

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010325\
 Data File : VL041831.D
 Acq On : 03 Jan 2025 16:50
 Operator : SY/MD
 Sample : P5395-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/06/2025
 Supervised By :Mahesh Dadoda 01/06/2025

Quant Time: Jan 03 17:13:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Thu Dec 19 07:32:09 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	2.800	49	84721	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	202396	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.901	117	181750	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.393	95	160817	10.618	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.200%
Target Compounds						
2) Dichlorodifluoromethane	1.502	85	1618	0.107	ppbv	Qvalue 91
15) Acetone	1.855	43	22759	1.381	ppbv	96
20) Methylene Chloride	2.069	84	703	0.150	ppbv #	58
26) Hexane	2.839	57	1759	0.151	ppbv #	36
34) 2-Butanone	2.590	43	3027m	0.186	ppbv	
52) Tetrachloroethene	8.244	164	2424m	0.311	ppbv	
53) Toluene	6.959	91	11103m	0.468	ppbv	
58) Ethyl Benzene	9.377	91	2793	0.085	ppbv	99
59) m/p-Xylene	9.552	91	8030	0.305	ppbv #	100
60) o-Xylene	9.985	91	3967m	0.150	ppbv	
74) 1,2,4-Trimethylbenzene	11.549	105	5601m	0.202	ppbv	

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

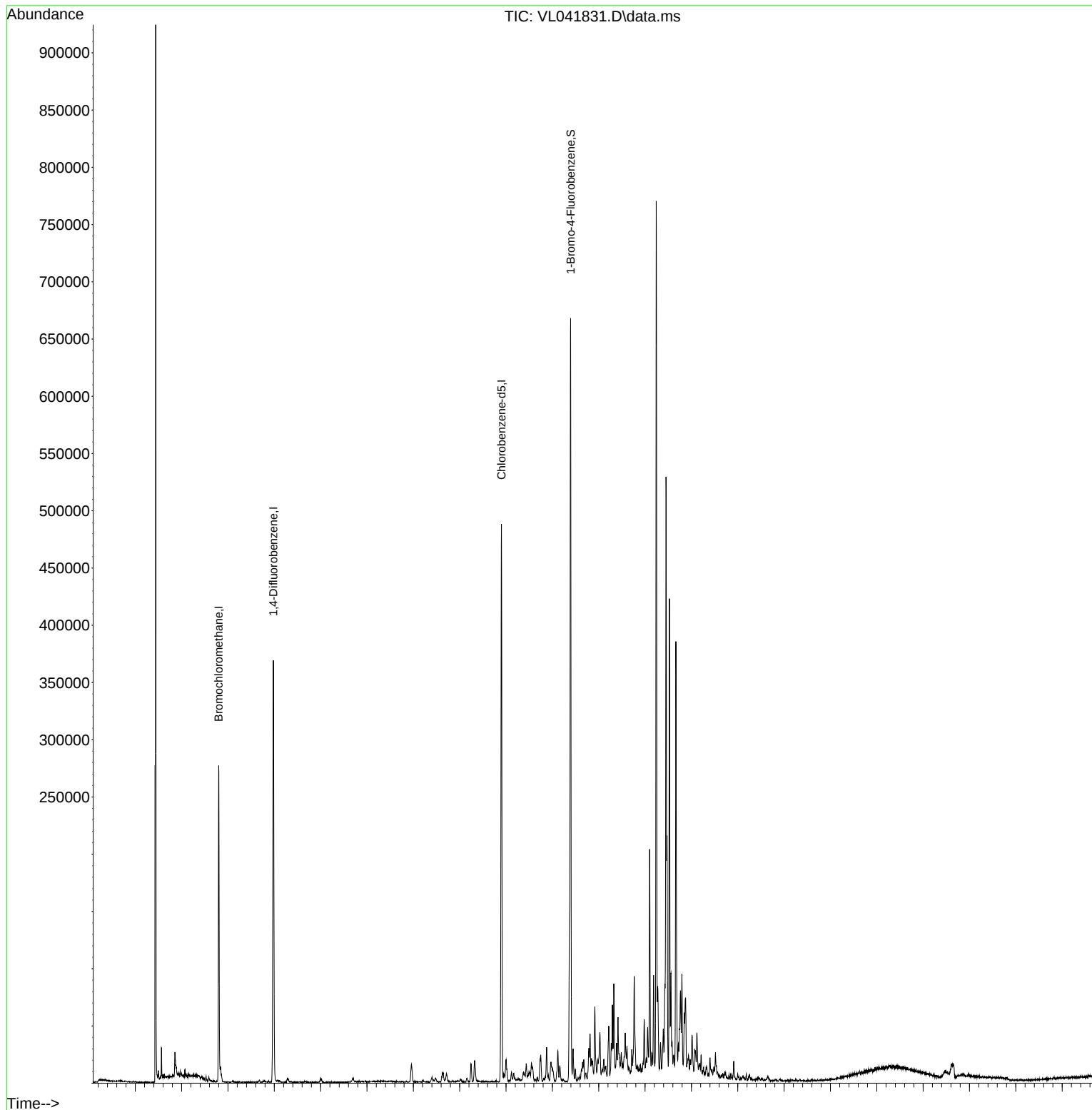
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010325\
Data File : VL041831.D
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Misc : 400mL/MSVOA_L
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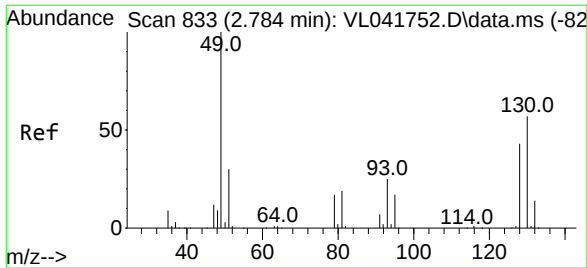
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Jan 03 17:13:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121624AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Thu Dec 19 07:32:09 2024
Response via : Initial Calibration

