

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010325\
 Data File : VL041833.D
 Acq On : 03 Jan 2025 18:00
 Operator : SY/MD
 Sample : P5395-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2

Manual Integrations
 APPROVED

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

Quant Time: Jan 03 18:55:20 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	86367	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	3.978	114	211807	10.000	ppbv	0.02
55) Chlorobenzene-d5	8.901	117	179558	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	10.390	95	142391	9.516	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.200%
Target Compounds						
2) Dichlorodifluoromethane	1.502	85	4946	0.322	ppbv	95
3) Chlorodifluoromethane	1.479	51	4386m	0.311	ppbv	
4) Chloromethane	1.538	50	2875	0.478	ppbv	93
9) Propene	1.492	41	9596	1.572	ppbv	92
11) Trichlorofluoromethane	1.884	101	3123	0.191	ppbv	99
15) Acetone	1.858	43	149801	8.914	ppbv	97
20) Methylene Chloride	2.068	84	2150	0.449	ppbv #	89
26) Hexane	2.836	57	2132	0.180	ppbv #	66
29) Chloroform	2.861	83	5042	0.279	ppbv	91
36) Benzene	3.674	78	9722	0.444	ppbv	98
44) 2,2,4-Trimethylpentane	4.664	57	4889m	0.131	ppbv	
52) Tetrachloroethene	8.241	164	295m	0.036	ppbv	
53) Toluene	6.959	91	9344m	0.376	ppbv	
59) m/p-Xylene	9.552	91	4902m	0.189	ppbv	

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

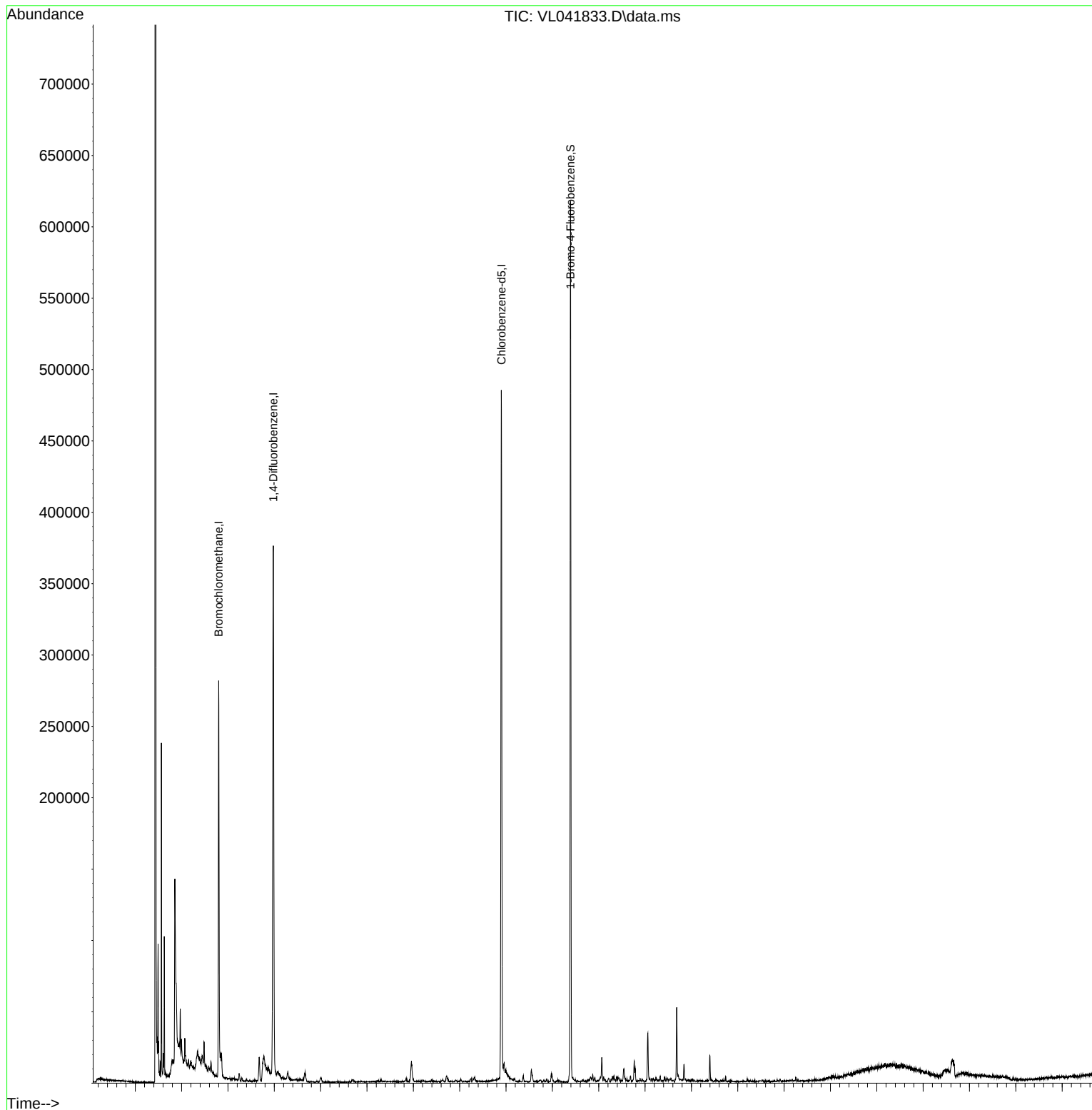
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL010325\
Data File : VL041833.D
Acq On : 03 Jan 2025 18:00
Operator : SY/MD
Sample : P5395-03
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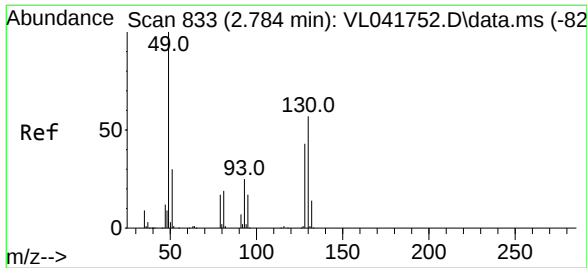
Instrument :
MSVOA_L
ClientSampleId :
IA2

