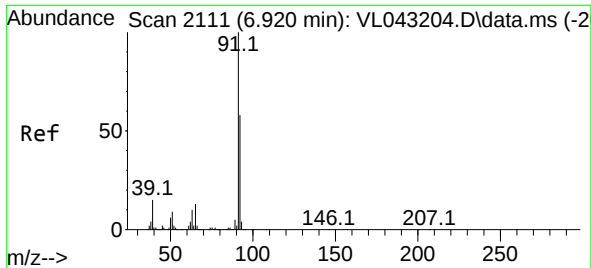
Delta R.T. 0.026 min

Lab File: VL043296.D

Acq: 02 Dec 2025 13:38

Tgt Ion: 57	Resp: 7744
Ion Ratio	Lower Upper
57 100	
41 0.0	28.0 42.0#
56 39.6	25.6 38.4#





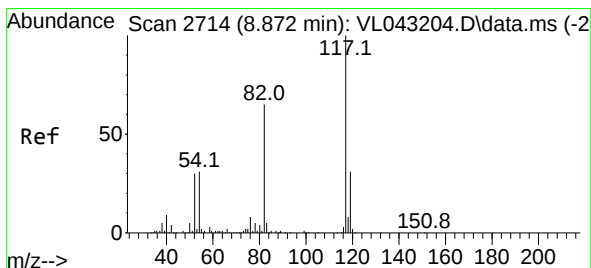
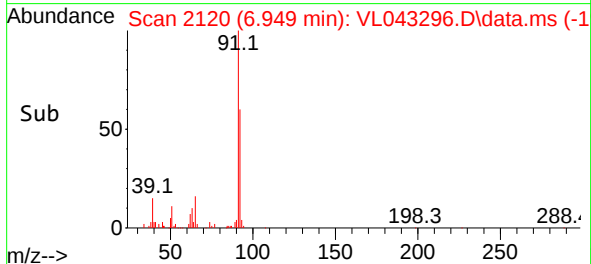
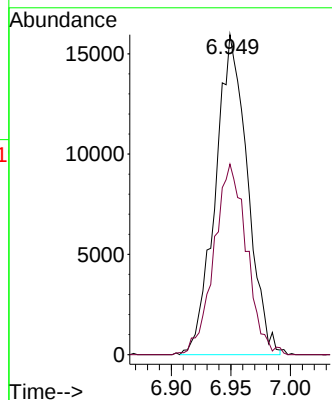
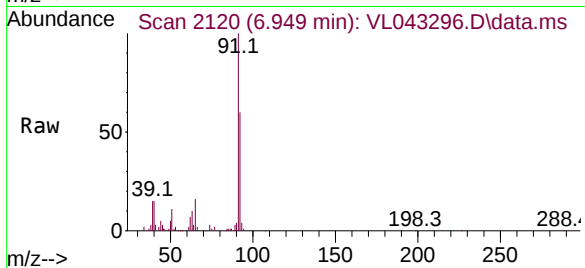
#53
Toluene
Concen: 0.813 ppbv
RT: 6.949 min Scan# 2111
Delta R.T. 0.029 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 29906
Ion Ratio Lower Upper
91 100
92 60.7 47.4 71.0

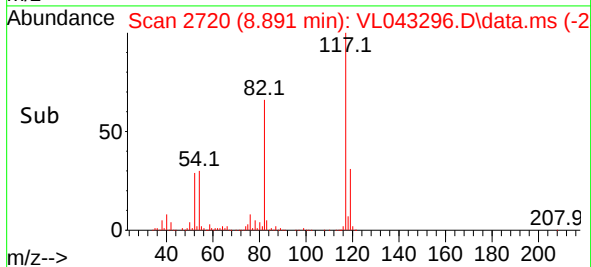
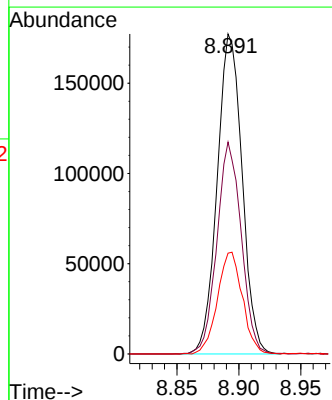
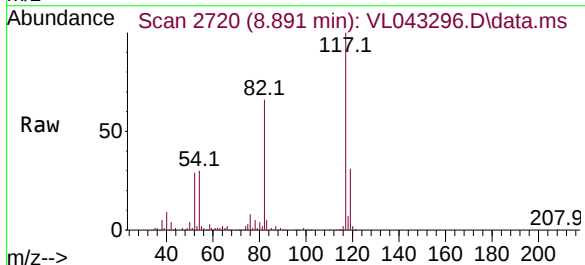
Manual Integrations
APPROVED