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Supervised By : Mahesh Dadoda 01/06/2025





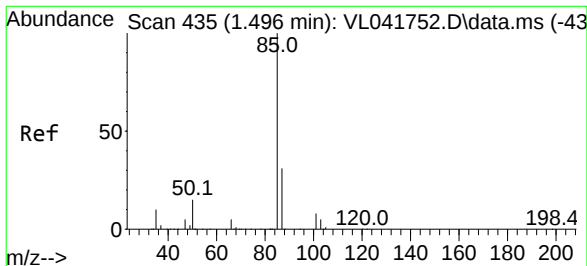
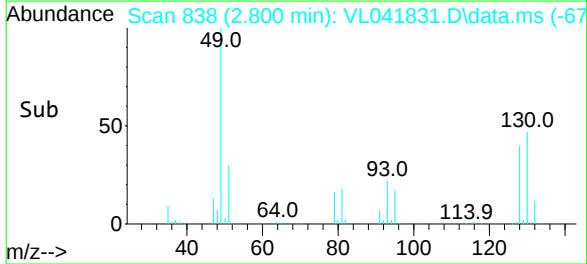
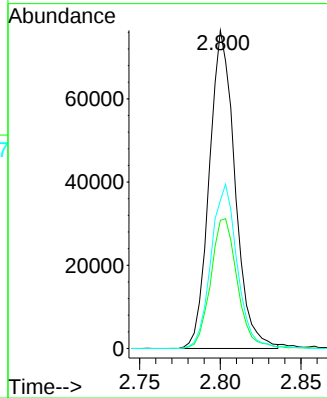
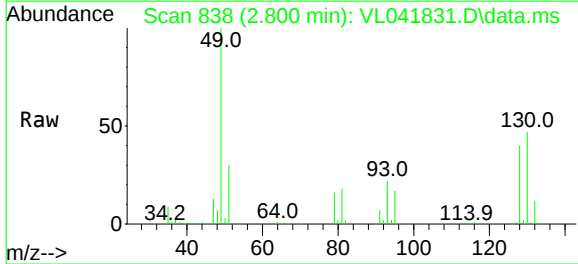
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 833
Delta R.T. 0.016 min
Lab File: VL041831.D
Acq: 03 Jan 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion	Ratio	Lower	Upper
49	100		
128	42.3	21.6	64.6
130	52.6	28.3	85.0

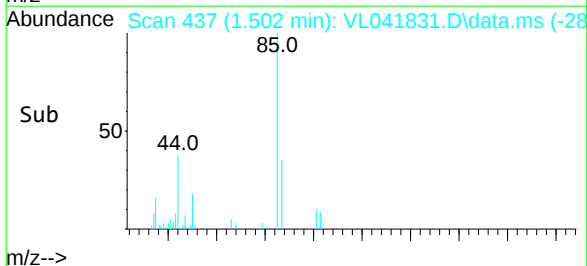
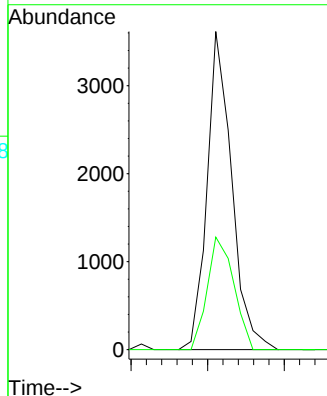
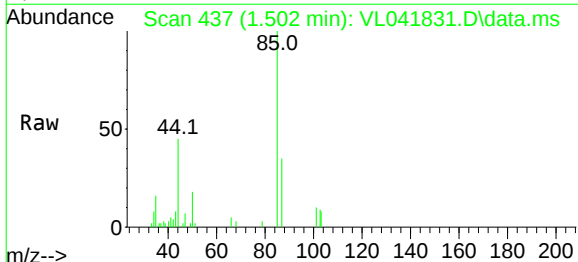
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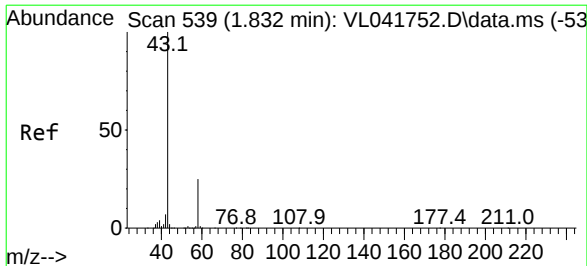
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#2
Dichlorodifluoromethane
Concen: 0.107 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL041831.D
Acq: 03 Jan 2025 16:50