Quant Time: Jan 03 18:55:20 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

Manual Integrations
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Supervised By : Mahesh Dadoda 01/06/2025





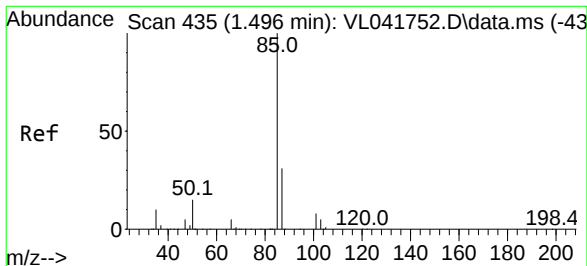
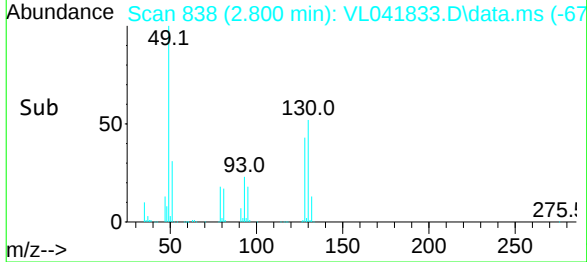
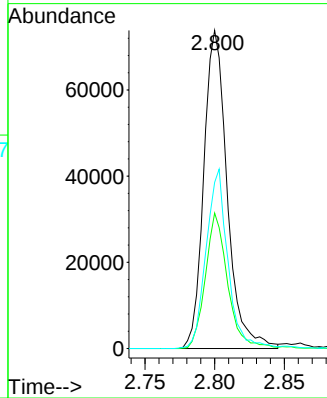
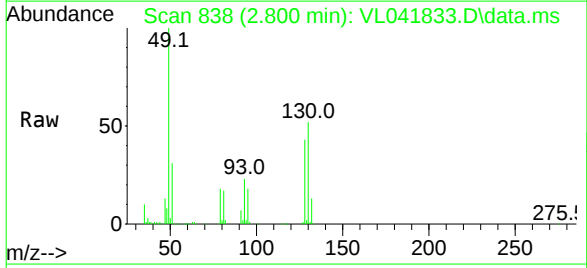
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.800 min Scan# 833
Delta R.T. 0.016 min
Lab File: VL041833.D
Acq: 03 Jan 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion	Ratio	Lower	Upper
49	100		
128	40.8	21.6	64.6
130	53.2	28.3	85.0

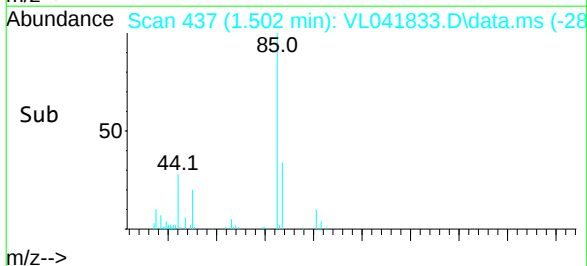
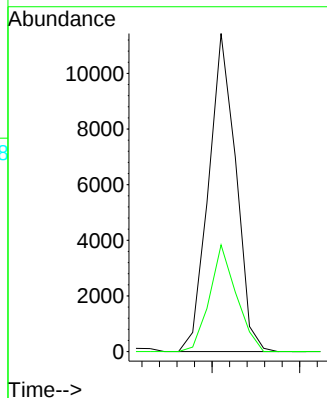
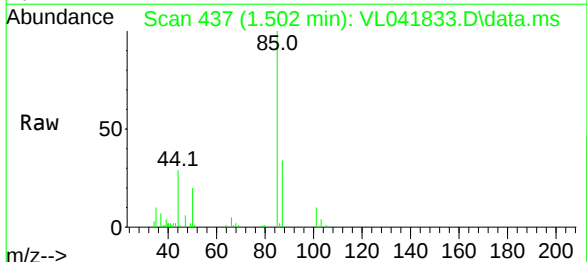
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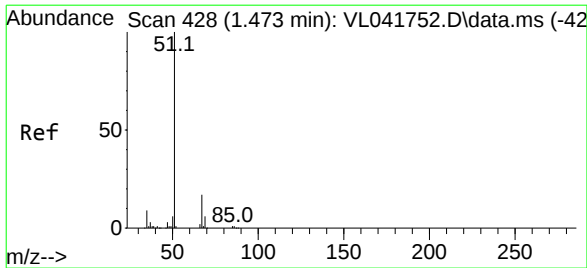
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#2
Dichlorodifluoromethane
Concen: 0.322 ppbv
RT: 1.502 min Scan# 437
Delta R.T. 0.006 min
Lab File: VL041833.D
Acq: 03 Jan 2025 18:00

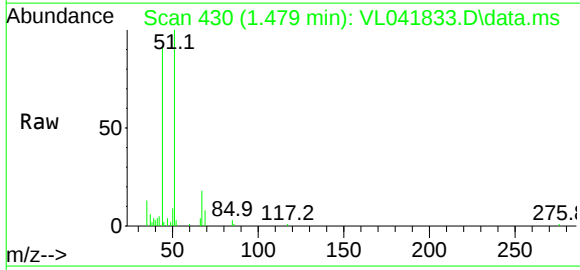
Tgt Ion	Ratio	Lower	Upper
85	100		
87	33.6	24.5	36.7





#3
Chlorodifluoromethane
Concen: 0.311 ppbv
RT: 1.479 min Scan# 431
Delta R.T. 0.006 min
Lab File: VL041833.D
Acq: 03 Jan 2025 18:00

