

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
 Data File : VL041206.D
 Acq On : 2 May 2024 22:06
 Operator : SY/MD
 Sample : P2334-12
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-03-IA04-20240425

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024
 Supervised By :Mahesh Dadoda 05/07/2024

Quant Time: May 03 03:45:22 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M

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

QLast Update : Fri May 03 03:34:47 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.192	49	785456	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.648	114	2032233	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.459	117	1901592	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.774 95 1428633 9.951 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 99.500%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.735	85	39549	0.372	ppbv	94
4) Chloromethane	2.822	50	26875	0.574	ppbv	93
9) Propene	2.710	41	65215	1.397	ppbv #	70
10) Heptane	7.574	43	16110m	0.142	ppbv	
11) Trichlorofluoromethane	3.568	101	28817	0.267	ppbv	98
13) Ethanol	3.240	45	1779549	170.042	ppbv	98
15) Acetone	3.468	43	1005187	10.844	ppbv	93
19) Isopropyl Alcohol	3.578	45	811550	13.342	ppbv #	44
20) Methylene Chloride	3.938	84	49393	1.532	ppbv	91
25) Ethyl Acetate	5.208	43	210309	1.137	ppbv #	95
26) Hexane	5.211	57	158077	1.914	ppbv #	63
34) 2-Butanone	4.790	43	82792	0.800	ppbv	98
35) Carbon Tetrachloride	6.488	117	8388m	0.074	ppbv	
36) Benzene	6.369	78	34727	0.204	ppbv	95
37) 1,2-Dichloroethane	5.800	62	14049m	0.158	ppbv	
44) 2,2,4-Trimethylpentane	7.324	57	34756m	0.118	ppbv	
52) Tetrachloroethene	10.606	164	16311m	0.272	ppbv	
53) Toluene	9.217	91	186380m	0.943	ppbv	
58) Ethyl Benzene	12.082	91	26071m	0.100	ppbv	
59) m/p-Xylene	12.343	91	65711m	0.300	ppbv	
60) o-Xylene	13.057	91	21301m	0.104	ppbv	
61) Styrene	12.896	104	13439m	0.124	ppbv	

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

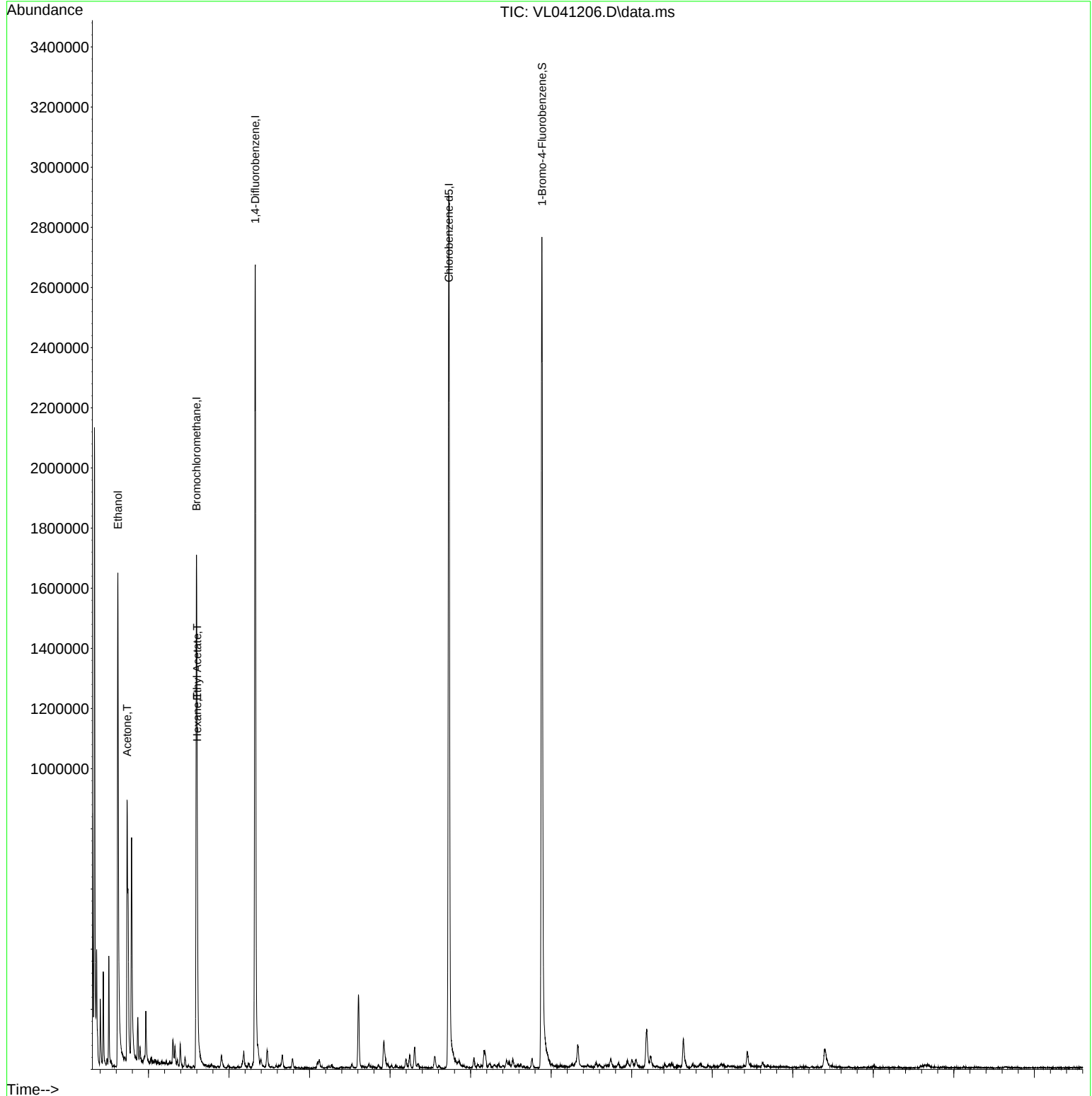
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
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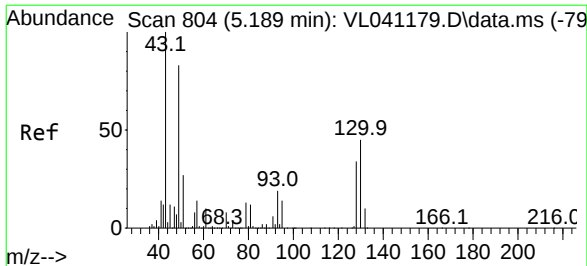
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA04-20240425

Quant Time: May 03 03:45:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 03 03:34:47 2024
Response via : Initial Calibration

Manual Integrations
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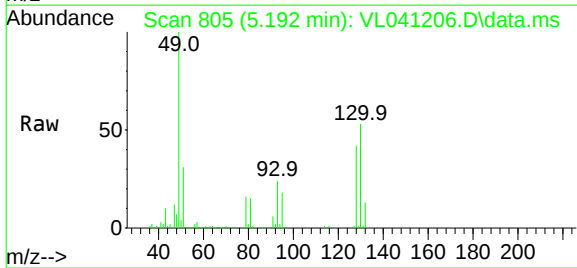
Reviewed By : Semsettin Yesilyurt 05/06/2024
Supervised By : Mahesh Dadoda 05/07/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 80
Delta R.T. -0.000 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