Tgt Ion	Ratio	Lower	Upper
85	100		
87	35.4	24.5	36.7





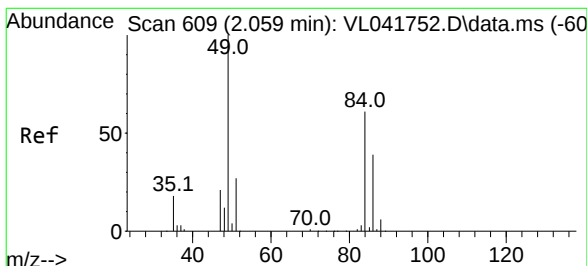
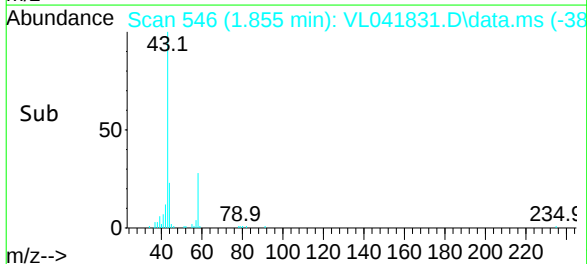
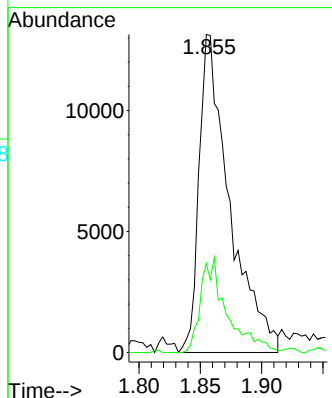
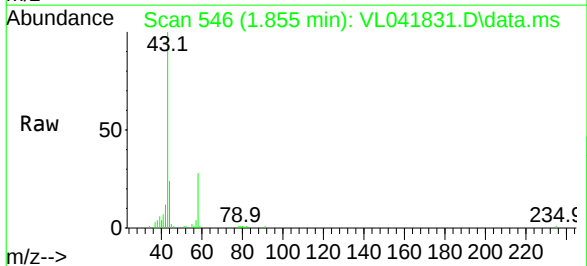
#15
Acetone
Concen: 1.381 ppbv
RT: 1.855 min Scan# 541
Delta R.T. 0.022 min
Lab File: VL041831.D
Acq: 03 Jan 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 43 Resp: 22759
Ion Ratio Lower Upper
43 100
58 26.5 19.7 29.5

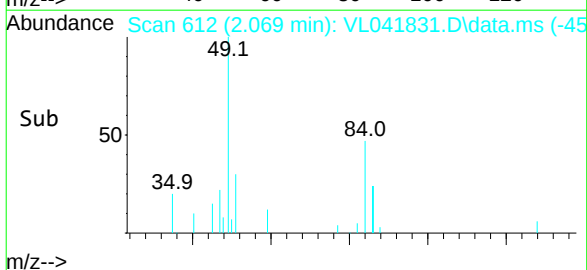
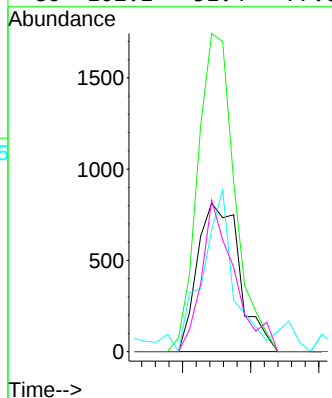
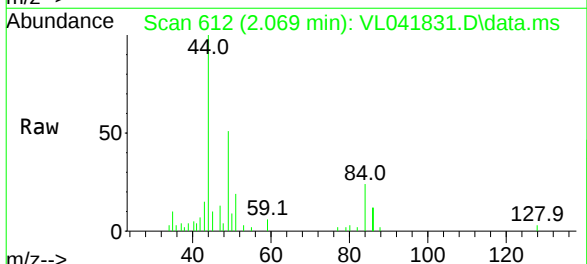
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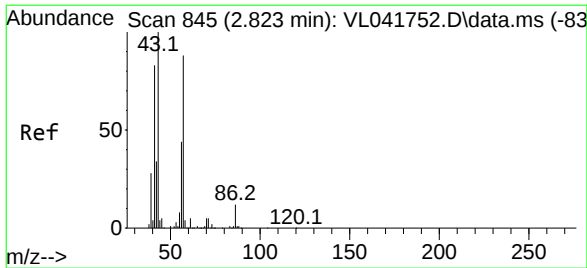
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#20
Methylene Chloride
Concen: 0.150 ppbv
RT: 2.069 min Scan# 612
Delta R.T. 0.009 min
Lab File: VL041831.D
Acq: 03 Jan 2025 16:50