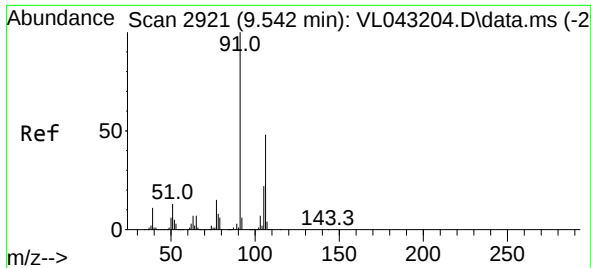
Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.891 min Scan# 2720
Delta R.T. 0.019 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

Tgt Ion:117 Resp: 247329
Ion Ratio Lower Upper
117 100
82 64.5 56.1 84.1
119 32.0 25.0 37.6





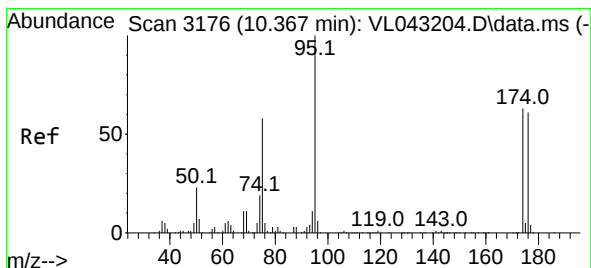
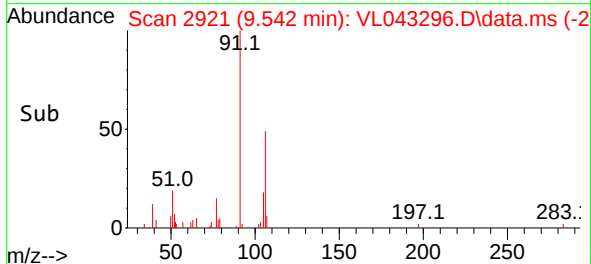
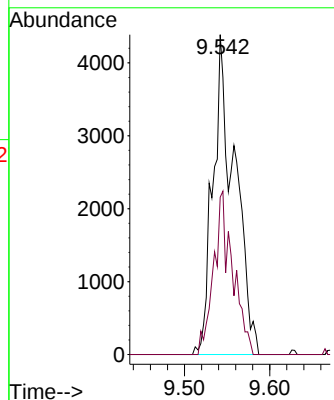
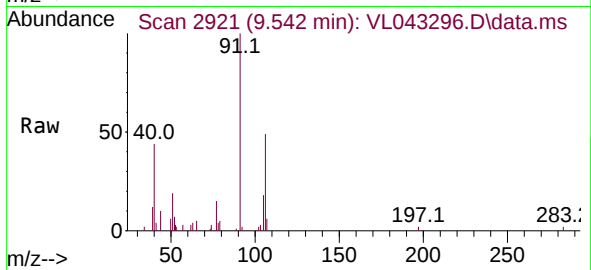
#59
m/p-Xylene
Concen: 0.204 ppbv m
RT: 9.542 min Scan# 2921
Delta R.T. -0.000 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 91 Resp: 7772
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 9.522 ppbv
RT: 10.387 min Scan# 3182
Delta R.T. 0.019 min
Lab File: VL043296.D
Acq: 02 Dec 2025 13:38

Tgt Ion: 95 Resp: 172635
Ion Ratio Lower Upper
95 100
174 67.6 50.2 75.2
175 5.0 4.1 6.1