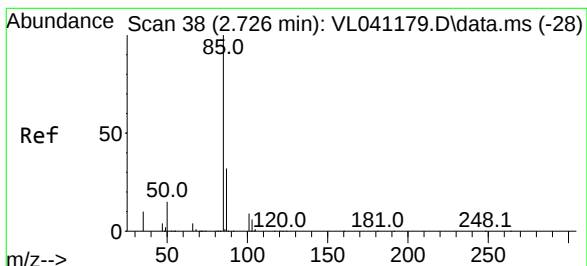
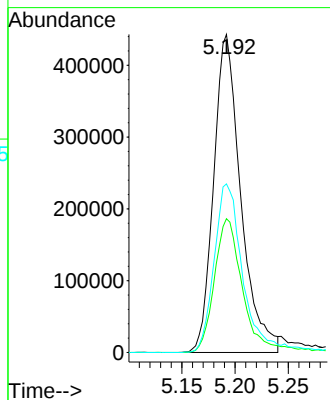
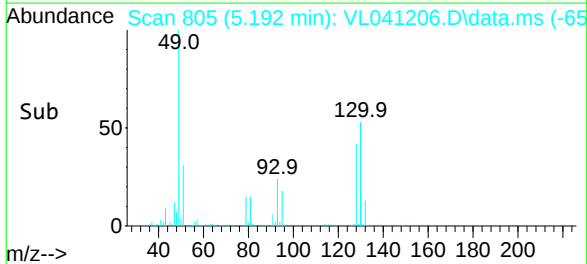
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA04-20240425



Tgt Ion: 49 Resp: 785456
Ion Ratio Lower Upper
49 100
128 45.7 21.5 64.5
130 57.0 27.2 81.6

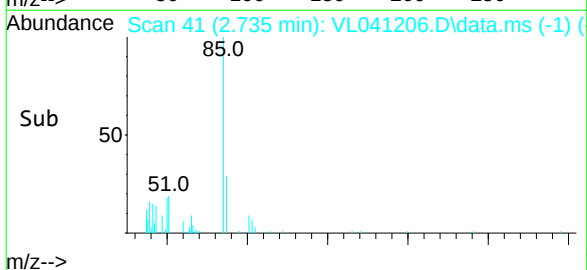
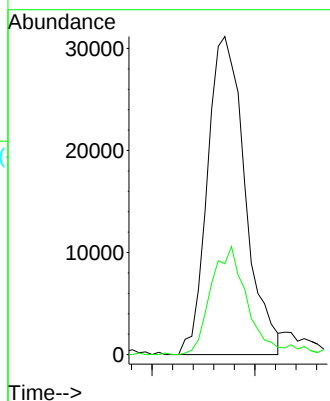
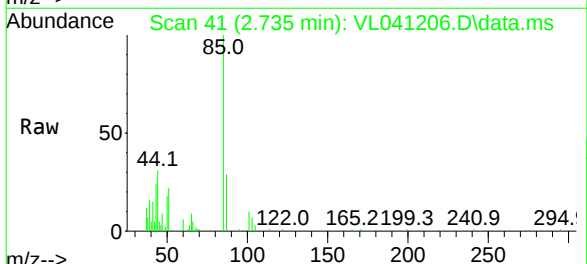
Manual Integrations
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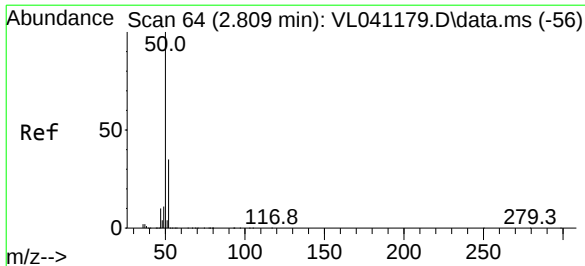
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#2
Dichlorodifluoromethane
Concen: 0.372 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

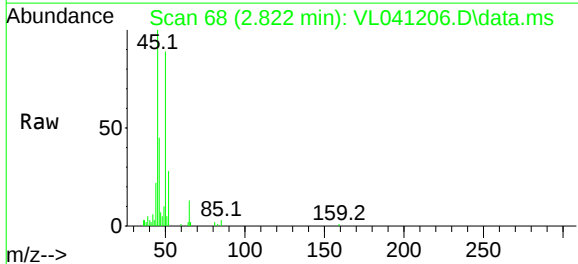
Tgt Ion: 85 Resp: 39549
Ion Ratio Lower Upper
85 100
87 28.5 25.7 38.5





#4
Chloromethane
Concen: 0.574 ppbv
RT: 2.822 min Scan# 68
Delta R.T. 0.010 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

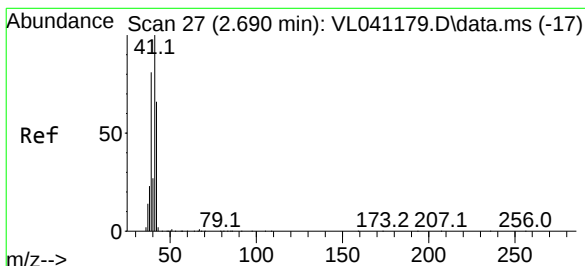
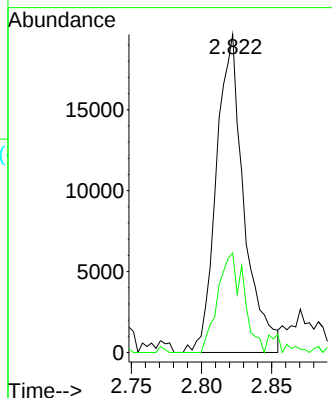
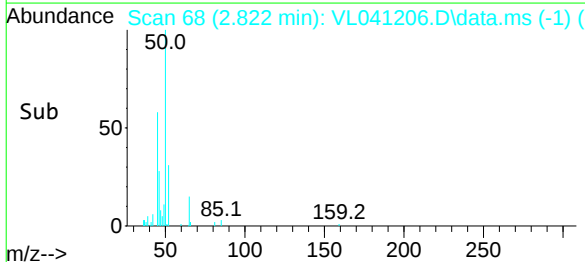
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA04-20240425



Tgt Ion: 50 Resp: 26875
Ion Ratio Lower Upper
50 100
52 31.3 28.3 42.5

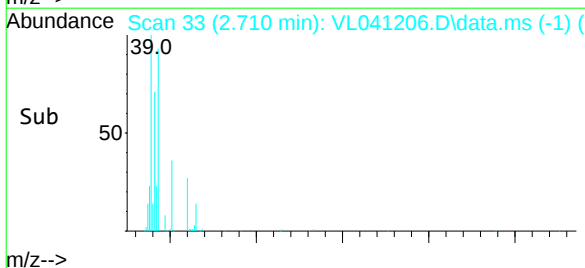
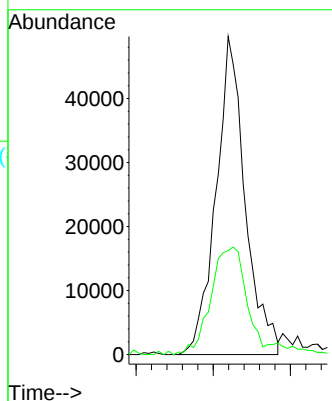
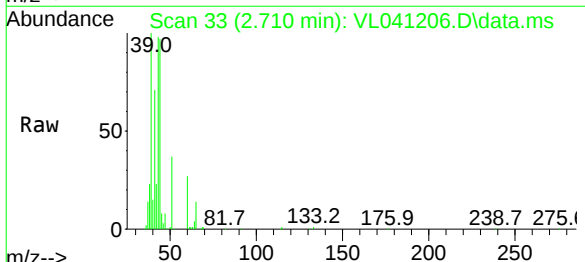
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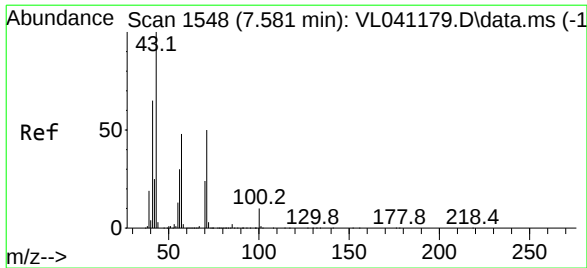
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#9
Propene
Concen: 1.397 ppbv
RT: 2.710 min Scan# 33
Delta R.T. 0.016 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