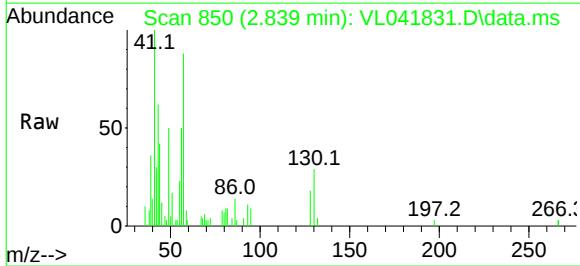
Tgt Ion: 84 Resp: 703
Ion Ratio Lower Upper
84 100
49 214.4 132.6 198.8#
51 82.0 37.6 56.4#
86 102.1 51.4 77.0#





#26
Hexane
Concen: 0.151 ppbv
RT: 2.839 min Scan# 85
Delta R.T. 0.016 min
Lab File: VL041831.D
Acq: 03 Jan 2025 16:50

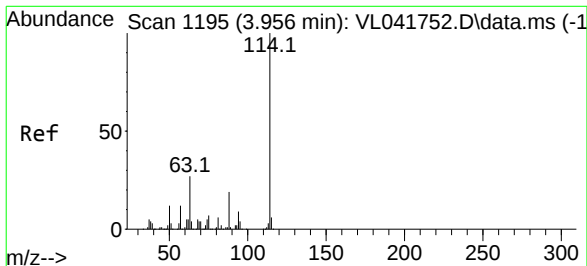
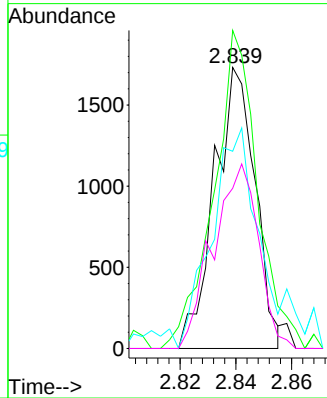
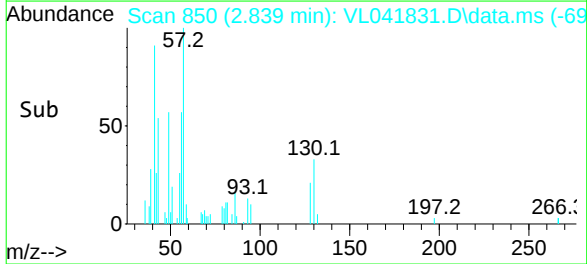
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion	Ratio	Lower	Upper
57	100		
41	127.6	79.6	119.4#
43	109.6	211.0	316.6#
56	73.1	42.6	63.8#

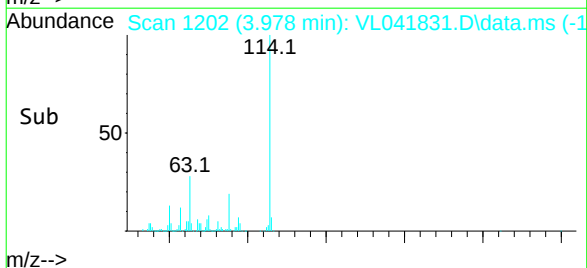
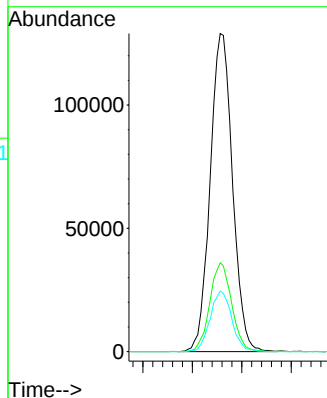
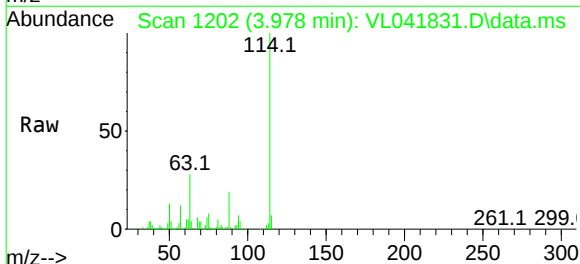
Manual Integrations
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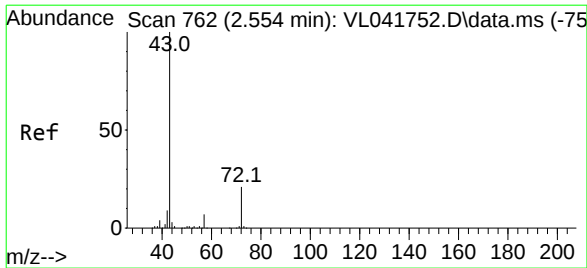
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 3.978 min Scan# 1202
Delta R.T. 0.022 min
Lab File: VL041831.D
Acq: 03 Jan 2025 16:50

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.4	21.8	32.8
88	18.4	14.8	22.2