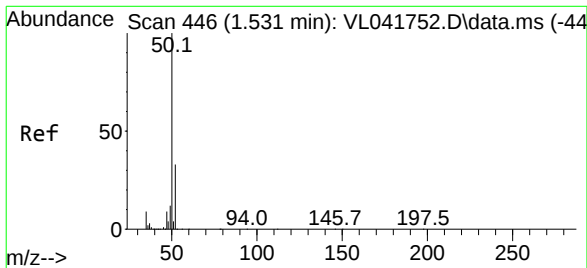
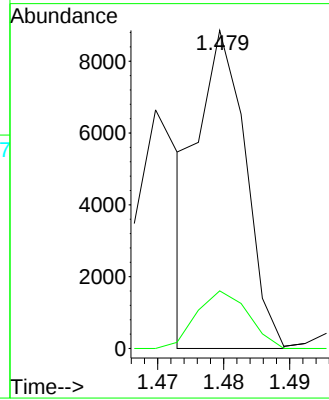
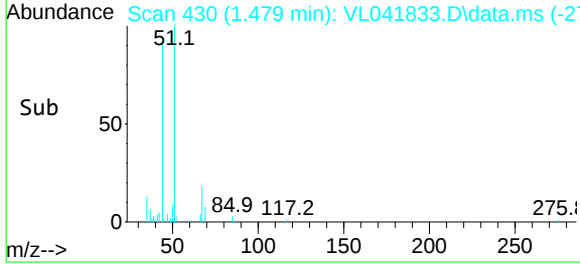
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 51 Resp: 4386
Ion Ratio Lower Upper
51 100
67 20.9 15.0 22.4

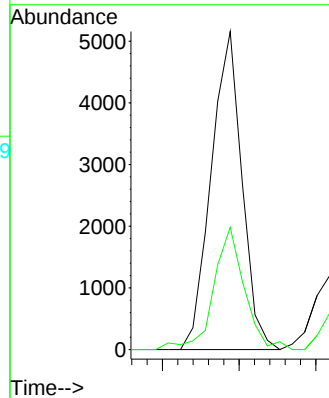
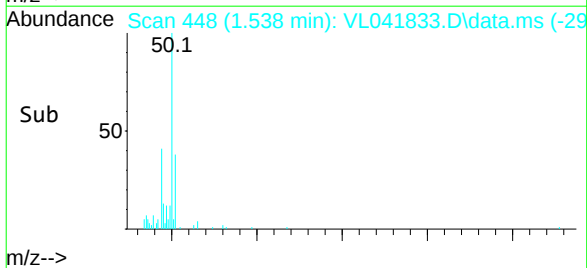
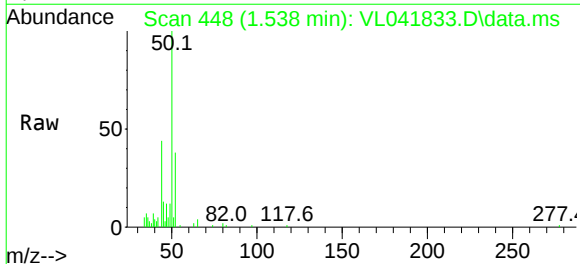
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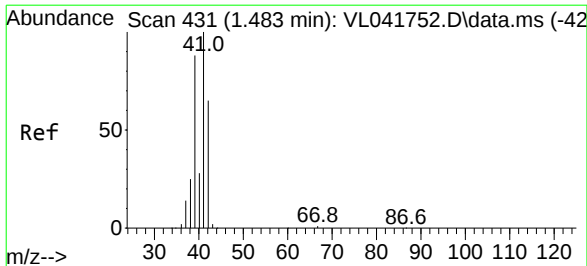
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#4
Chloromethane
Concen: 0.478 ppbv
RT: 1.538 min Scan# 448
Delta R.T. 0.006 min
Lab File: VL041833.D
Acq: 03 Jan 2025 18:00

Tgt Ion: 50 Resp: 2875
Ion Ratio Lower Upper
50 100
52 36.9 26.2 39.2





#9

Propene

Concen: 1.572 ppbv

RT: 1.492 min Scan# 431

Delta R.T. 0.009 min

Lab File: VL041833.D

Acq: 03 Jan 2025 18:00

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion: 41 Resp: 9596

Ion Ratio Lower Upper

41 100

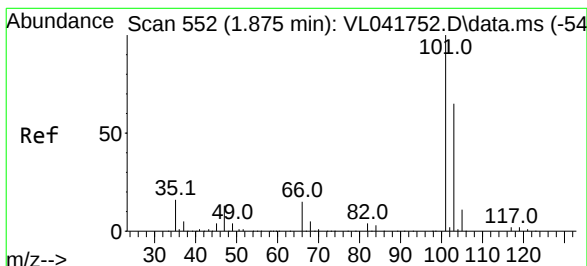
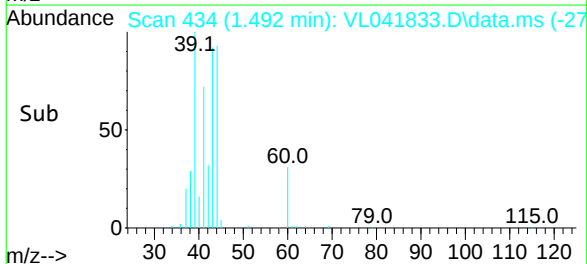
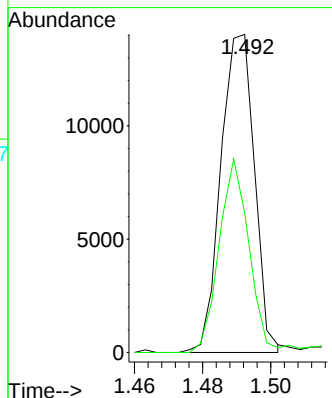
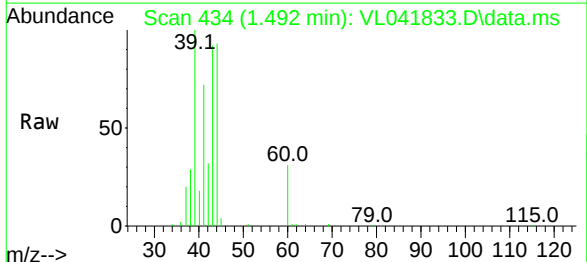
42 58.9 52.4 78.6