Tgt Ion: 41 Resp: 65215
Ion Ratio Lower Upper
41 100
42 44.7 55.3 82.9





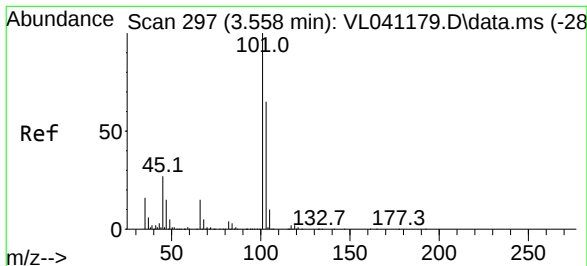
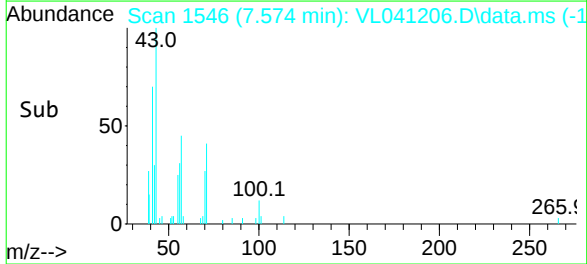
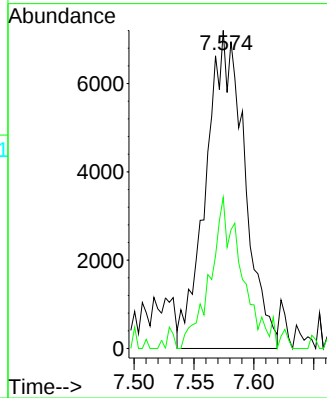
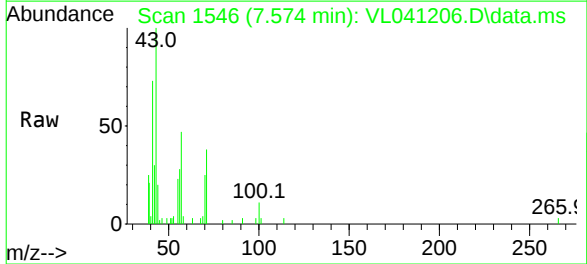
#10
Heptane
Concen: 0.142 ppbv m
RT: 7.574 min Scan# 15
Delta R.T. -0.006 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA04-20240425

Tgt Ion: 43 Resp: 16110
Ion Ratio Lower Upper
43 100
57 0.0 38.7 58.1#

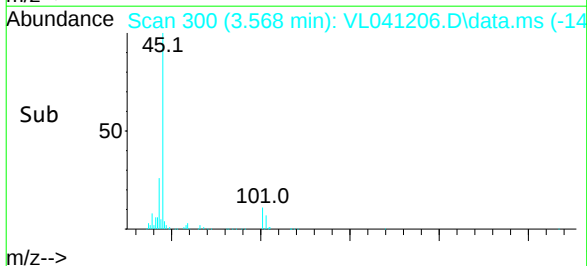
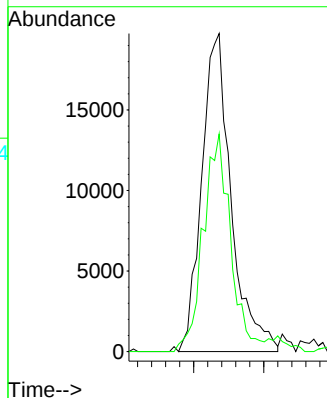
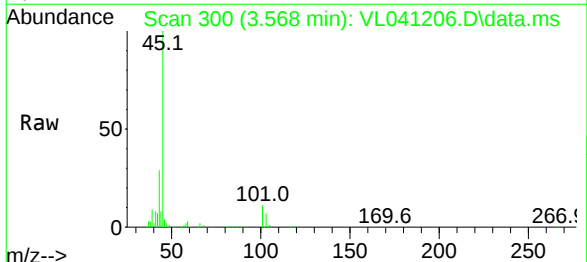
Manual Integrations
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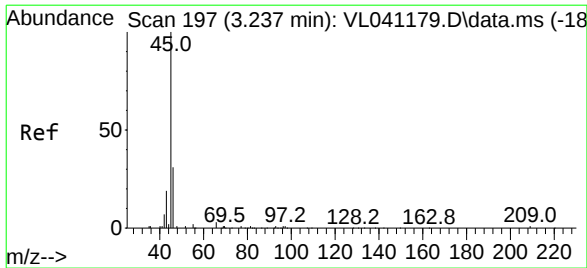
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#11
Trichlorofluoromethane
Concen: 0.267 ppbv
RT: 3.568 min Scan# 300
Delta R.T. 0.010 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

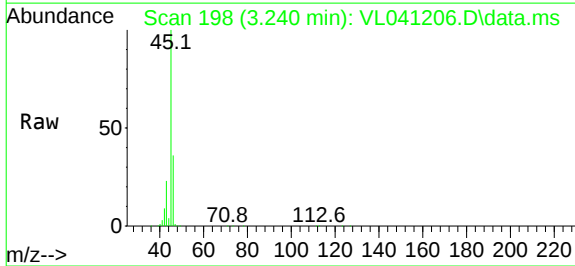
Tgt Ion:101 Resp: 28817
Ion Ratio Lower Upper
101 100
103 66.1 51.6 77.4





#13
Ethanol
Concen: 170.042 ppbv
RT: 3.240 min Scan# 197
Delta R.T. 0.003 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

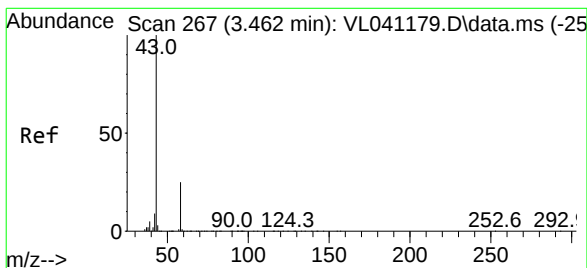
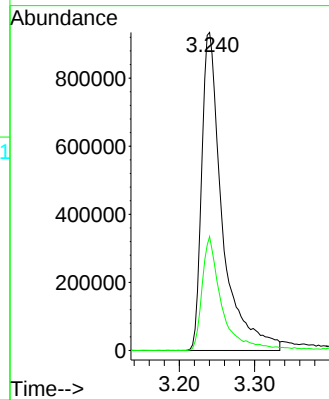
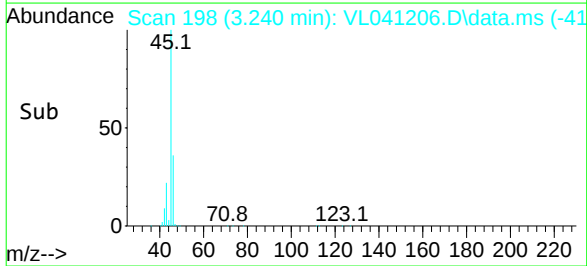
Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA04-20240425



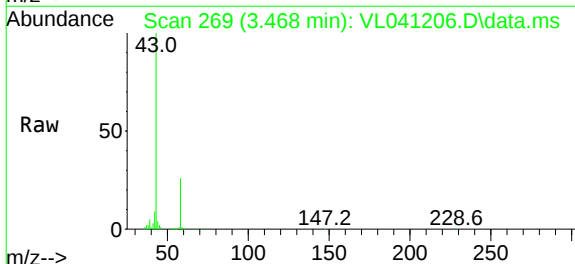
Tgt Ion: 45 Resp: 1779549
Ion Ratio Lower Upper
45 100
46 36.0 14.8 59.0