#34

2-Butanone

Concen: 0.186 ppbv m

RT: 2.590 min Scan# 77

Delta R.T. 0.035 min

Lab File: VL041831.D

Acq: 03 Jan 2025 16:50

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 43 Resp: 3027

Ion Ratio Lower Upper

43 100

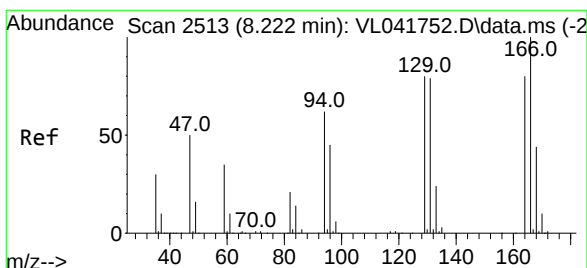
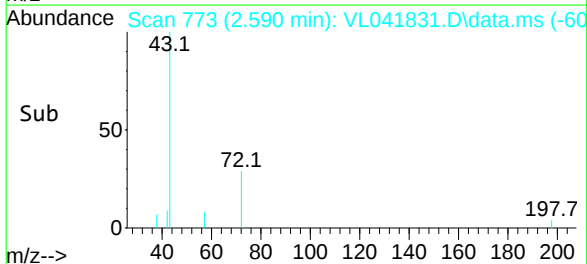
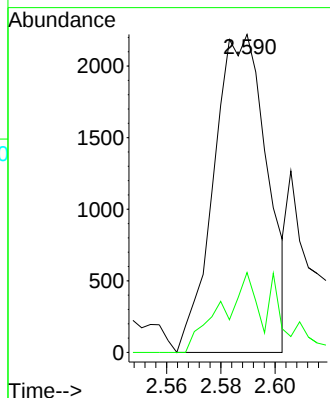
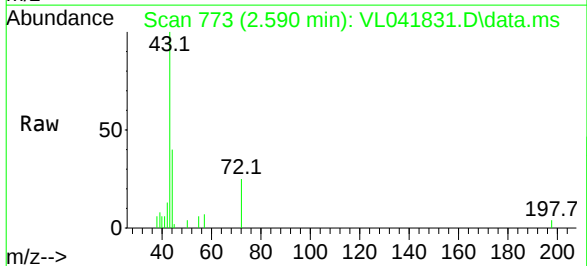
72 0.0 16.8 25.2#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/06/2025

Supervised By :Mahesh Dadoda 01/06/2025



#52

Tetrachloroethene

Concen: 0.311 ppbv m

RT: 8.244 min Scan# 2520

Delta R.T. 0.022 min

Lab File: VL041831.D

Acq: 03 Jan 2025 16:50

Tgt Ion:164 Resp: 2424

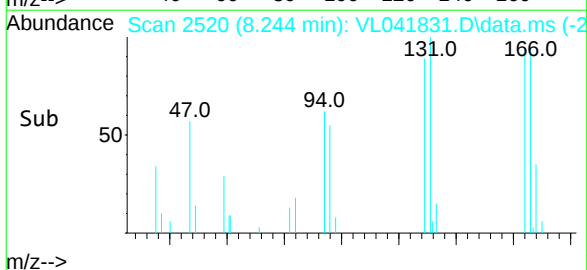
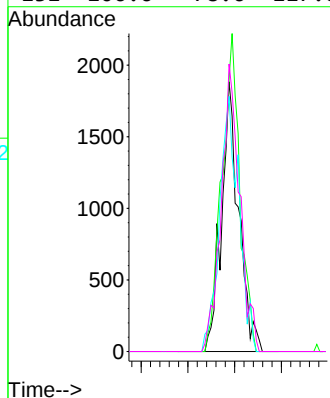
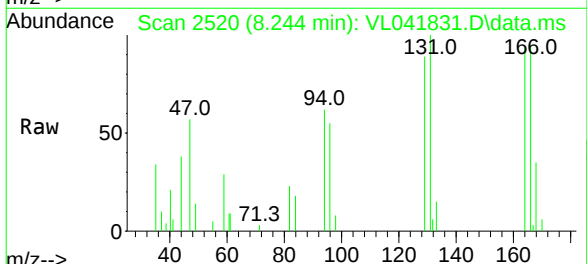
Ion Ratio Lower Upper

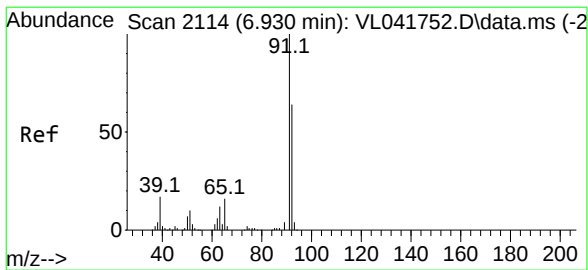
164 100

166 100.9 99.8 149.6

129 94.6 79.6 119.4

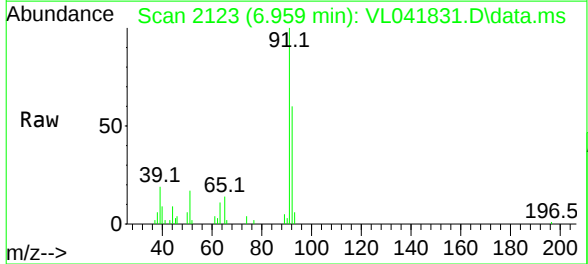
131 106.6 78.6 117.8





#53
Toluene
Concen: 0.468 ppbv m
RT: 6.959 min Scan# 2113
Delta R.T. 0.029 min
Lab File: VL041831.D
Acq: 03 Jan 2025 16:50

