

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
 Data File : VL041938.D
 Acq On : 21 Jan 2025 08:17
 Operator : SY/MD
 Sample : Q1090-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 01/21/2025
 Supervised By : Mahesh Dadoda 01/21/2025

Quant Time: Jan 21 08:39:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2
 QLast Update : Tue Jan 14 23:15:42 2025
 Response via : Initial Calibration

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

Internal Standards								
1) Bromochloromethane			2.774	49	137038	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene			3.939	114	372525	10.000	ppbv	-0.04
55) Chlorobenzene-d5			8.862	117	321641	10.000	ppbv	-0.03
System Monitoring Compounds								
68) 1-Bromo-4-Fluorobenzene			10.361	95	264679	10.448	ppbv	-0.03
Spiked Amount		10.000	Range 65 - 135		Recovery	= 104.500%		
Target Compounds								Qvalue
2) Dichlorodifluoromethane			1.492	85	7743	0.415	ppbv	98
3) Chlorodifluoromethane			1.470	51	6023m	0.308	ppbv	
4) Chloromethane			1.525	50	4010	0.571	ppbv	92
9) Propene			1.479	41	9704m	1.205	ppbv	
10) Heptane			4.959	43	9206m	0.428	ppbv	
11) Trichlorofluoromethane			1.868	101	4481	0.231	ppbv	93
13) Ethanol			1.712	45	137462	232.972	ppbv	85
15) Acetone			1.826	43	1549948	94.168	ppbv #	86
19) Isopropyl Alcohol			1.881	45	12657	1.297	ppbv #	32
20) Methylene Chloride			2.052	84	6722	1.033	ppbv #	84
26) Hexane			2.813	57	154330	8.792	ppbv #	35
30) Cyclohexane			3.839	84	2372m	0.156	ppbv	
34) 2-Butanone			2.551	43	43065	1.818	ppbv	98
35) Carbon Tetrachloride			3.742	117	1714m	0.073	ppbv	
36) Benzene			3.638	78	16394	0.480	ppbv	98
44) 2,2,4-Trimethylpentane			4.616	57	12166m	0.220	ppbv	
53) Toluene			6.907	91	298474	8.020	ppbv	99
58) Ethyl Benzene			9.335	91	14088	0.280	ppbv #	83
59) m/p-Xylene			9.516	91	43343	1.076	ppbv	93
60) o-Xylene			9.946	91	13644	0.341	ppbv	95
74) 1,2,4-Trimethylbenzene			11.526	105	9205	0.201	ppbv #	55

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

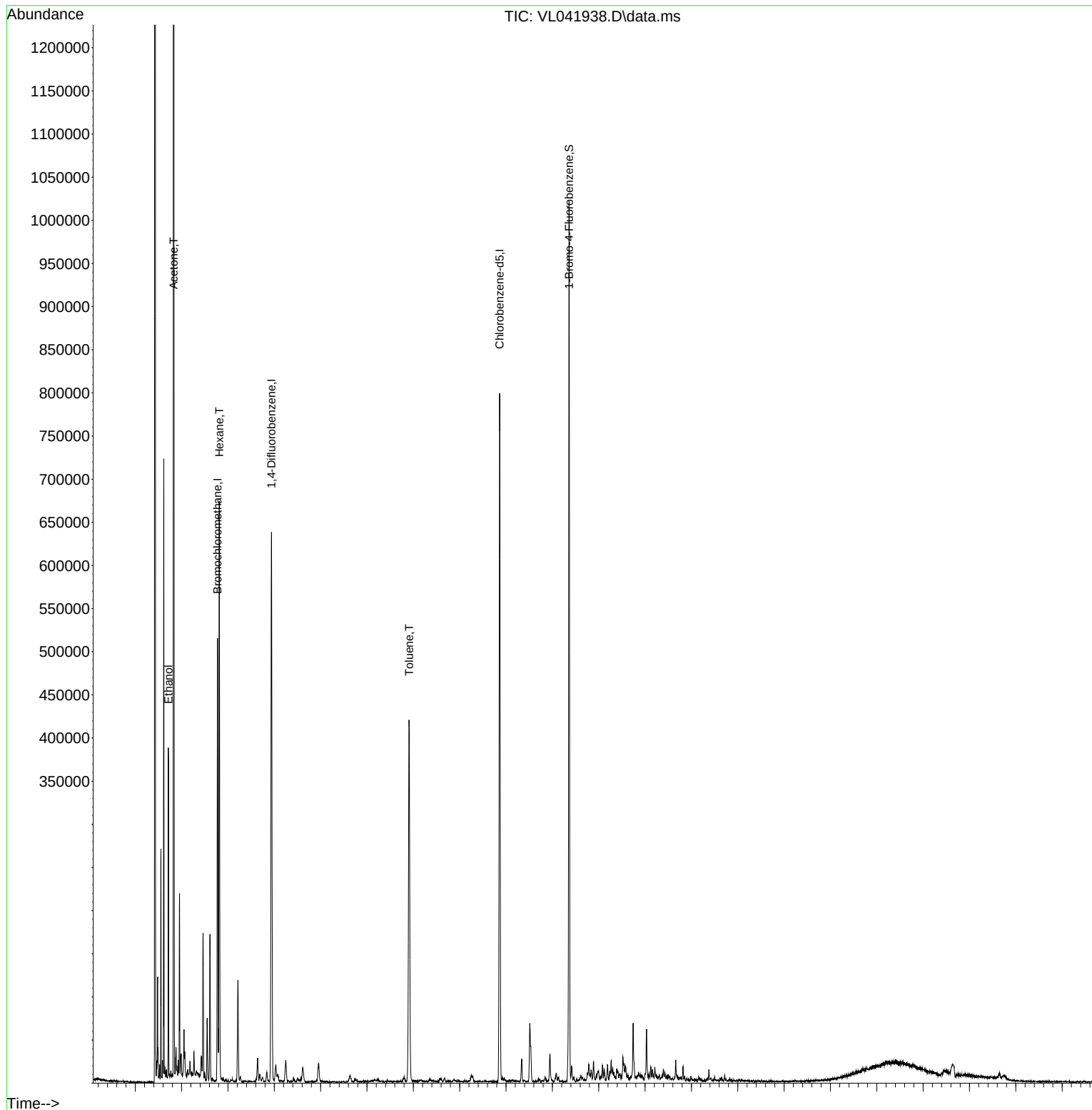
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL012025\
Data File : VL041938.D
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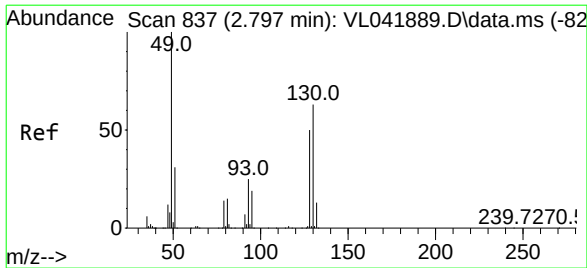
Instrument :
MSVOA_L
ClientSampleId :
IA1

Quant Time: Jan 21 08:39:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011425AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 14 23:15:42 2025
Response via : Initial Calibration

Manual Integrations
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Supervised By : Mahesh Dadoda 01/21/2025