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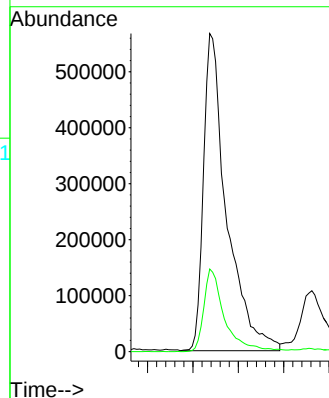
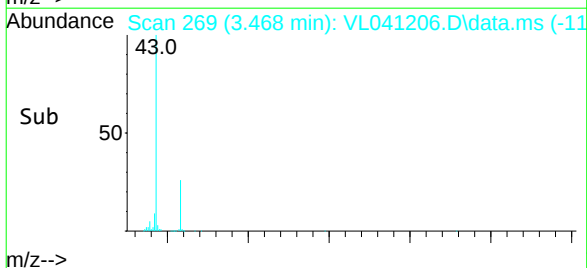
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

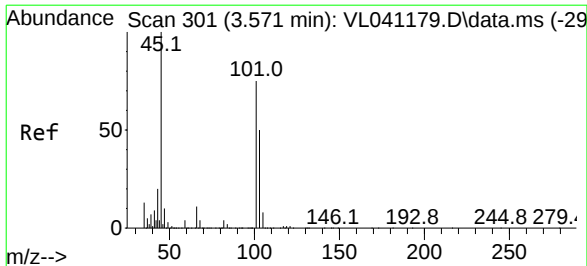


#15
Acetone
Concen: 10.844 ppbv
RT: 3.468 min Scan# 269
Delta R.T. 0.003 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06



Tgt Ion: 43 Resp: 1005187
Ion Ratio Lower Upper
43 100
58 23.3 21.4 32.0





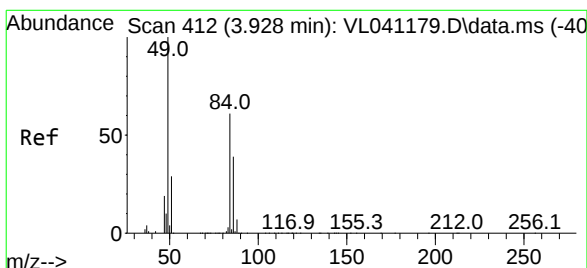
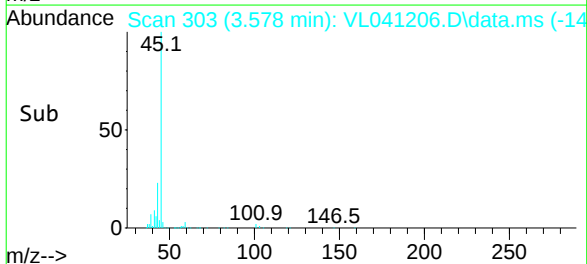
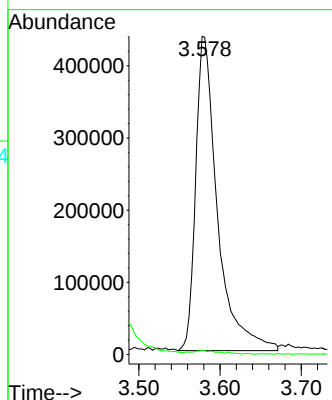
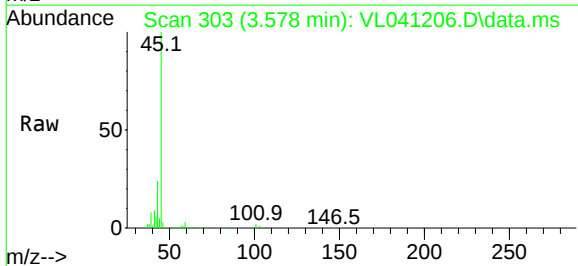
#19
Isopropyl Alcohol
Concen: 13.342 ppbv
RT: 3.578 min Scan# 301
Delta R.T. 0.007 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

Instrument : MSVOA_L
ClientSampleId : BA-03-IA04-20240425

Tgt Ion: 45 Resp: 811556
Ion Ratio Lower Upper
45 100
58 1.8 26.8 40.2#

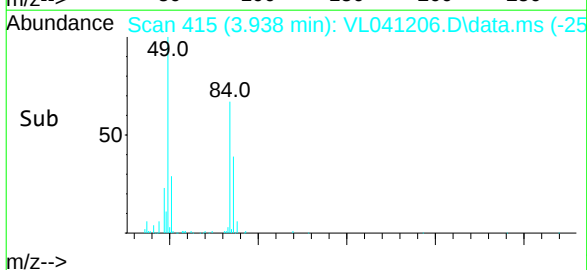
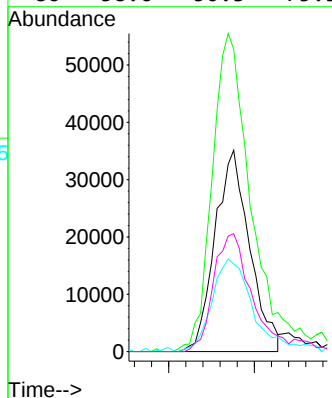
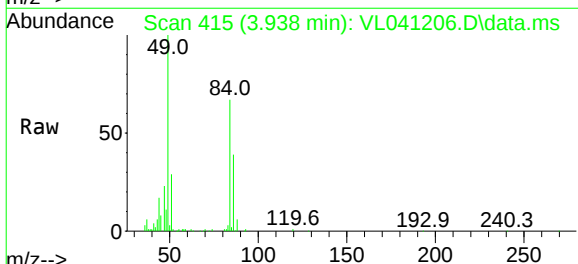
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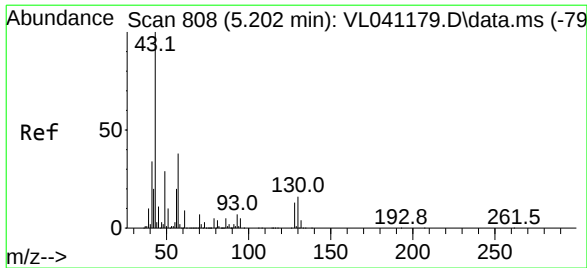
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#20
Methylene Chloride
Concen: 1.532 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.007 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

Tgt Ion: 84 Resp: 49393
Ion Ratio Lower Upper
84 100
49 148.8 130.4 195.6
51 43.5 38.0 57.0
86 58.6 50.3 75.5





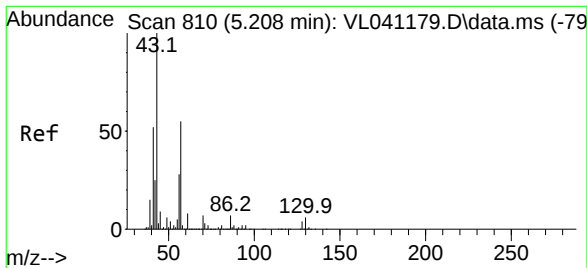
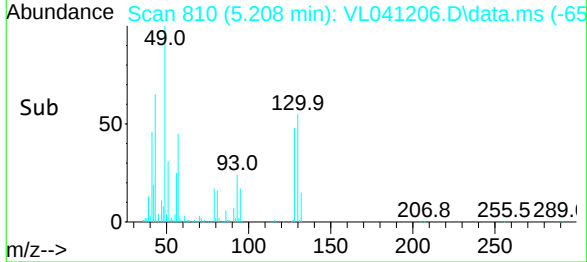
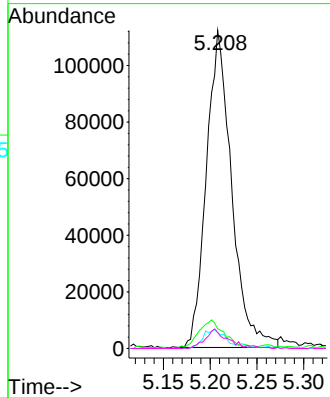
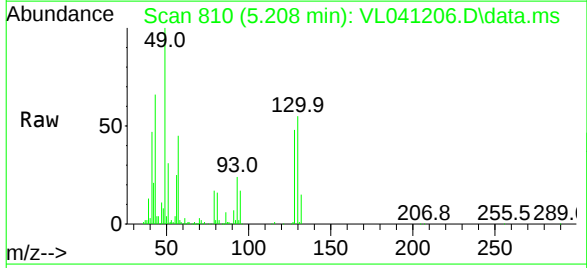
#25
Ethyl Acetate
Concen: 1.137 ppbv
RT: 5.208 min Scan# 810
Delta R.T. 0.007 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