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/06/2025

Supervised By :Mahesh Dadoda 01/06/2025



#11

Trichlorofluoromethane

Concen: 0.191 ppbv

RT: 1.884 min Scan# 555

Delta R.T. 0.009 min

Lab File: VL041833.D

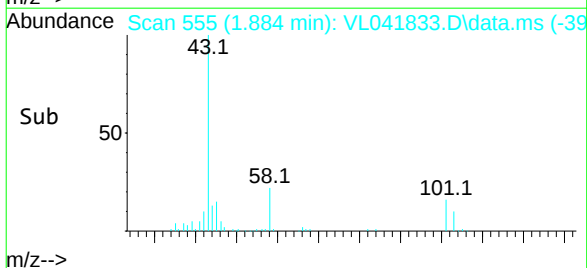
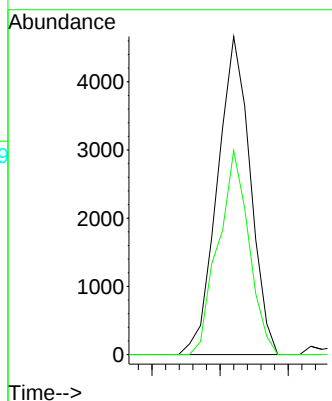
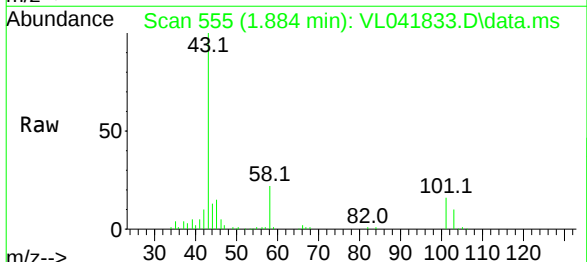
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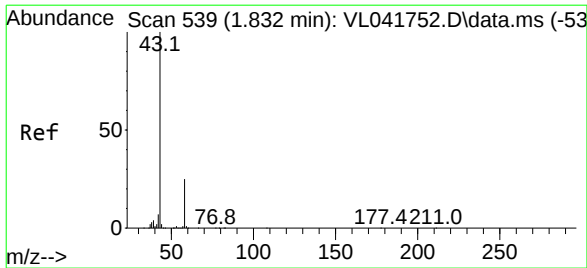
Tgt Ion:101 Resp: 3123

Ion Ratio Lower Upper

101 100

103 64.2 51.8 77.8





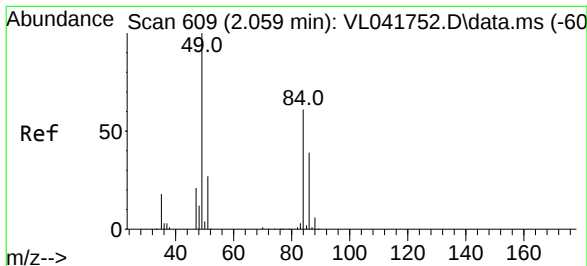
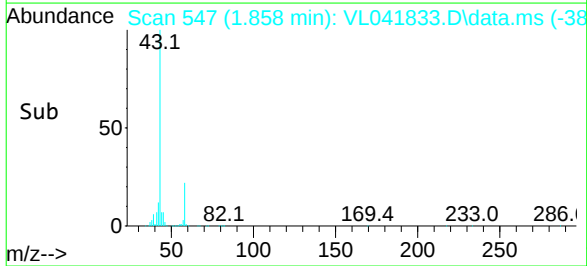
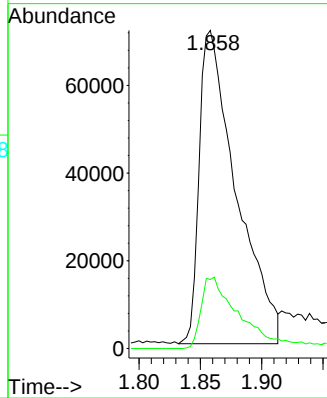
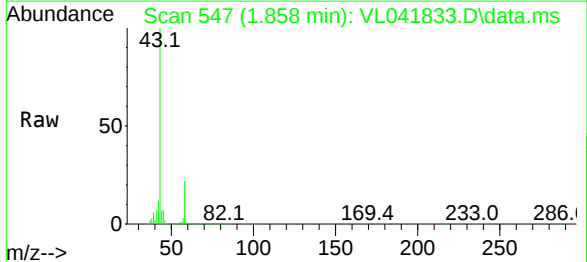
#15
Acetone
Concen: 8.914 ppbv
RT: 1.858 min Scan# 541
Delta R.T. 0.026 min
Lab File: VL041833.D
Acq: 03 Jan 2025 18:00

Instrument :
MSVOA_L
ClientSampleId :
IA2

Tgt Ion: 43 Resp: 149801
Ion Ratio Lower Upper
43 100
58 26.0 19.7 29.5

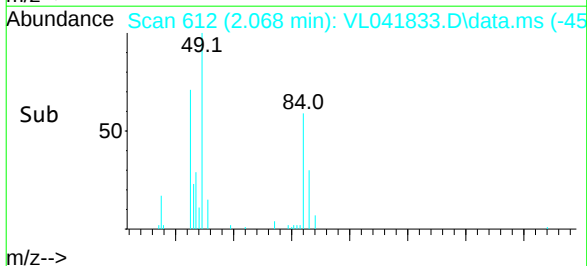
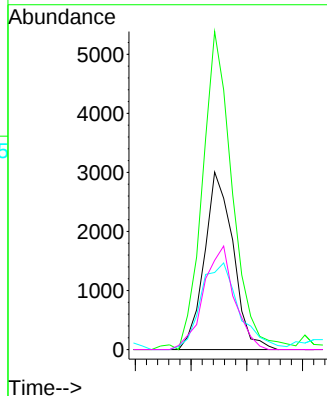
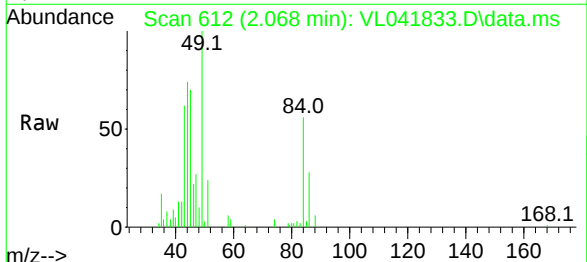
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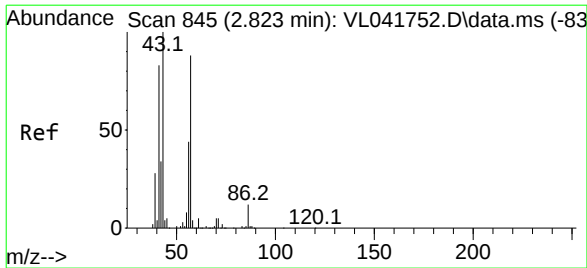
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#20
Methylene Chloride
Concen: 0.449 ppbv
RT: 2.068 min Scan# 612
Delta R.T. 0.009 min
Lab File: VL041833.D
Acq: 03 Jan 2025 18:00