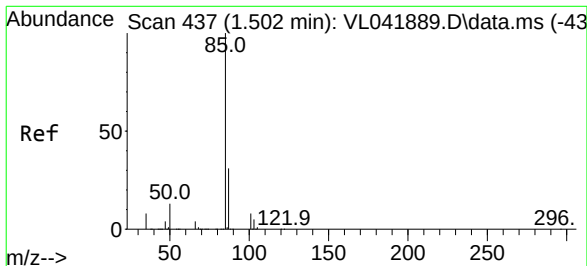
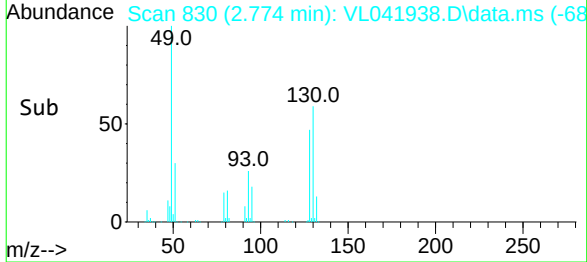
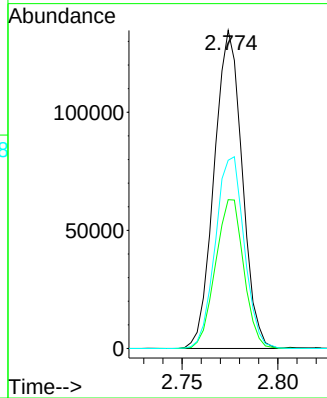
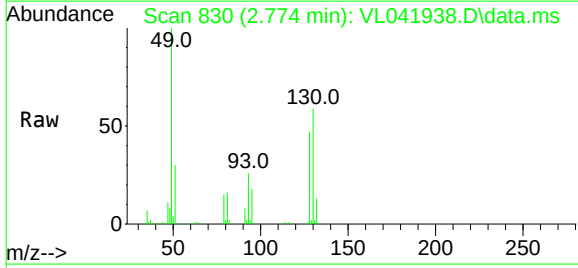
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 2.774 min Scan# 837
Delta R.T. -0.023 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 49 Resp: 137038
Ion Ratio Lower Upper
49 100
128 47.2 24.3 73.0
130 62.1 31.1 93.2

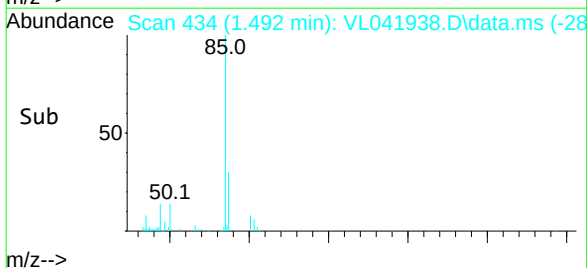
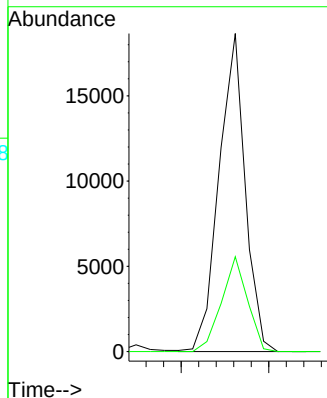
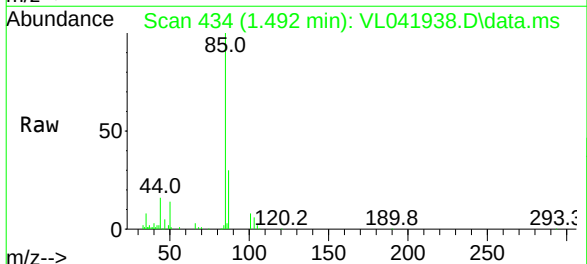
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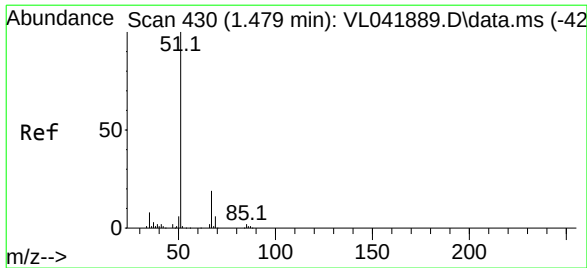
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#2
Dichlorodifluoromethane
Concen: 0.415 ppbv
RT: 1.492 min Scan# 434
Delta R.T. -0.010 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

Tgt Ion: 85 Resp: 7743
Ion Ratio Lower Upper
85 100
87 29.8 24.9 37.3





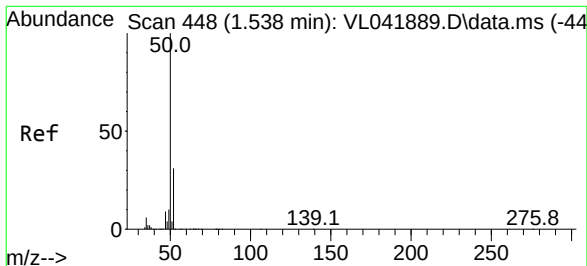
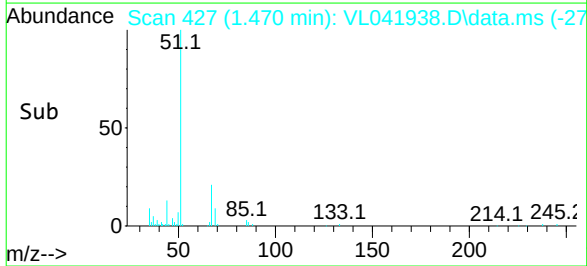
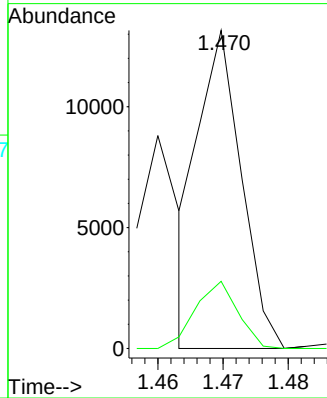
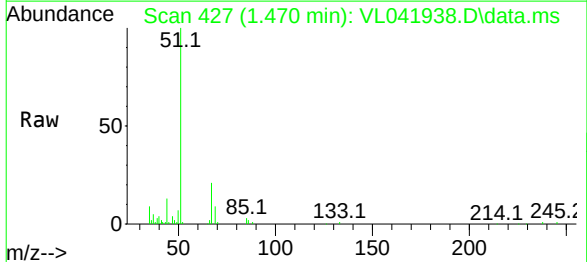
#3
Chlorodifluoromethane
Concen: 0.308 ppbv m
RT: 1.470 min Scan# 423
Delta R.T. -0.010 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 51 Resp: 6023
Ion Ratio Lower Upper
51 100
67 6.1 15.0 22.4#

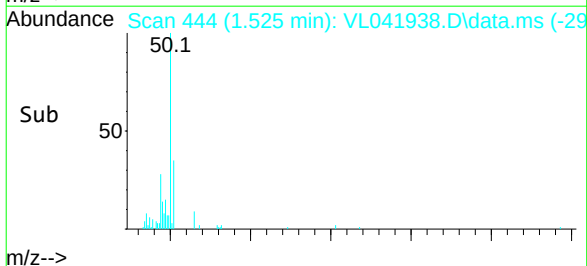
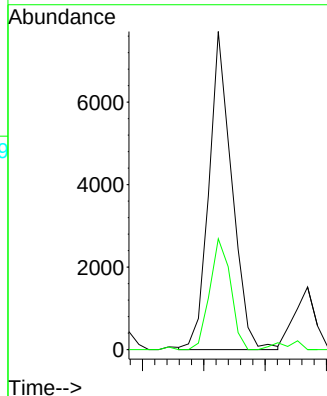
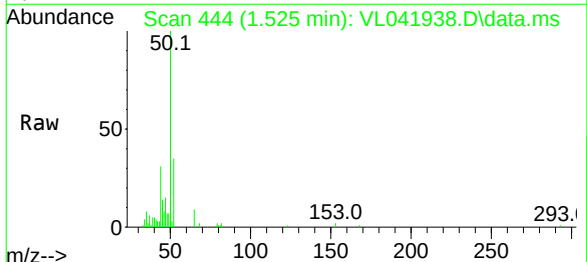
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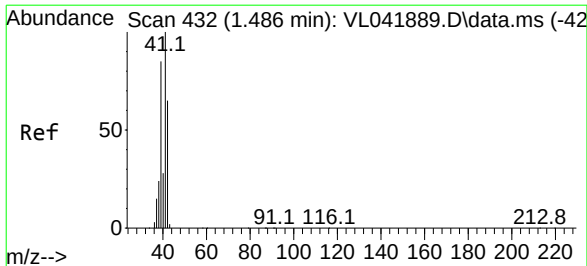
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#4
Chloromethane
Concen: 0.571 ppbv
RT: 1.525 min Scan# 444
Delta R.T. -0.013 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