Instrument :
MSVOA_L
ClientSampleId :
BA-03-IA04-20240425

Tgt Ion:	43	Resp:	210309
Ion	Ratio	Lower	Upper
43	100		
45	10.3	8.2	12.2
61	5.6	7.7	11.5#
70	5.6	5.8	8.6#

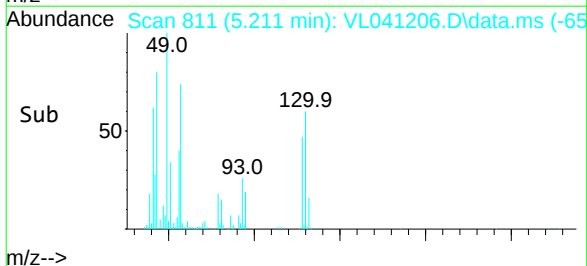
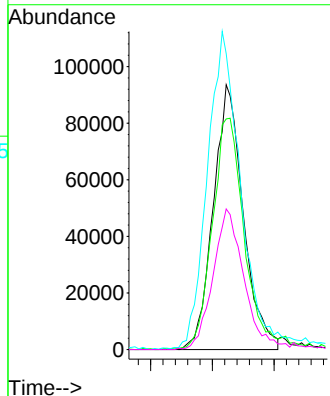
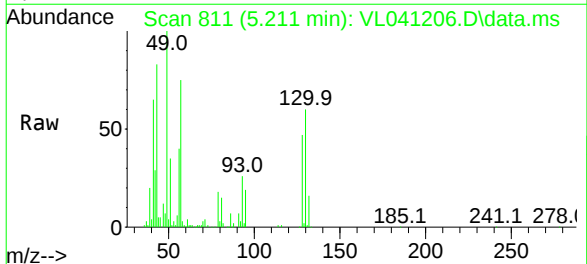
Manual Integrations
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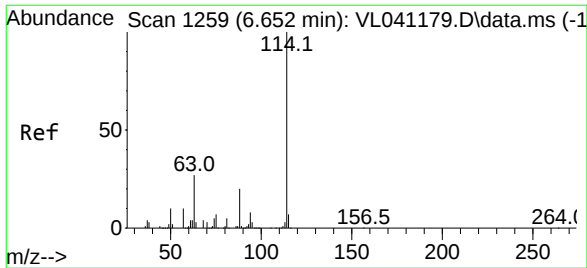
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#26
Hexane
Concen: 1.914 ppbv
RT: 5.211 min Scan# 811
Delta R.T. 0.000 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

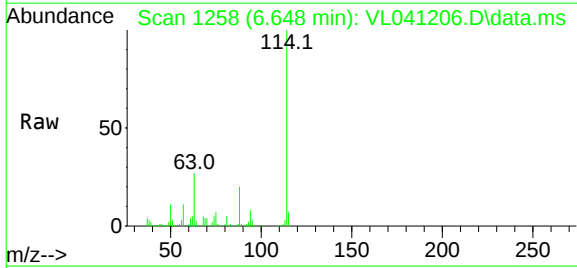
Tgt Ion:	57	Resp:	158077
Ion	Ratio	Lower	Upper
57	100		
41	96.0	75.8	113.8
43	136.3	187.0	280.4#
56	56.7	42.7	64.1





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.648 min Scan# 1258
Delta R.T. -0.003 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

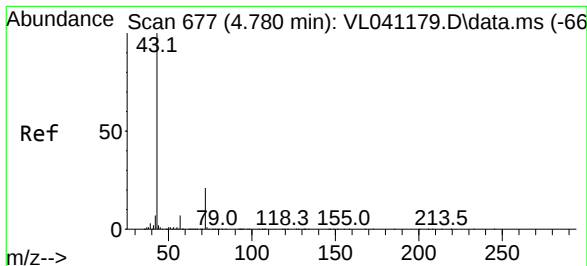
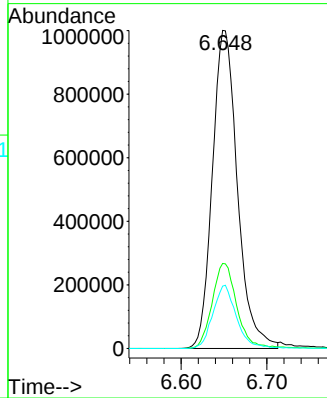
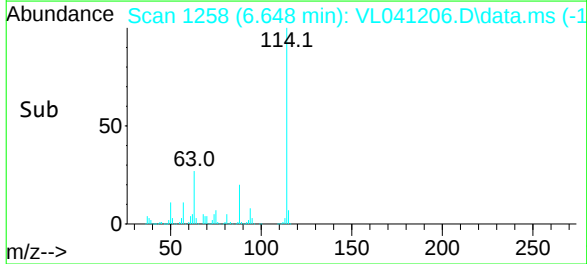
Instrument :
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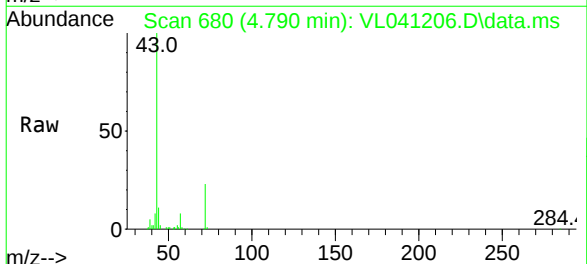
Tgt Ion:114 Resp: 2032233
Ion Ratio Lower Upper
114 100
63 26.6 21.8 32.6
88 18.9 15.2 22.8

Manual Integrations
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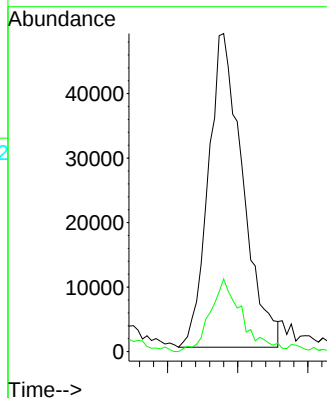
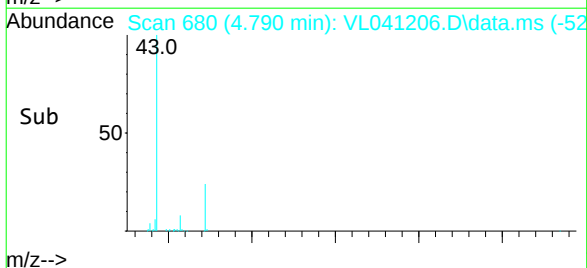
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

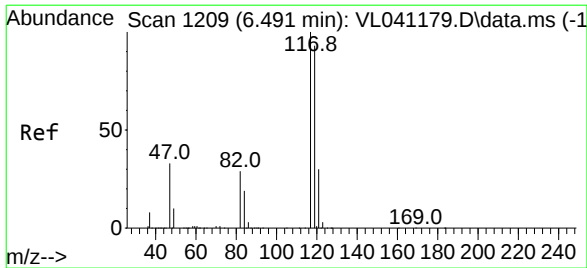


#34
2-Butanone
Concen: 0.800 ppbv
RT: 4.790 min Scan# 680
Delta R.T. 0.007 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06



Tgt Ion: 43 Resp: 82792
Ion Ratio Lower Upper
43 100
72 22.7 17.3 25.9





#35

Carbon Tetrachloride

Concen: 0.074 ppbv

RT: 6.488 min Scan# 1209

Delta R.T. -0.003 min

Lab File: VL041206.D

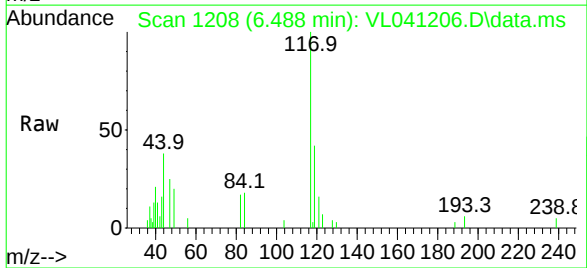
Acq: 2 May 2024 22:06

Instrument :