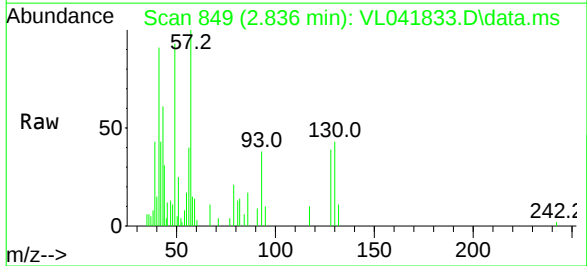
Tgt Ion: 84 Resp: 2150
Ion Ratio Lower Upper
84 100
49 179.2 132.6 198.8
51 41.6 37.6 56.4
86 50.3 51.4 77.0#





#26
Hexane
Concen: 0.180 ppbv
RT: 2.836 min Scan# 845
Delta R.T. 0.013 min
Lab File: VL041833.D
Acq: 03 Jan 2025 18:00

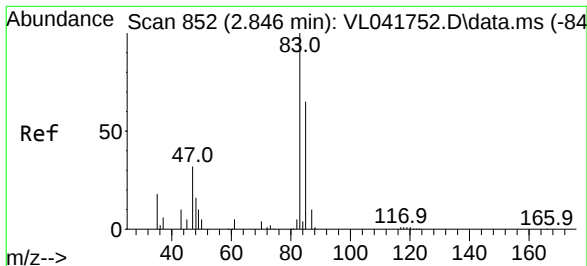
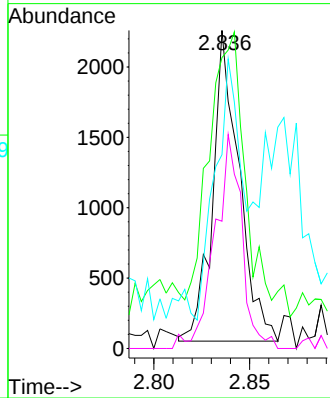
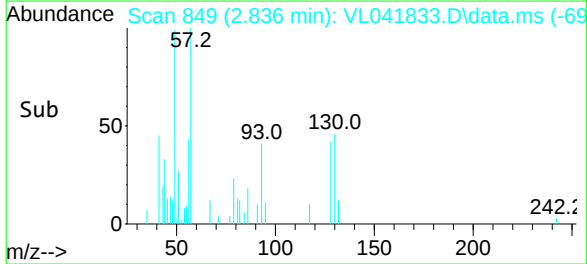
Instrument :
MSVOA_L
ClientSampleId :
IA2



Tgt Ion: 57 Resp: 2132
Ion Ratio Lower Upper
57 100
41 150.0 79.6 119.4#
43 209.9 211.0 316.6#
56 69.6 42.6 63.8#

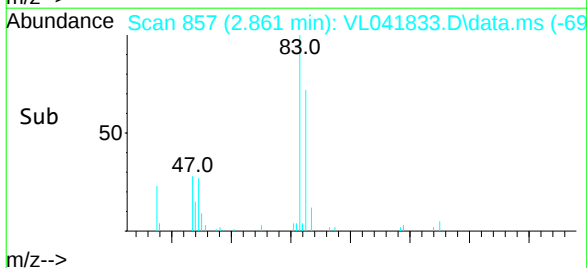
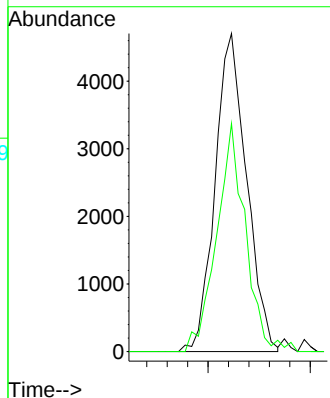
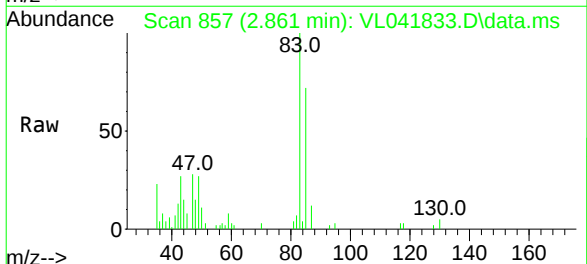
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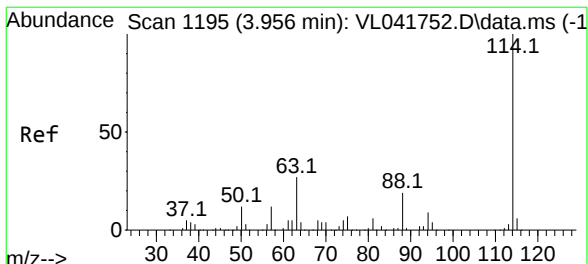
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025



#29
Chloroform
Concen: 0.279 ppbv
RT: 2.861 min Scan# 857
Delta R.T. 0.016 min
Lab File: VL041833.D
Acq: 03 Jan 2025 18:00