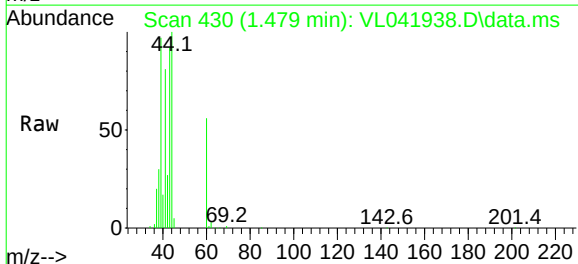
Tgt Ion: 50 Resp: 4010
Ion Ratio Lower Upper
50 100
52 35.1 24.6 36.8





#9
 Propene
 Concen: 1.205 ppbv m
 RT: 1.479 min Scan# 43
 Delta R.T. -0.006 min
 Lab File: VL041938.D
 Acq: 21 Jan 2025 08:17

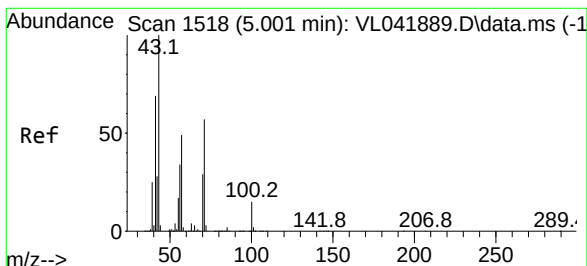
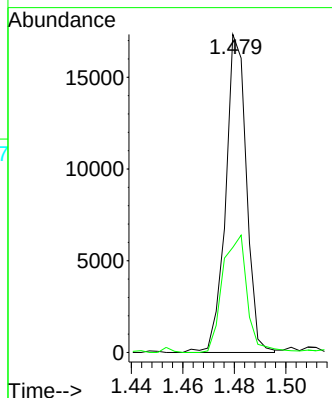
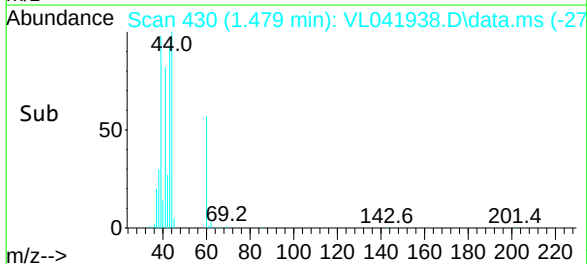
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1



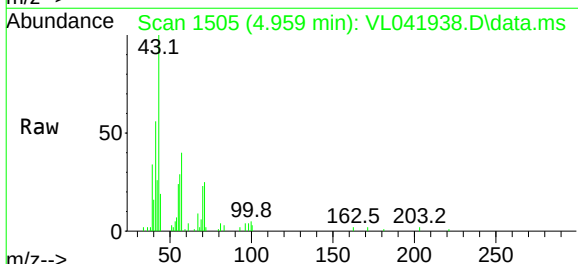
Tgt Ion: 41 Resp: 9704
 Ion Ratio Lower Upper
 41 100
 42 190.3 52.0 78.0#

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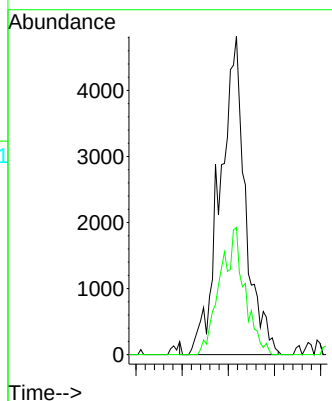
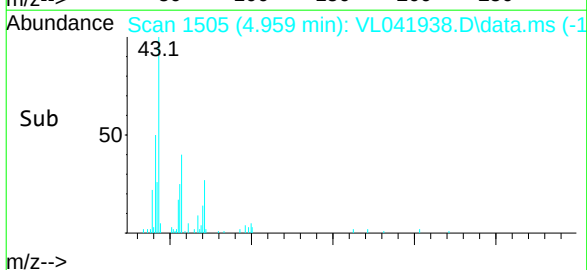
Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

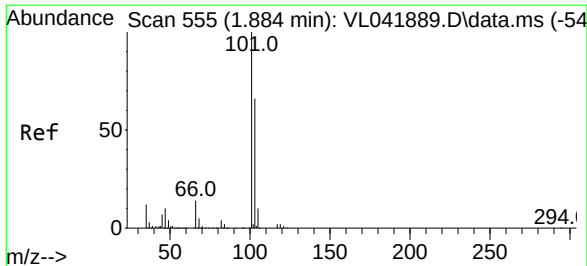


#10
 Heptane
 Concen: 0.428 ppbv m
 RT: 4.959 min Scan# 1505
 Delta R.T. -0.042 min
 Lab File: VL041938.D
 Acq: 21 Jan 2025 08:17



Tgt Ion: 43 Resp: 9206
 Ion Ratio Lower Upper
 43 100
 57 38.7 41.0 61.4#





#11

Trichlorofluoromethane

Concen: 0.231 ppbv

RT: 1.868 min Scan# 555

Delta R.T. -0.016 min

Lab File: VL041938.D

Acq: 21 Jan 2025 08:17

Instrument :

MSVOA_L

ClientSampleId :

IA1

Tgt Ion:101 Resp: 4481

Ion Ratio Lower Upper

101 100

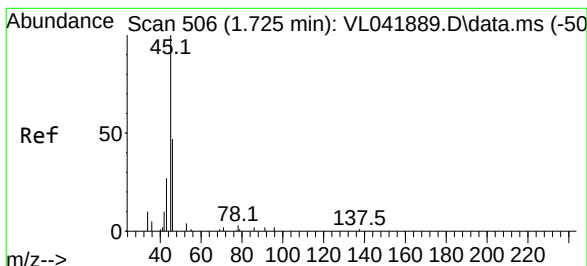
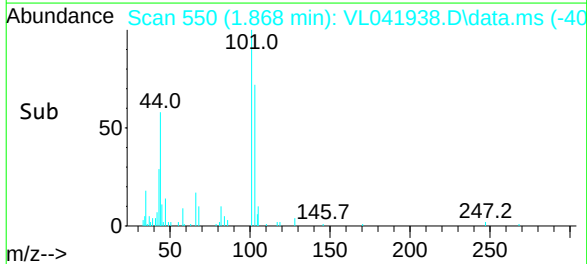
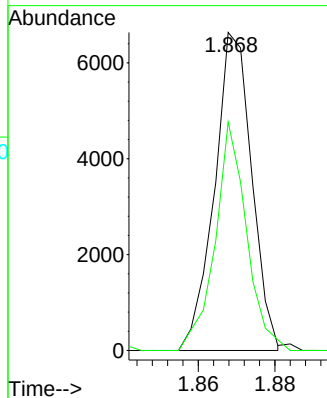
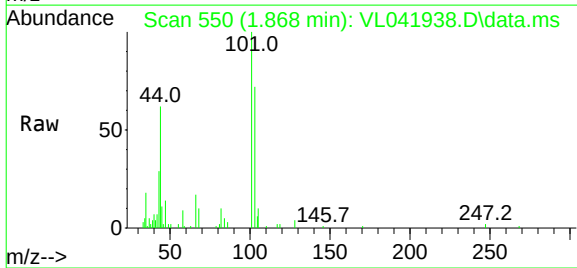
103 71.9 53.1 79.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/21/2025