Instrument :
MSVOA_L
ClientSampleId :
SV2

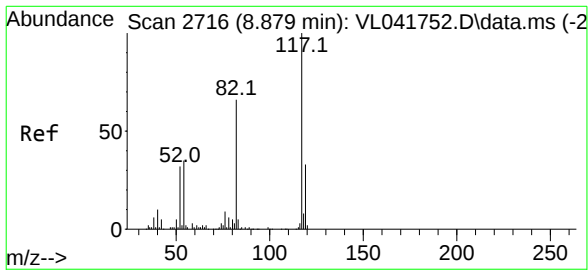
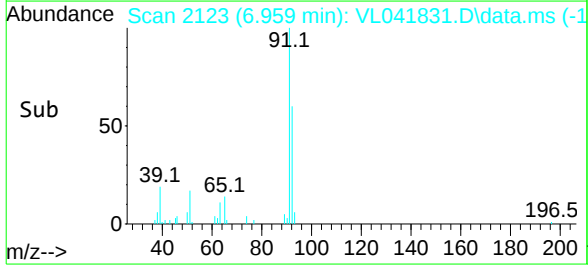
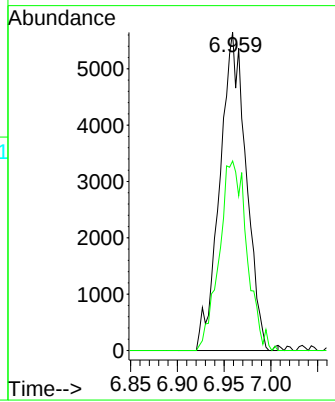


Tgt Ion: 91 Resp: 11103

Ion	Ratio	Lower	Upper
91	100		
92	62.2	47.9	71.9

Manual Integrations
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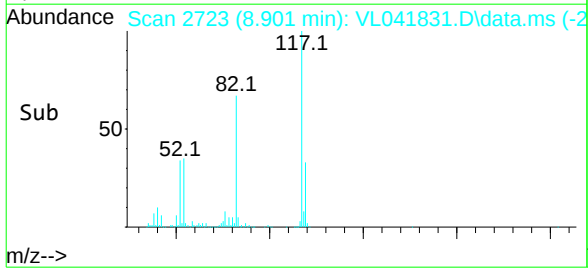
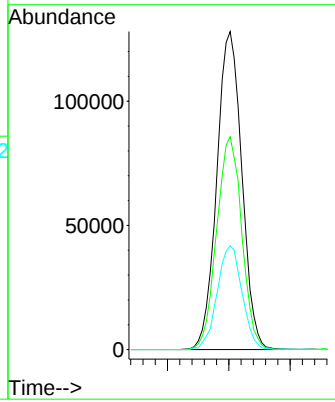
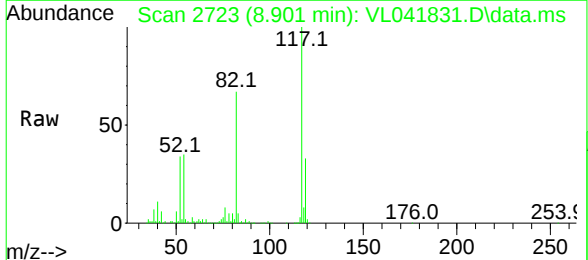
Reviewed By :Semsettin Yesilyurt 01/06/2025
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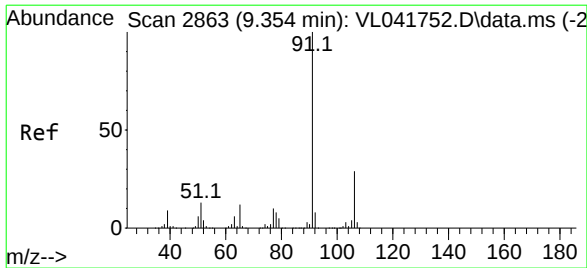


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.901 min Scan# 2723
Delta R.T. 0.022 min
Lab File: VL041831.D
Acq: 03 Jan 2025 16:50

Tgt Ion:117 Resp: 181750

Ion	Ratio	Lower	Upper
117	100		
82	67.1	53.8	80.8
119	32.5	26.7	40.1





#58

Ethyl Benzene

Concen: 0.085 ppbv

RT: 9.377 min Scan# 2863

Delta R.T. 0.022 min

Lab File: VL041831.D

Acq: 03 Jan 2025 16:50

Instrument :

MSVOA_L

ClientSampleId :