MSVOA_L

ClientSampleId :

BA-03-IA04-20240425



Tgt Ion: 117 Resp: 8388

Ion Ratio Lower Upper

117 100

119 42.1 74.3 111.5#

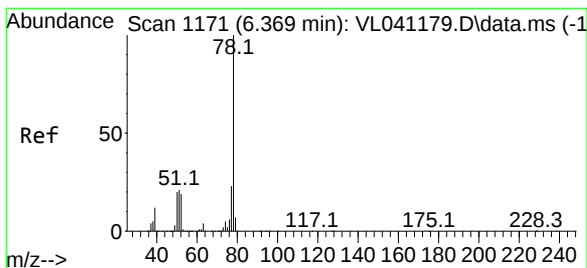
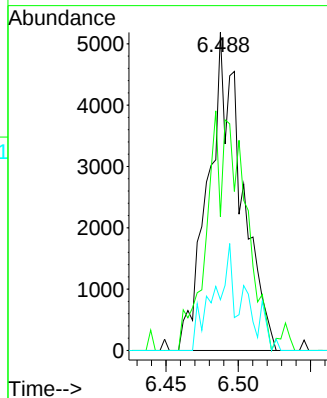
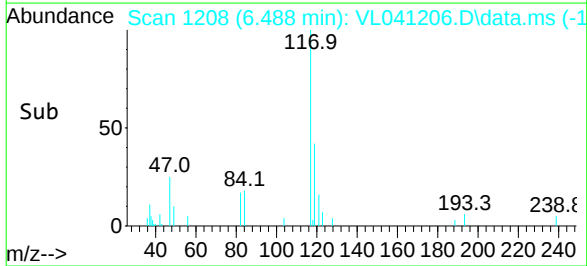
121 15.9 23.8 35.8#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#36

Benzene

Concen: 0.204 ppbv

RT: 6.369 min Scan# 1171

Delta R.T. 0.000 min

Lab File: VL041206.D

Acq: 2 May 2024 22:06

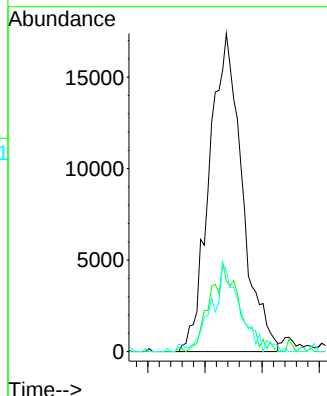
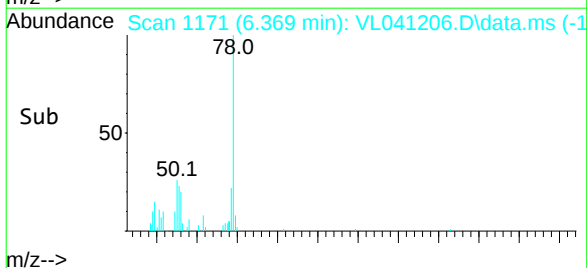
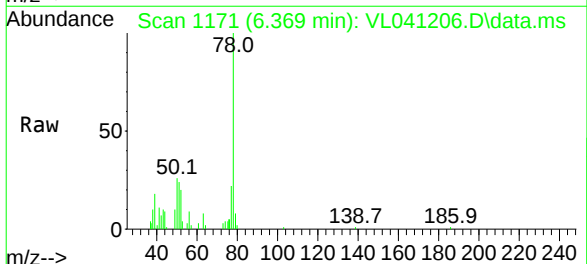
Tgt Ion: 78 Resp: 34727

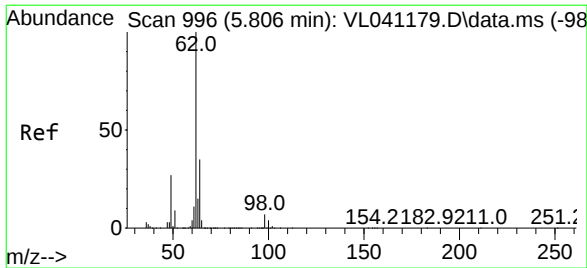
Ion Ratio Lower Upper

78 100

77 22.3 18.3 27.5

50 23.7 15.9 23.9





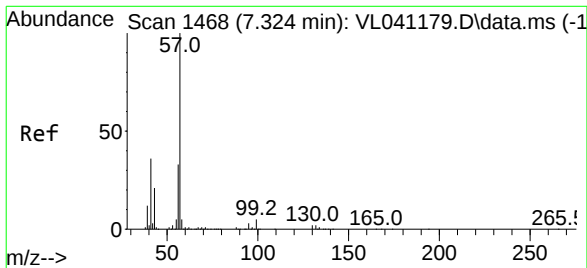
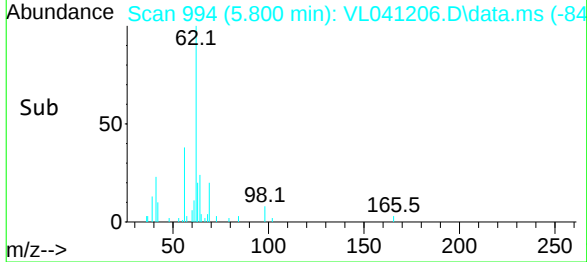
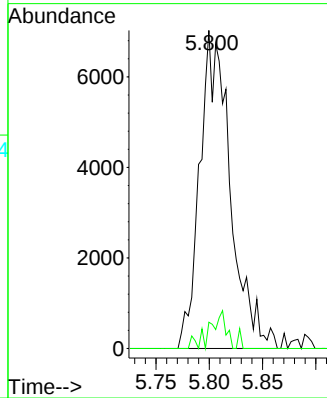
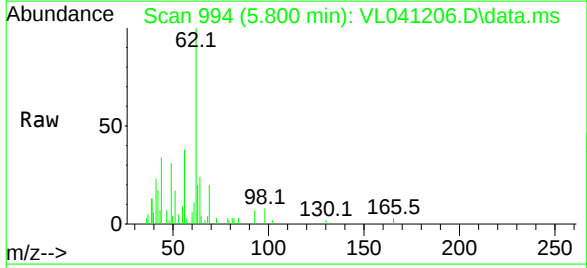
#37
1,2-Dichloroethane
Concen: 0.158 ppbv m
RT: 5.800 min Scan# 996
Delta R.T. -0.006 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

Instrument : MSVOA_L
ClientSampleId : BA-03-IA04-20240425

Tgt Ion: 62 Resp: 14049
Ion Ratio Lower Upper
62 100
98 0.0 5.0 7.4#

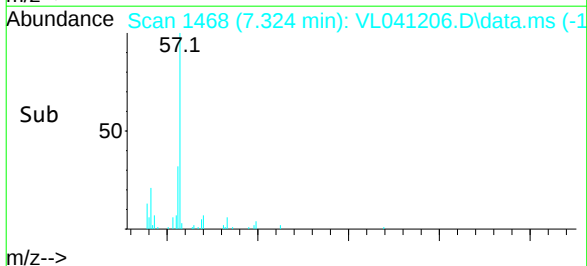
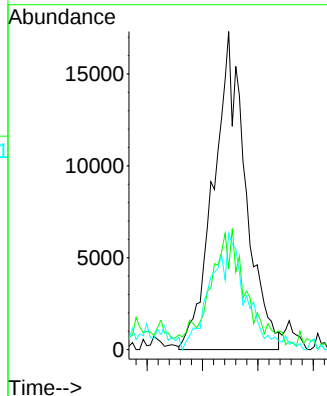
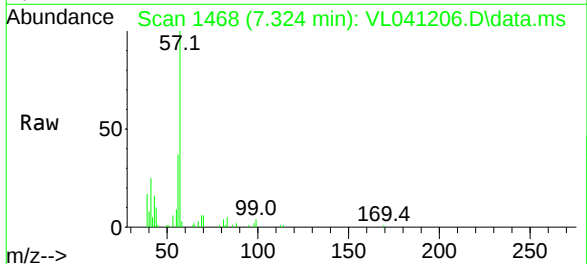
Manual Integrations
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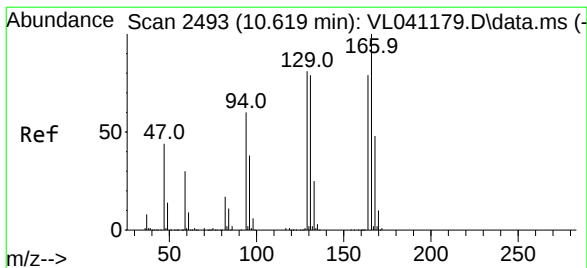
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#44
2,2,4-Trimethylpentane
Concen: 0.118 ppbv m
RT: 7.324 min Scan# 1468
Delta R.T. -0.003 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