Supervised By :Mahesh Dadoda 01/21/2025



#13

Ethanol

Concen: 232.972 ppbv

RT: 1.712 min Scan# 502

Delta R.T. -0.013 min

Lab File: VL041938.D

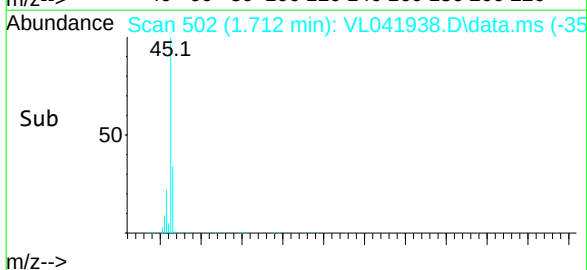
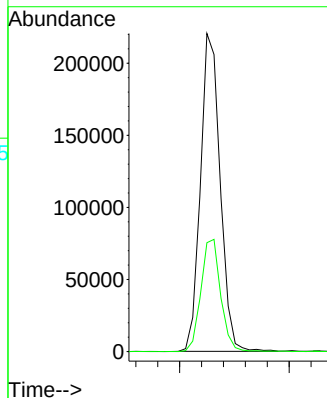
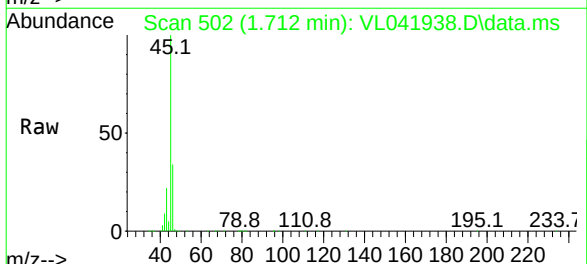
Acq: 21 Jan 2025 08:17

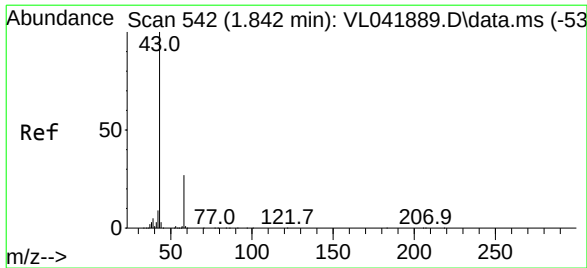
Tgt Ion: 45 Resp: 137462

Ion Ratio Lower Upper

45 100

46 35.8 18.1 72.5





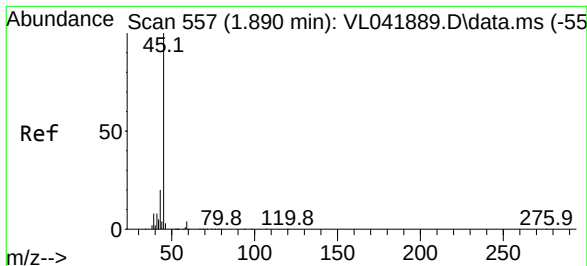
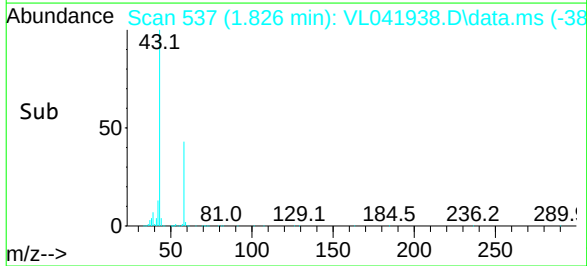
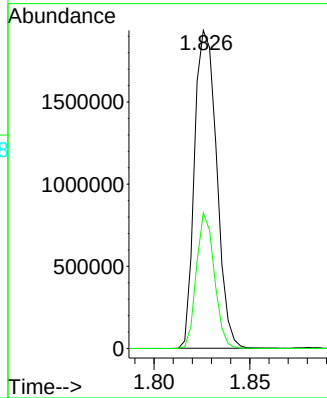
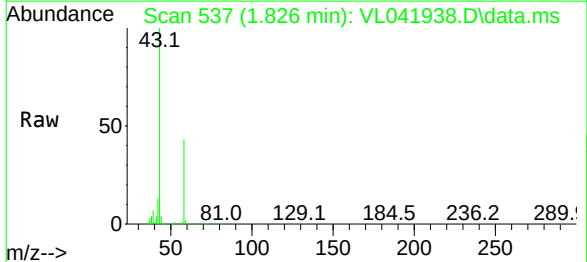
#15
Acetone
Concen: 94.168 ppbv
RT: 1.826 min Scan# 53
Delta R.T. -0.016 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

Instrument :
MSVOA_L
ClientSampleId :
IA1

Tgt Ion: 43 Resp: 1549948
Ion Ratio Lower Upper
43 100
58 34.7 21.9 32.9#

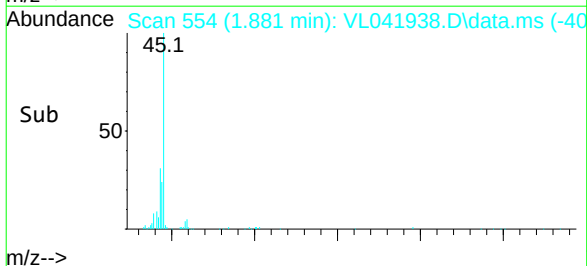
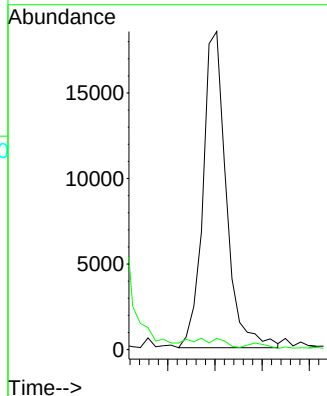
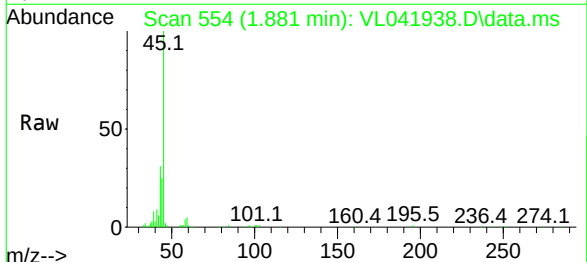
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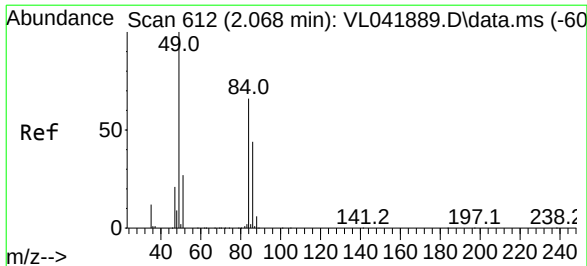
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#19
Isopropyl Alcohol
Concen: 1.297 ppbv
RT: 1.881 min Scan# 554
Delta R.T. -0.010 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

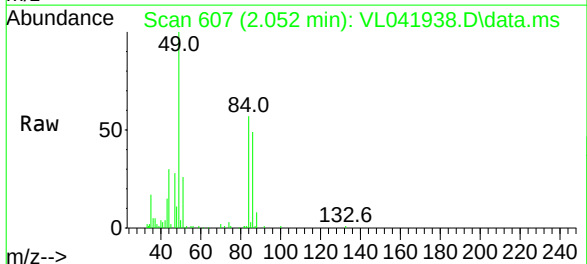
Tgt Ion: 45 Resp: 12657
Ion Ratio Lower Upper
45 100
58 0.0 35.0 52.6#





#20
Methylene Chloride
Concen: 1.033 ppbv
RT: 2.052 min Scan# 607
Delta R.T. -0.016 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

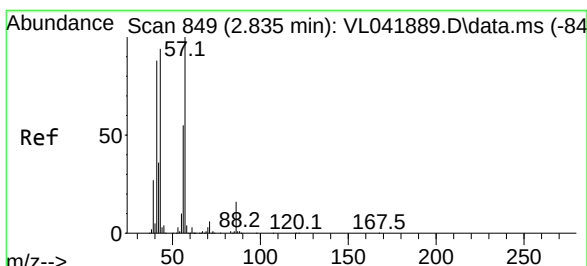
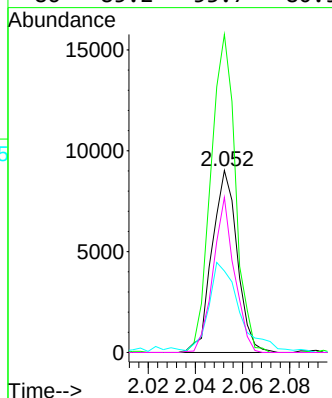
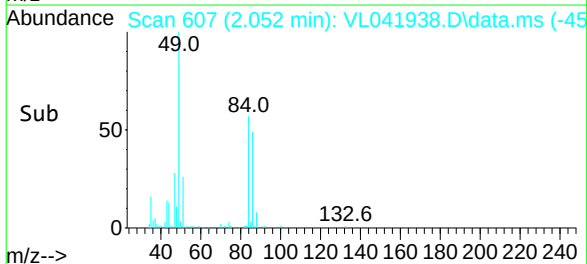
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion	Ratio	Lower	Upper
84	100		
49	174.7	123.1	184.7
51	43.0	35.8	53.8
86	85.2	53.7	80.5#