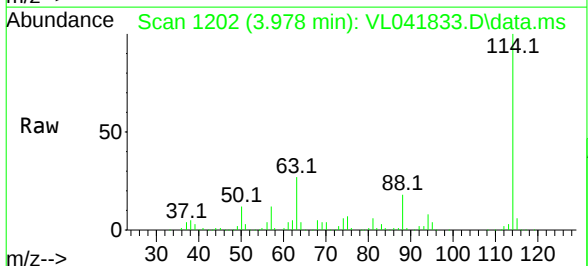
Tgt Ion: 83 Resp: 5042
Ion Ratio Lower Upper
83 100
85 71.7 51.8 77.6





#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 3.978 min Scan# 1202
 Delta R.T. 0.022 min
 Lab File: VL041833.D
 Acq: 03 Jan 2025 18:00

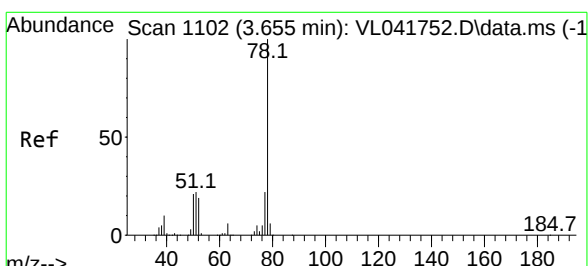
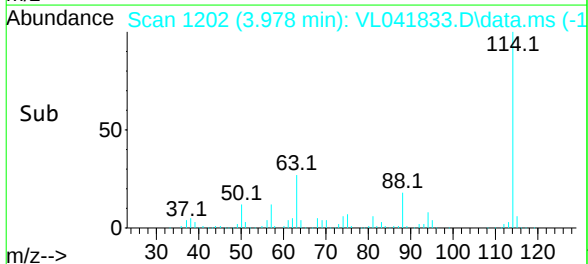
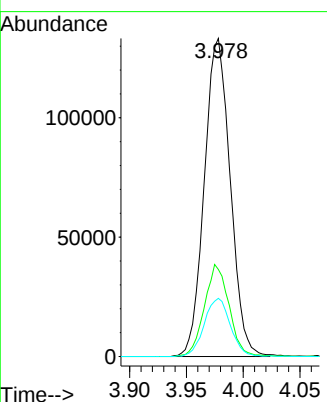
Instrument : MSVOA_L
 ClientSampleId : IA2



Tgt Ion:	114	Resp:	211807
Ion	Ratio	Lower	Upper
114	100		
63	27.5	21.8	32.8
88	18.4	14.8	22.2

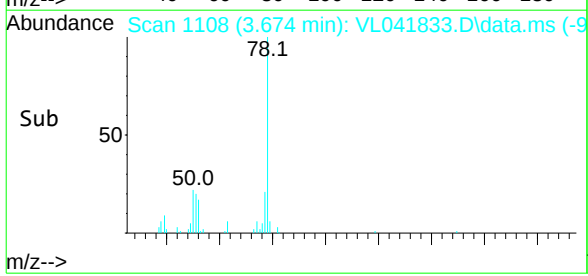
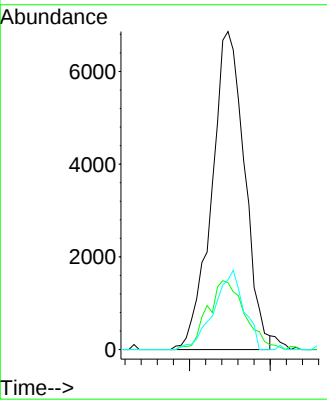
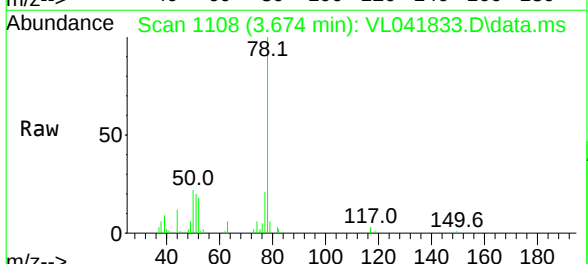
Manual Integrations
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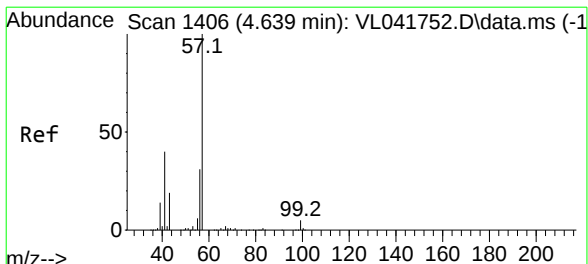
Reviewed By :Semsettin Yesilyurt 01/06/2025
 Supervised By :Mahesh Dadoda 01/06/2025



#36
 Benzene
 Concen: 0.444 ppbv
 RT: 3.674 min Scan# 1108
 Delta R.T. 0.019 min
 Lab File: VL041833.D
 Acq: 03 Jan 2025 18:00

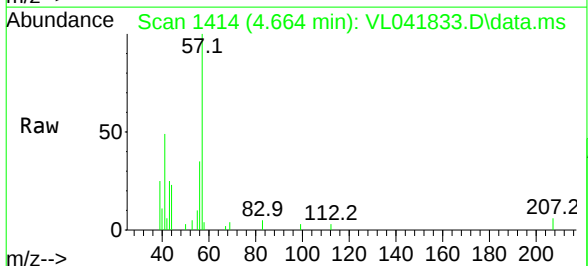
Tgt Ion:	78	Resp:	9722
Ion	Ratio	Lower	Upper
78	100		
77	21.1	17.8	26.6
50	21.9	17.2	25.8





#44
2,2,4-Trimethylpentane
Concen: 0.131 ppbv m
RT: 4.664 min Scan# 1414
Delta R.T. 0.026 min
Lab File: VL041833.D
Acq: 03 Jan 2025 18:00