Tgt Ion: 57 Resp: 34756
Ion Ratio Lower Upper
57 100
41 0.0 29.5 44.3#
56 39.7 25.3 37.9#





#52

Tetrachloroethene

Concen: 0.272 ppbv m

RT: 10.606 min Scan# 2493

Delta R.T. -0.006 min

Lab File: VL041206.D

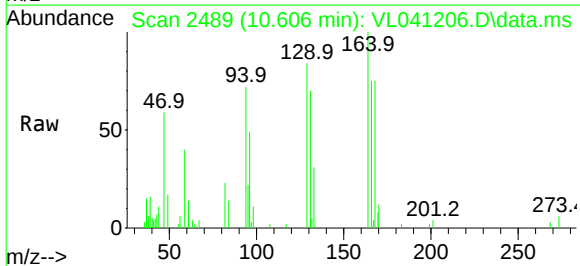
Acq: 2 May 2024 22:06

Instrument :

MSVOA_L

ClientSampleId :

BA-03-IA04-20240425



Tgt Ion: 164 Resp: 16311

Ion Ratio Lower Upper

164 100

166 75.0 101.1 151.7#

129 84.3 81.7 122.5#

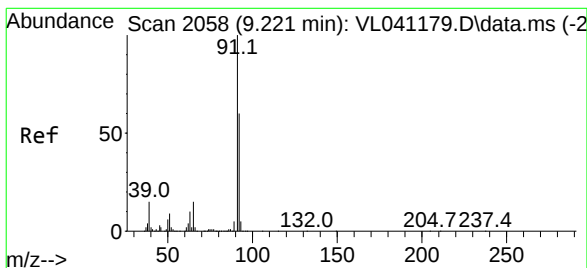
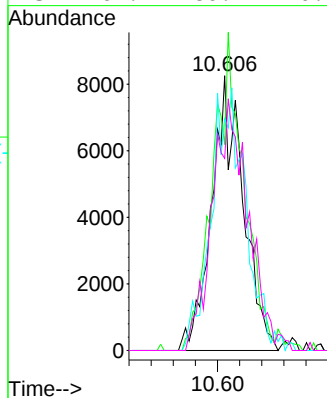
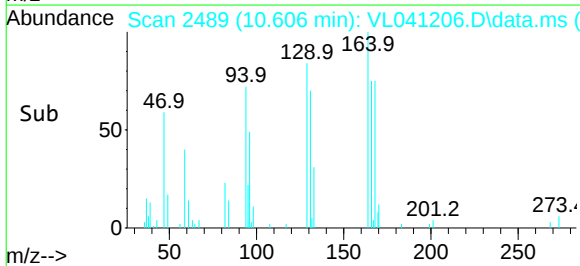
131 69.9 80.4 120.6#

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#53

Toluene

Concen: 0.943 ppbv m

RT: 9.217 min Scan# 2057

Delta R.T. -0.003 min

Lab File: VL041206.D

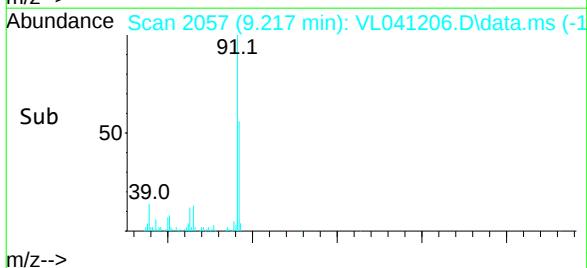
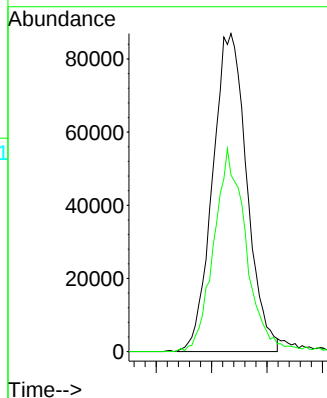
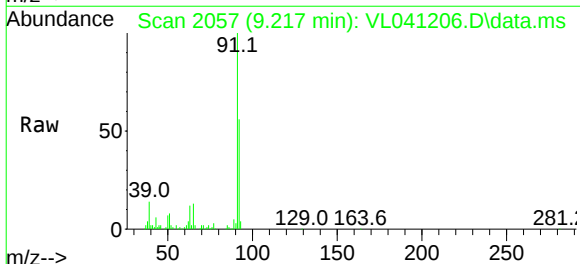
Acq: 2 May 2024 22:06

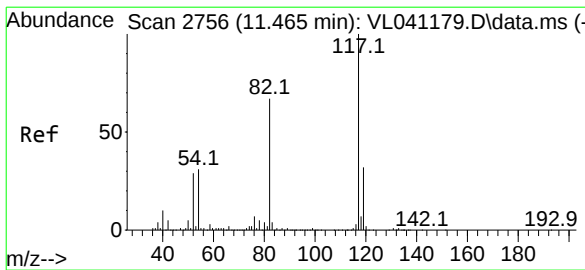
Tgt Ion: 91 Resp: 186380

Ion Ratio Lower Upper

91 100

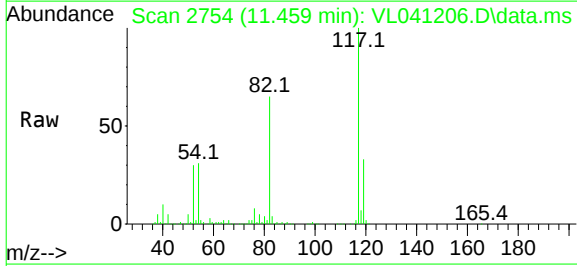
92 60.9 48.2 72.4





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.459 min Scan# 2756
Delta R.T. -0.006 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

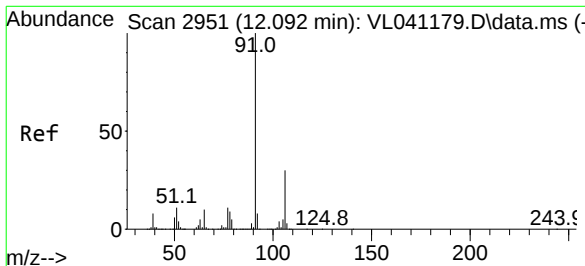
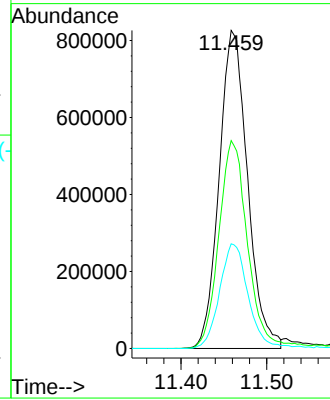
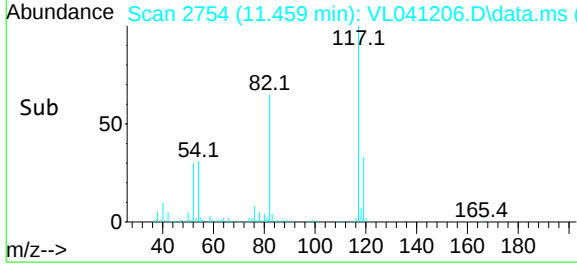
Instrument : MSVOA_L
ClientSampleId : BA-03-IA04-20240425