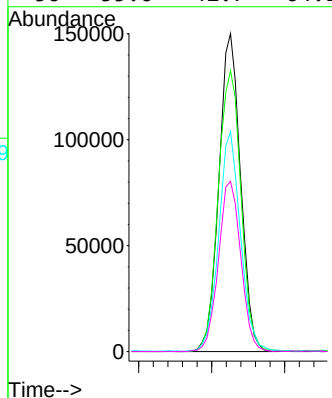
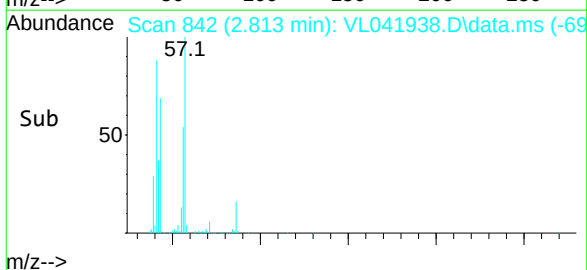
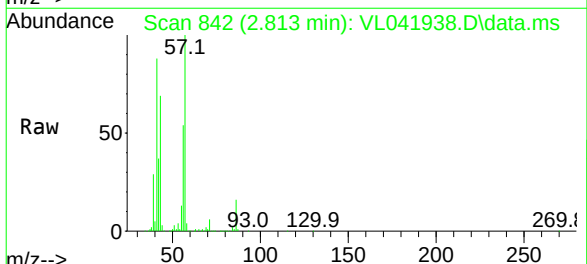
Manual Integrations
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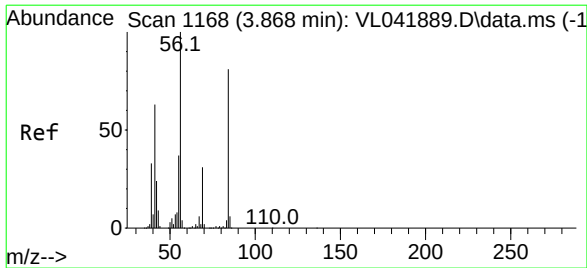
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#26
Hexane
Concen: 8.792 ppbv
RT: 2.813 min Scan# 842
Delta R.T. -0.023 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

Tgt Ion	Ratio	Lower	Upper
57	100		
41	93.6	73.8	110.8
43	70.0	197.3	295.9#
56	55.6	42.7	64.1





#30

Cyclohexane

Concen: 0.156 ppbv m

RT: 3.839 min Scan# 11

Delta R.T. -0.029 min

Lab File: VL041938.D

Acq: 21 Jan 2025 08:17

Instrument :

MSVOA_L

ClientSampleId :

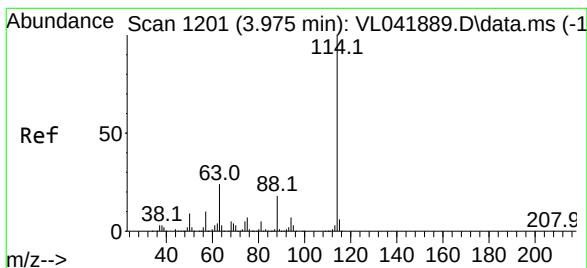
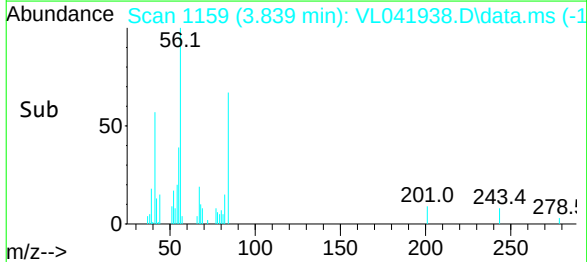
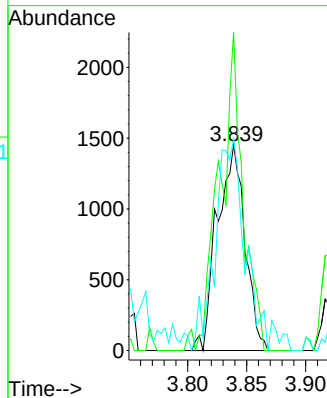
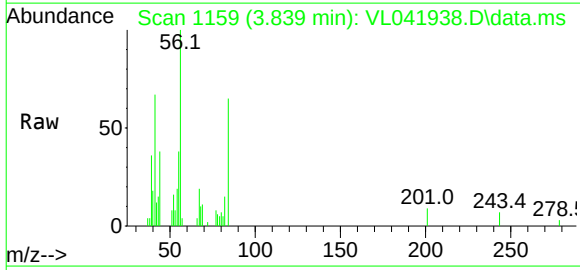
IA1

Tgt Ion:	84	Resp:	2372
Ion	Ratio	Lower	Upper
84	100		
56	131.0	99.3	148.9
41	121.2	64.3	96.5#

Manual Integrations

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Supervised By :Mahesh Dadoda 01/21/2025



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

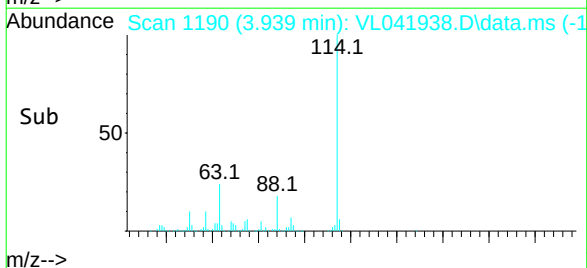
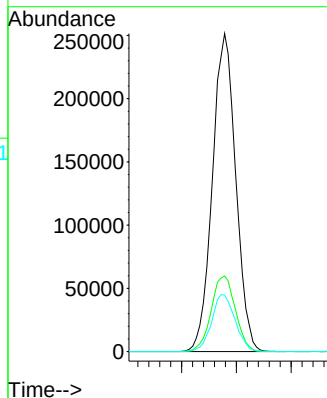
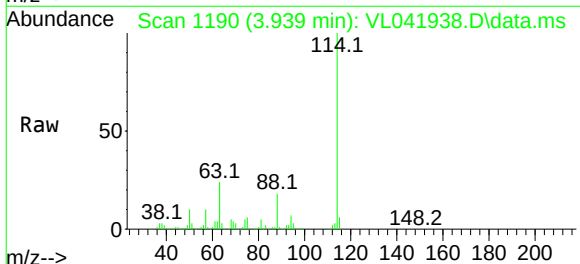
RT: 3.939 min Scan# 1190

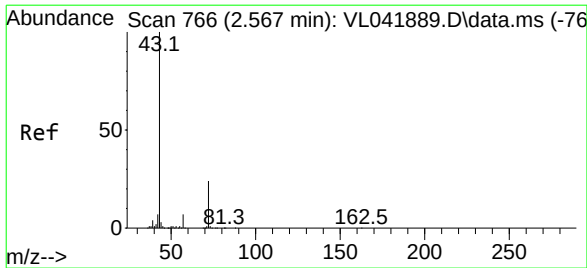
Delta R.T. -0.036 min

Lab File: VL041938.D

Acq: 21 Jan 2025 08:17

Tgt Ion:	114	Resp:	372525
Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.8	29.6
88	18.0	14.4	21.6