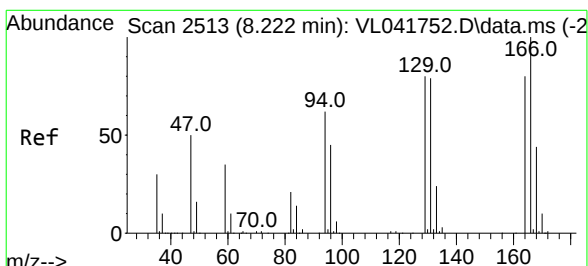
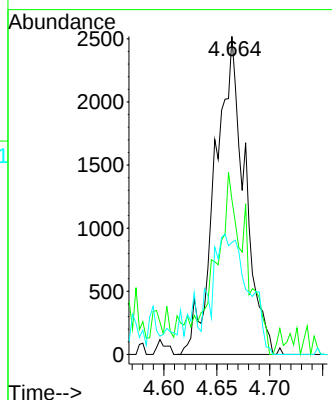
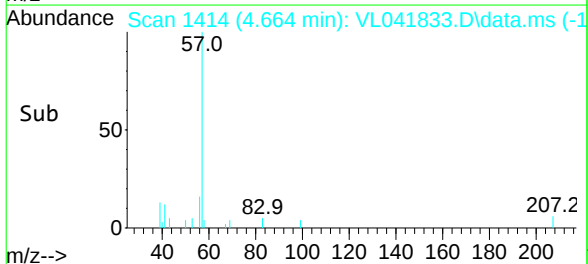
Instrument : MSVOA_L
ClientSampleId : IA2



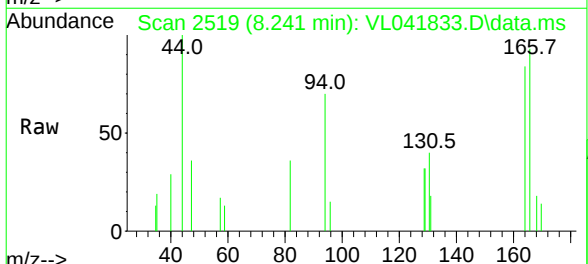
Tgt Ion:	57	Resp:	4889
Ion	Ratio	Lower	Upper
57	100		
41	54.0	30.7	46.1
56	52.1	25.4	38.0

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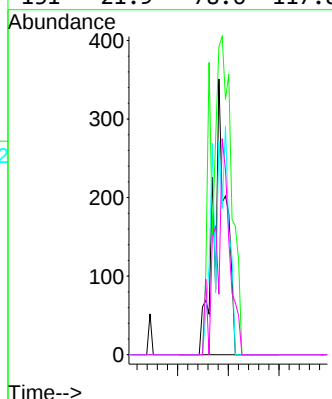
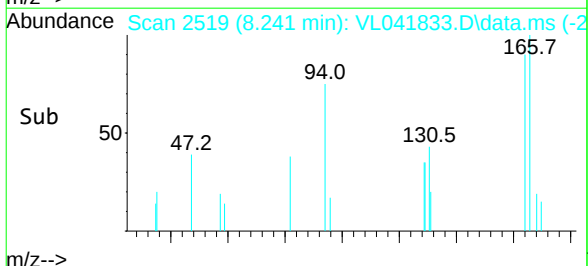
Reviewed By :Semsettin Yesilyurt 01/06/2025
Supervised By :Mahesh Dadoda 01/06/2025

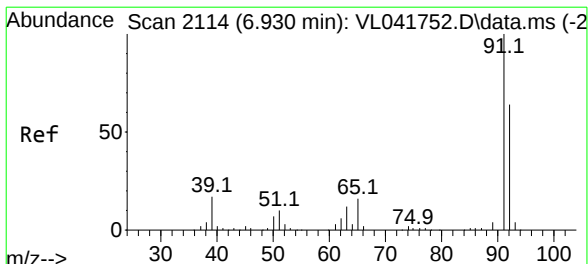


#52
Tetrachloroethene
Concen: 0.036 ppbv m
RT: 8.241 min Scan# 2519
Delta R.T. 0.019 min
Lab File: VL041833.D
Acq: 03 Jan 2025 18:00



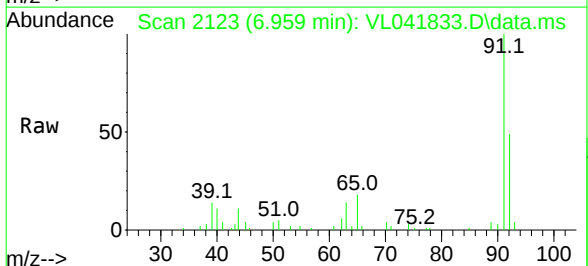
Tgt Ion:	164	Resp:	295
Ion	Ratio	Lower	Upper
164	100		
166	111.7	99.8	149.6
129	38.7	79.6	119.4
131	21.9	78.6	117.8





#53
 Toluene
 Concen: 0.376 ppbv m
 RT: 6.959 min Scan# 2114
 Delta R.T. 0.029 min
 Lab File: VL041833.D
 Acq: 03 Jan 2025 18:00

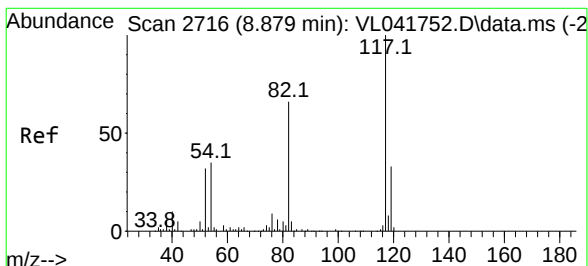
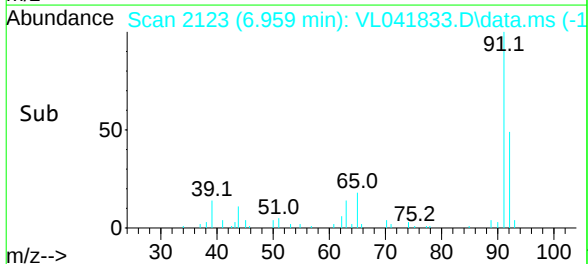
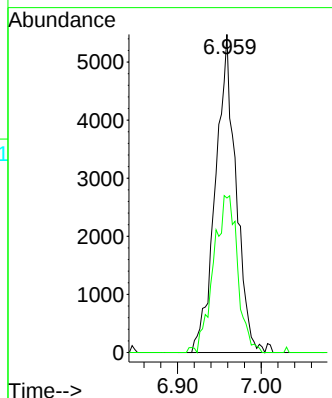
Instrument : MSVOA_L
 ClientSampleId : IA2