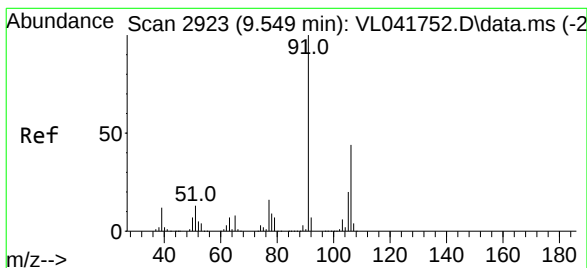
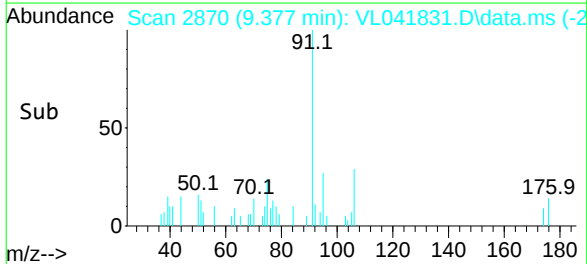
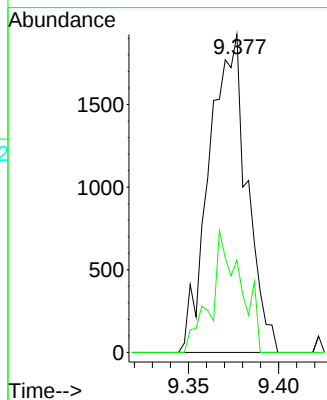
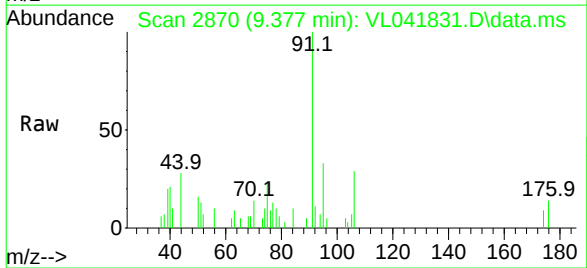
SV2

Tgt Ion: 91 Resp: 2793
 Ion Ratio Lower Upper
 91 100
 106 29.1 23.5 35.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/06/2025
 Supervised By :Mahesh Dadoda 01/06/2025



#59

m/p-Xylene

Concen: 0.305 ppbv

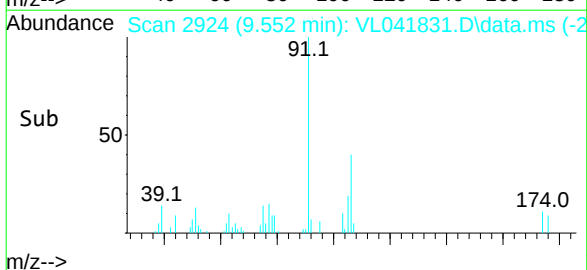
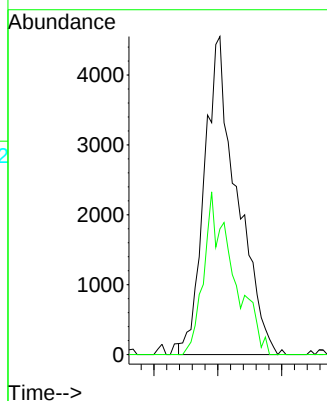
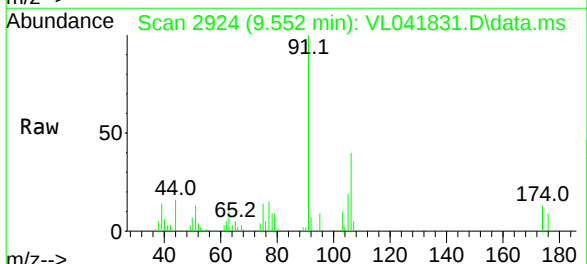
RT: 9.552 min Scan# 2924

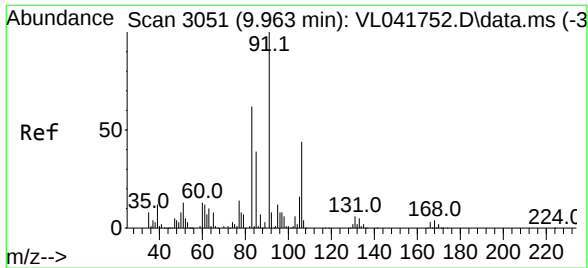
Delta R.T. 0.003 min

Lab File: VL041831.D

Acq: 03 Jan 2025 16:50

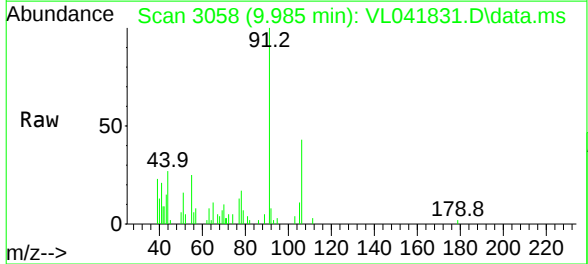
Tgt Ion: 91 Resp: 8030
 Ion Ratio Lower Upper
 91 100
 106 46.6 0.0 0.0#





#60
o-Xylene
Concen: 0.150 ppbv m
RT: 9.985 min Scan# 3058
Delta R.T. 0.022 min
Lab File: VL041831.D
Acq: 03 Jan 2025 16:50