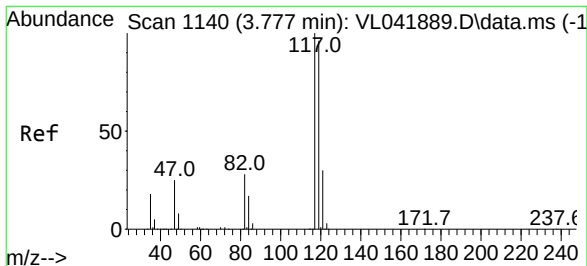
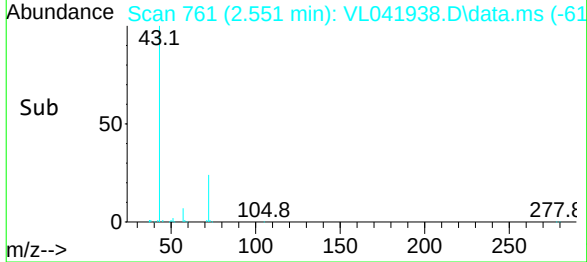
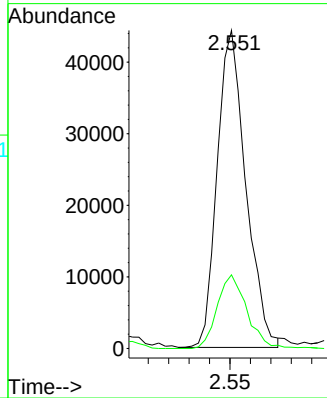
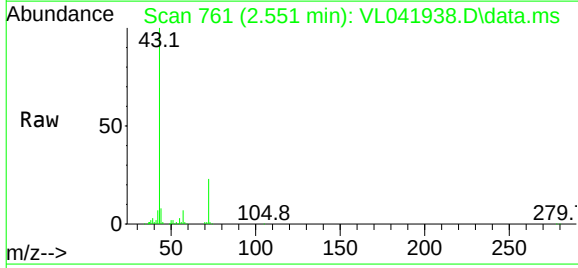
#34
2-Butanone
Concen: 1.818 ppbv
RT: 2.551 min Scan# 766
Delta R.T. -0.016 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

Instrument : MSVOA_L
ClientSampleId : IA1

Tgt Ion: 43 Resp: 43065
Ion Ratio Lower Upper
43 100
72 24.2 18.6 28.0

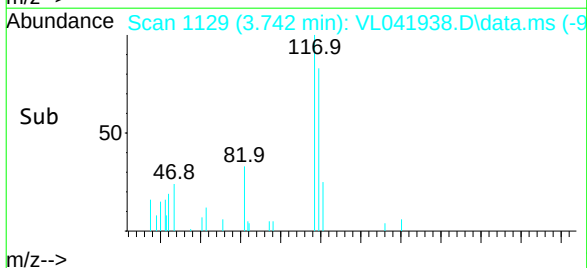
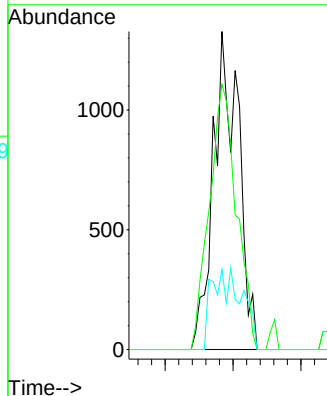
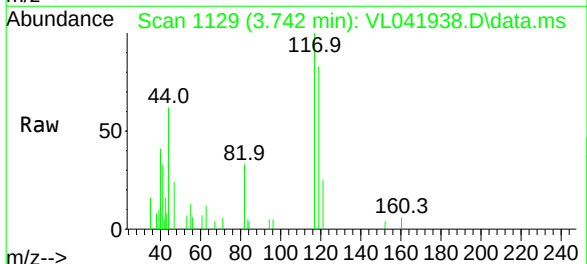
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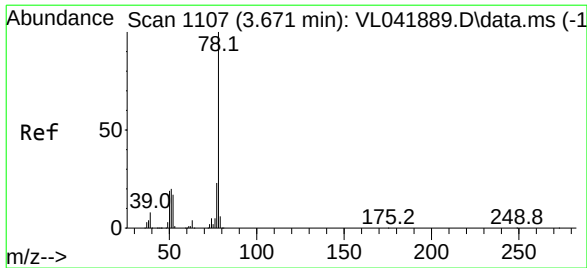
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#35
Carbon Tetrachloride
Concen: 0.073 ppbv m
RT: 3.742 min Scan# 1129
Delta R.T. -0.036 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

Tgt Ion:117 Resp: 1714
Ion Ratio Lower Upper
117 100
119 83.4 76.9 115.3
121 25.2 23.8 35.6





#36

Benzene

Concen: 0.480 ppbv

RT: 3.638 min Scan# 10

Delta R.T. -0.032 min

Lab File: VL041938.D

Acq: 21 Jan 2025 08:17

Instrument :

MSVOA_L

ClientSampleId :

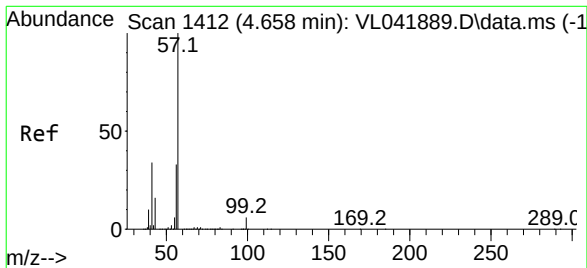
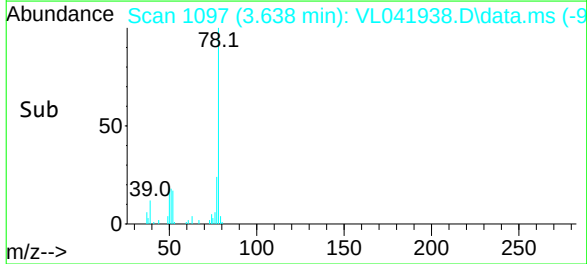
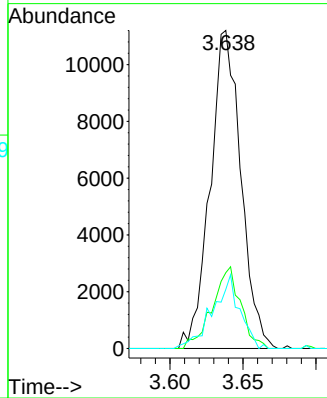
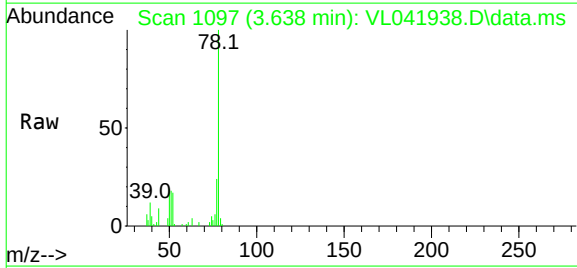
IA1

Tgt Ion: 78	Resp: 16394
Ion Ratio	Lower Upper
78 100	
77 23.8	18.1 27.1
50 18.6	15.2 22.8

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Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#44

2,2,4-Trimethylpentane

Concen: 0.220 ppbv m

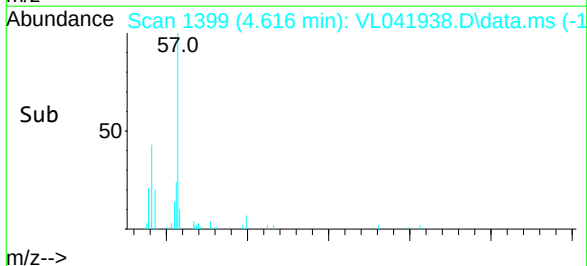
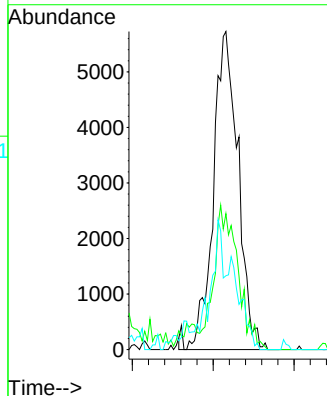
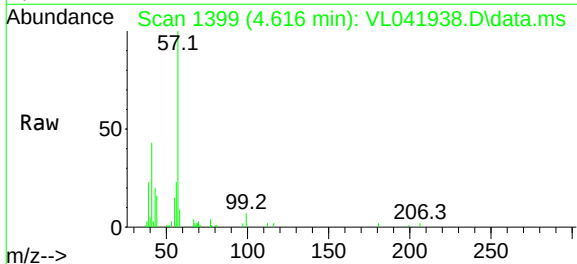
RT: 4.616 min Scan# 1399