Tgt Ion:	91	Resp:	9344
Ion	Ratio	Lower	Upper
91	100		
92	57.6	47.9	71.9

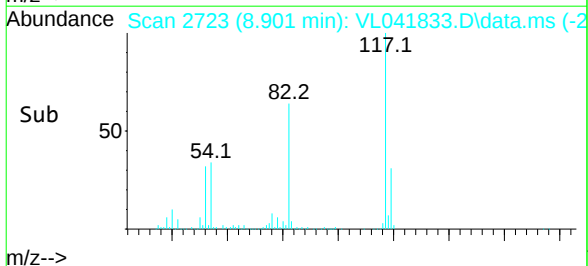
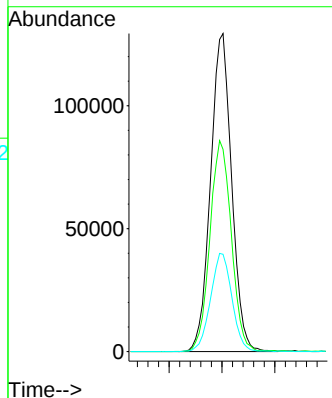
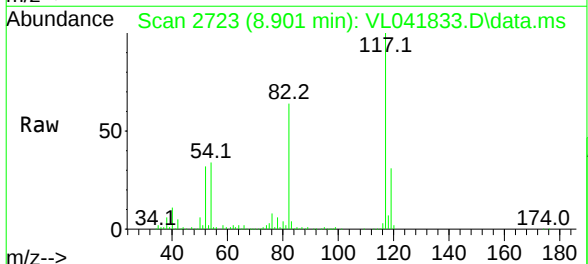
Manual Integrations
 APPROVED

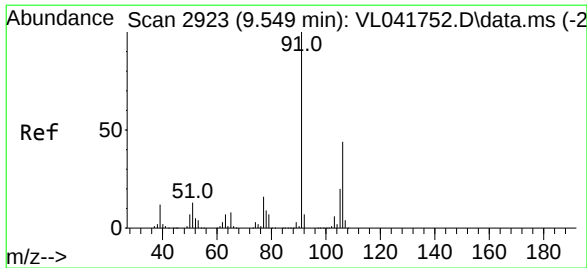
Reviewed By :Semsettin Yesilyurt 01/06/2025
 Supervised By :Mahesh Dadoda 01/06/2025



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 8.901 min Scan# 2723
 Delta R.T. 0.022 min
 Lab File: VL041833.D
 Acq: 03 Jan 2025 18:00

Tgt Ion:	117	Resp:	179558
Ion	Ratio	Lower	Upper
117	100		
82	67.5	53.8	80.8
119	31.4	26.7	40.1





#59

m/p-Xylene

Concen: 0.189 ppbv m

RT: 9.552 min Scan# 29

Delta R.T. 0.003 min

Lab File: VL041833.D

Acq: 03 Jan 2025 18:00

Instrument :

MSVOA_L

ClientSampleId :

IA2

Tgt Ion: 91 Resp: 4902

Ion Ratio Lower Upper

91 100

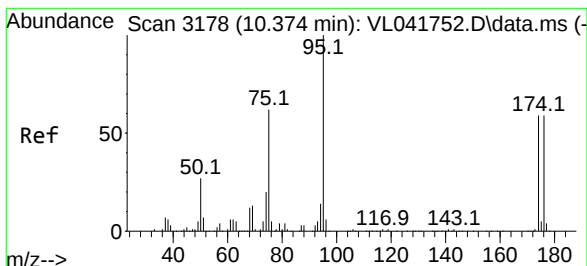
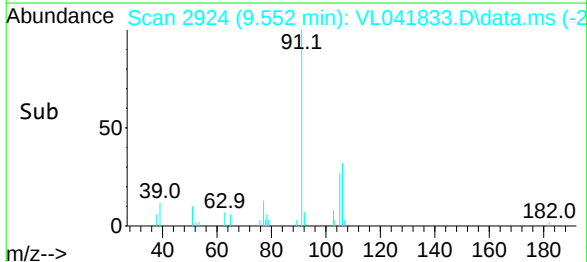
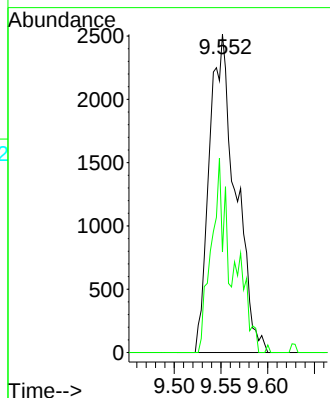
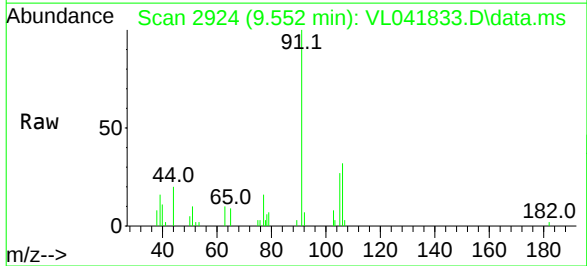
106 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/06/2025

Supervised By :Mahesh Dadoda 01/06/2025



#68

1-Bromo-4-Fluorobenzene

Concen: 9.516 ppbv

RT: 10.390 min Scan# 3183

Delta R.T. 0.016 min

Lab File: VL041833.D

Acq: 03 Jan 2025 18:00

Tgt Ion: 95 Resp: 142391

Ion Ratio Lower Upper

95 100

174 59.8 47.6 71.4

175 4.5 3.7 5.5