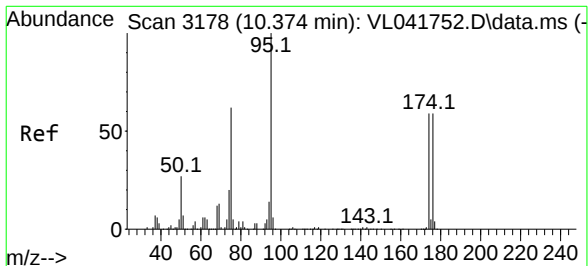
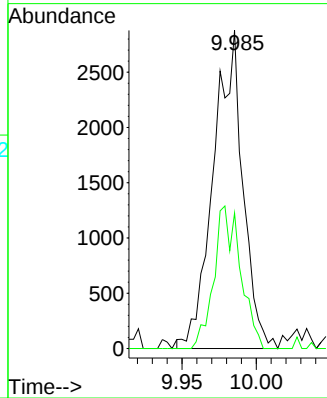
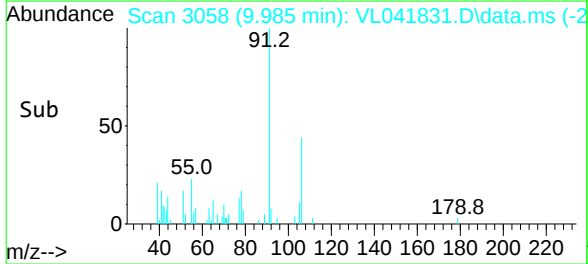
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 91 Resp: 3967
Ion Ratio Lower Upper
91 100
106 94.4 21.1 63.4

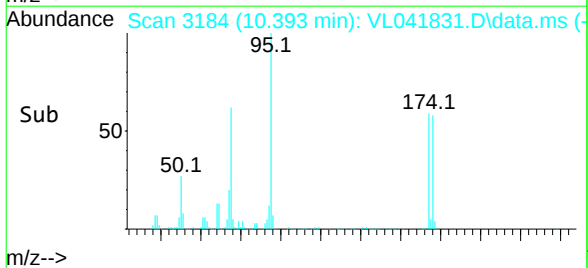
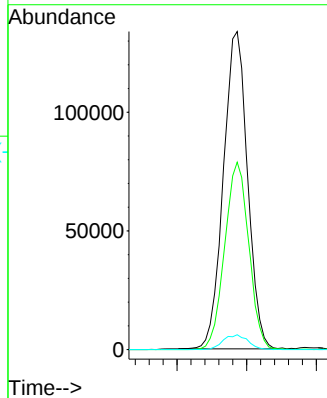
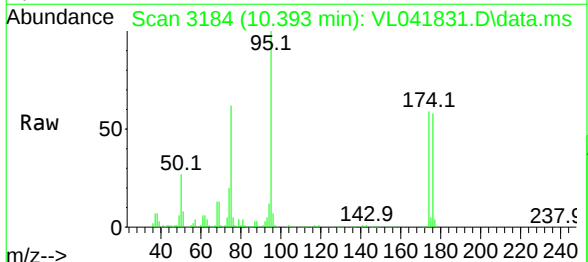
Manual Integrations
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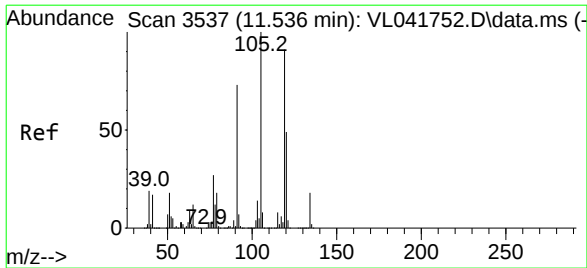
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.618 ppbv
RT: 10.393 min Scan# 3184
Delta R.T. 0.019 min
Lab File: VL041831.D
Acq: 03 Jan 2025 16:50

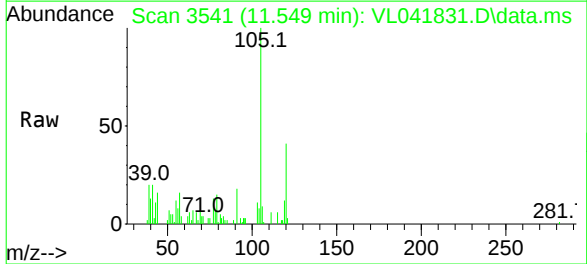
Tgt Ion: 95 Resp: 160817
Ion Ratio Lower Upper
95 100
174 59.1 47.6 71.4
175 4.8 3.7 5.5





#74
 1,2,4-Trimethylbenzene
 Concen: 0.202 ppbv m
 RT: 11.549 min Scan# 35
 Delta R.T. 0.013 min
 Lab File: VL041831.D
 Acq: 03 Jan 2025 16:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2



Tgt	Ion	105	Resp:	5601
Ion	Ratio	Lower	Upper	
105	100			
120	40.6	39.0	58.4	
91	18.1	58.1	87.1#	
77	12.9	21.8	32.8#	

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/06/2025
 Supervised By :Mahesh Dadoda 01/06/2025