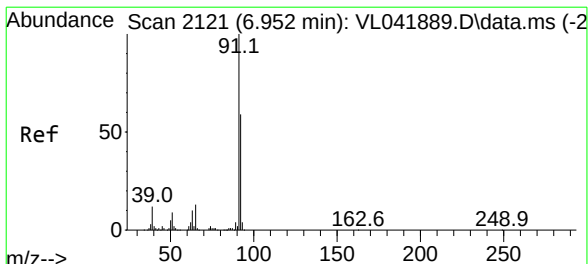
Delta R.T. -0.042 min

Lab File: VL041938.D

Acq: 21 Jan 2025 08:17

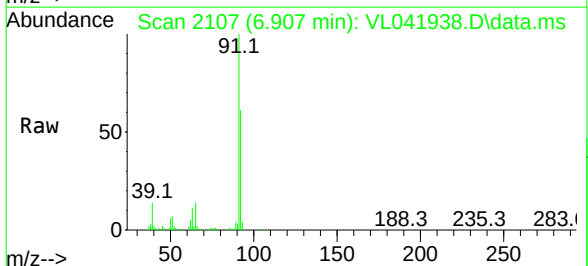
Tgt Ion: 57	Resp: 12166
Ion Ratio	Lower Upper
57 100	
41 50.4	26.6 40.0#
56 42.6	25.4 38.2#





#53
Toluene
Concen: 8.020 ppbv
RT: 6.907 min Scan# 211
Delta R.T. -0.045 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

Instrument : MSVOA_L
ClientSampleId : IA1

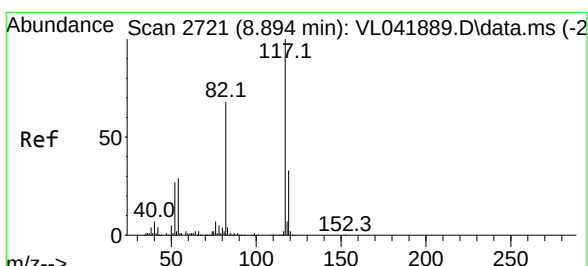
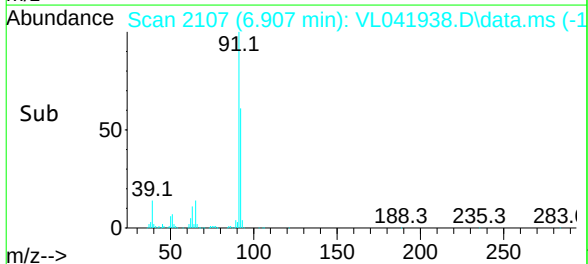
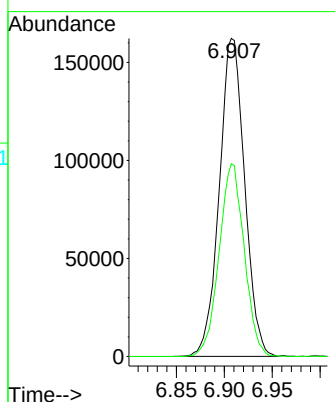


Tgt Ion: 91 Resp: 298474

Ion	Ratio	Lower	Upper
91	100		
92	60.1	47.4	71.0

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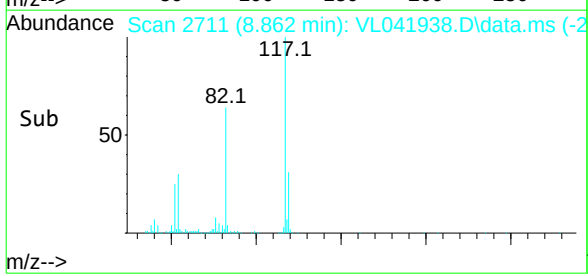
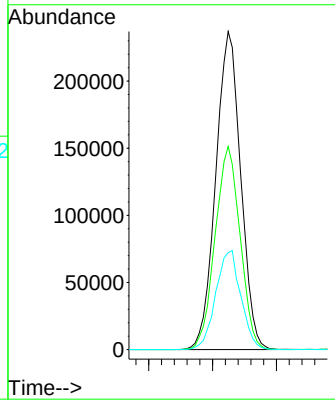
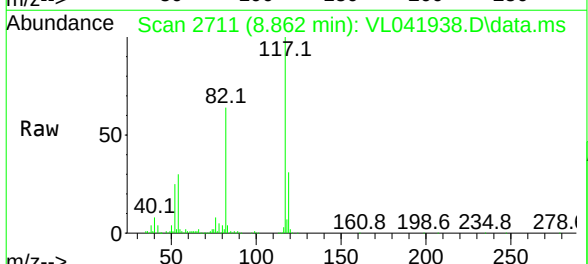
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025

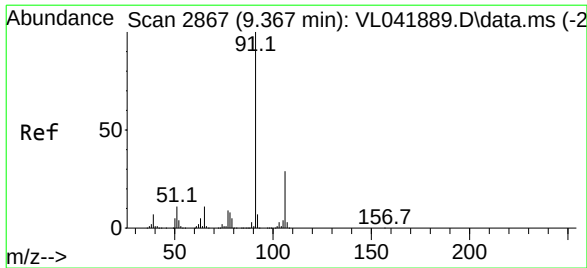


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 8.862 min Scan# 2711
Delta R.T. -0.032 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

Tgt Ion:117 Resp: 321641

Ion	Ratio	Lower	Upper
117	100		
82	63.9	54.2	81.4
119	31.3	25.0	37.6





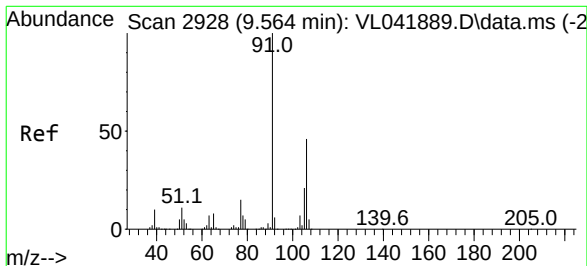
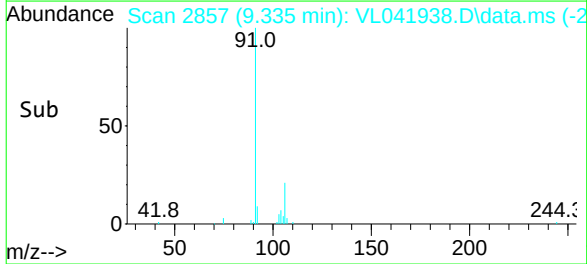
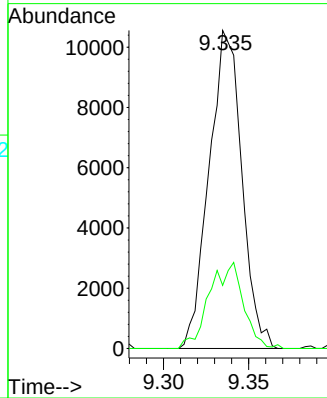
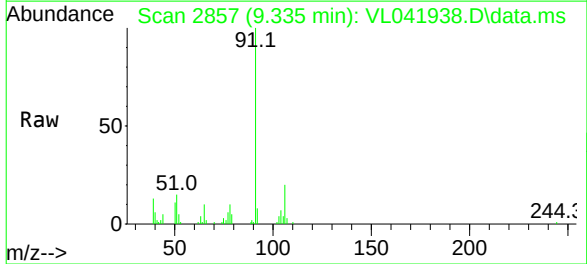
#58
Ethyl Benzene
Concen: 0.280 ppbv
RT: 9.335 min Scan# 2867
Delta R.T. -0.032 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

Instrument : MSVOA_L
ClientSampleId : IA1

Tgt Ion: 91 Resp: 14088
Ion Ratio Lower Upper
91 100
106 19.9 23.1 34.7%

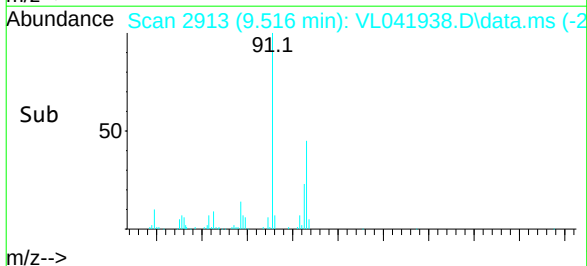
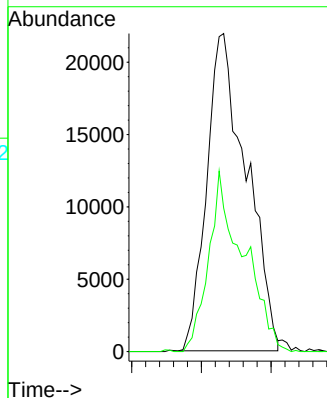
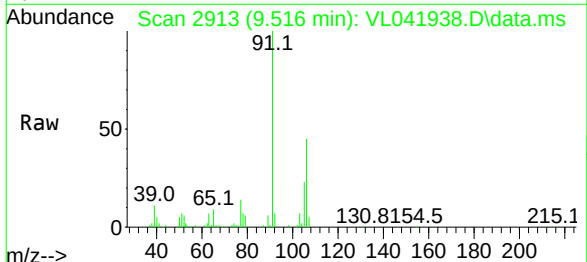
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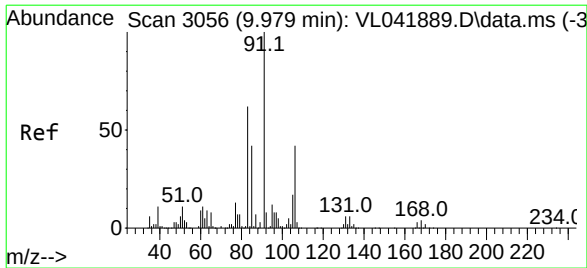
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#59
m/p-Xylene
Concen: 1.076 ppbv
RT: 9.516 min Scan# 2913
Delta R.T. -0.048 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

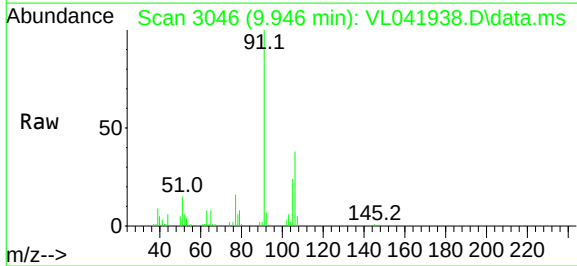
Tgt Ion: 91 Resp: 43343
Ion Ratio Lower Upper
91 100
106 49.8 36.0 54.0





#60
o-Xylene
Concen: 0.341 ppbv
RT: 9.946 min Scan# 3056
Delta R.T. -0.032 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

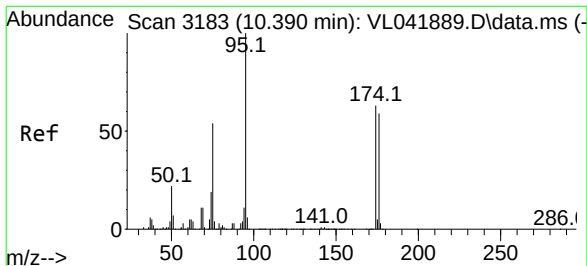
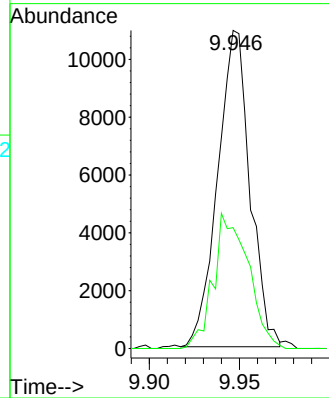
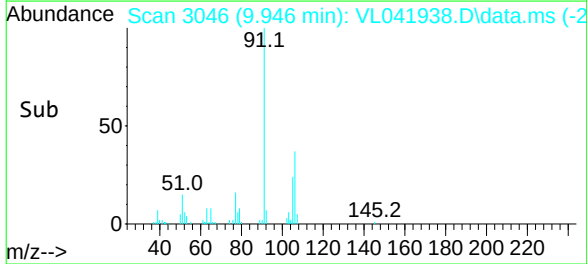
Instrument :
MSVOA_L
ClientSampleId :
IA1



Tgt Ion: 91 Resp: 13644
Ion Ratio Lower Upper
91 100
106 45.9 21.3 63.9

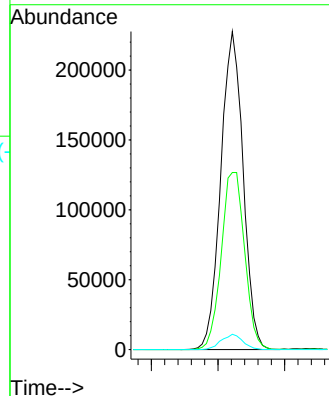
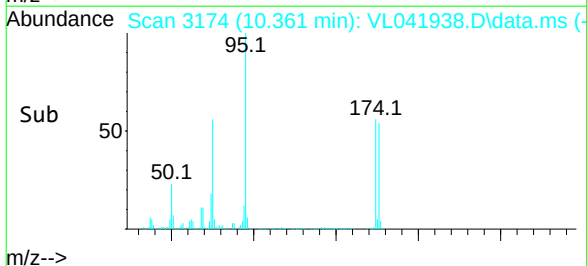
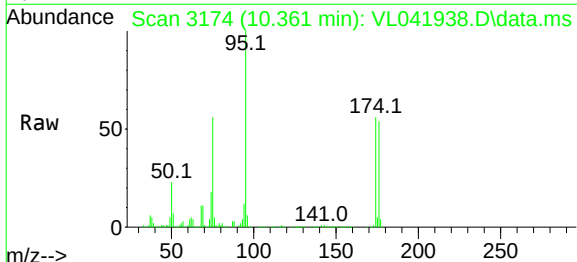
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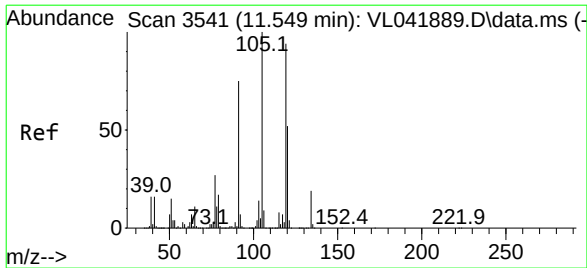
Reviewed By :Semsettin Yesilyurt 01/21/2025
Supervised By :Mahesh Dadoda 01/21/2025



#68
1-Bromo-4-Fluorobenzene
Concen: 10.448 ppbv
RT: 10.361 min Scan# 3174
Delta R.T. -0.029 min
Lab File: VL041938.D
Acq: 21 Jan 2025 08:17

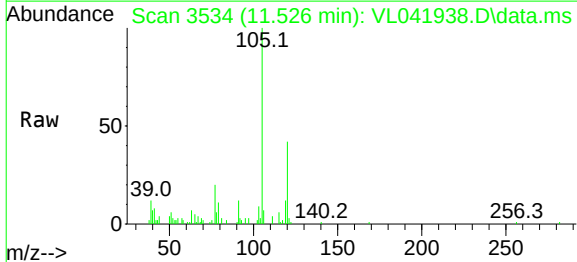
Tgt Ion: 95 Resp: 264679
Ion Ratio Lower Upper
95 100
174 58.4 49.0 73.4
175 4.7 3.8 5.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.201 ppbv
 RT: 11.526 min Scan# 3541
 Delta R.T. -0.023 min
 Lab File: VL041938.D
 Acq: 21 Jan 2025 08:17

Instrument : MSVOA_L
 ClientSampleId : IA1



Tgt Ion:	105	Resp:	9205
Ion Ratio	Lower	Upper	
105	100		
120	41.8	41.4	62.2
91	10.4	60.2	90.2#
77	18.2	22.0	33.0#

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 01/21/2025
 Supervised By :Mahesh Dadoda 01/21/2025