Tgt Ion:117 Resp: 1901592
Ion Ratio Lower Upper
117 100
82 68.2 53.6 80.4
119 33.8 27.2 40.8

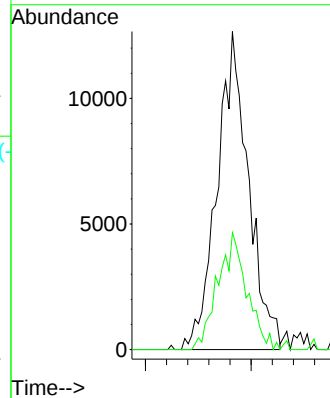
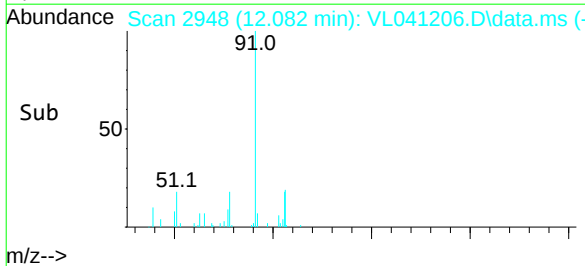
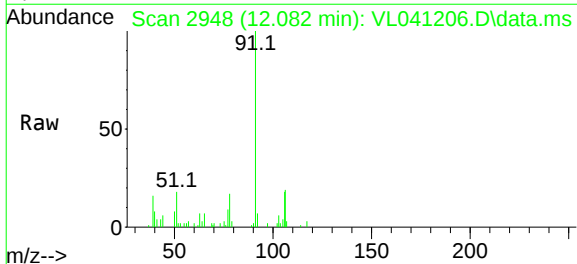
Manual Integrations
APPROVED

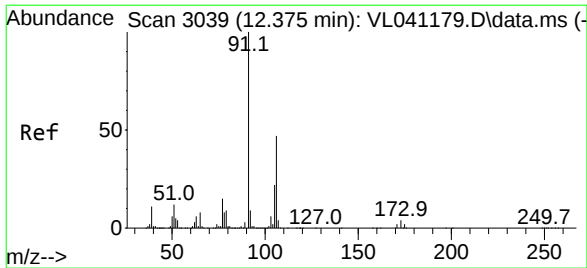
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#58
Ethyl Benzene
Concen: 0.100 ppbv m
RT: 12.082 min Scan# 2948
Delta R.T. -0.003 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

Tgt Ion: 91 Resp: 26071
Ion Ratio Lower Upper
91 100
106 18.8 24.3 36.5#





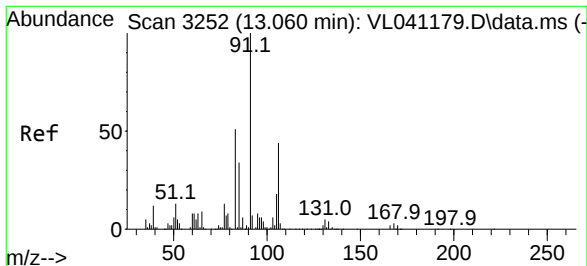
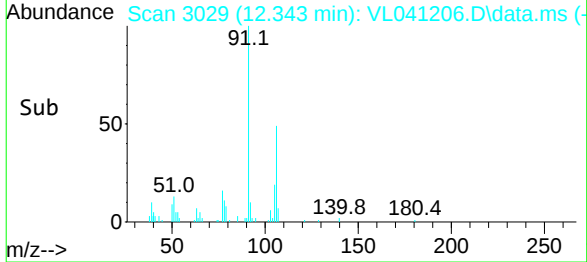
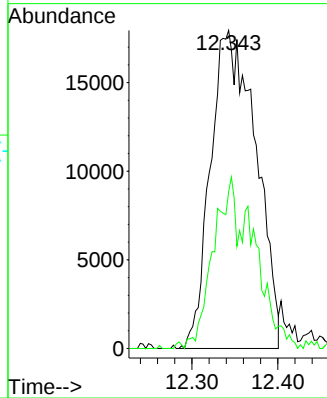
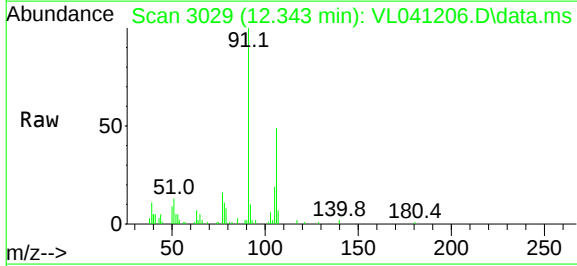
#59
m/p-Xylene
Concen: 0.300 ppbv m
RT: 12.343 min Scan# 3039
Delta R.T. -0.029 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

Instrument : MSVOA_L
ClientSampleId : BA-03-IA04-20240425

Tgt Ion: 91 Resp: 65711
Ion Ratio Lower Upper
91 100
106 0.0 35.7 53.5#

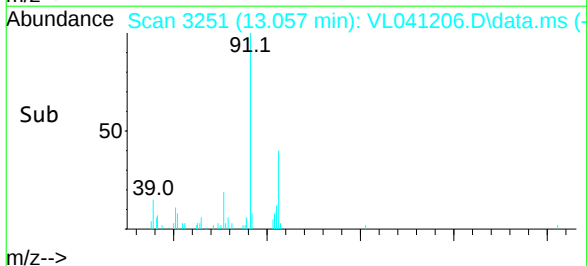
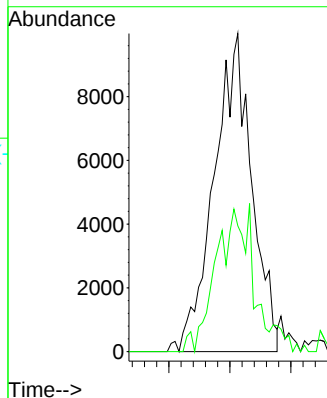
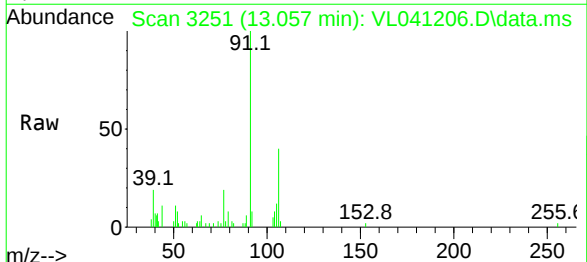
Manual Integrations
APPROVED

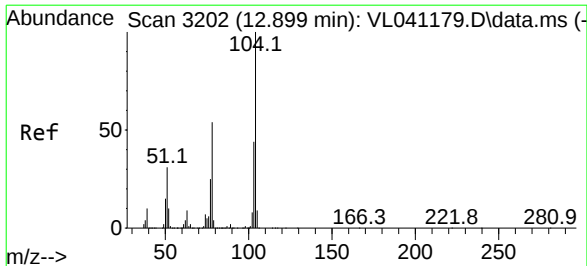
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#60
o-Xylene
Concen: 0.104 ppbv m
RT: 13.057 min Scan# 3251
Delta R.T. 0.000 min
Lab File: VL041206.D
Acq: 2 May 2024 22:06

Tgt Ion: 91 Resp: 21301
Ion Ratio Lower Upper
91 100
106 0.0 22.4 67.3#





#61

Styrene

Concen: 0.124 ppbv m

RT: 12.896 min Scan# 3202

Delta R.T. 0.000 min

Lab File: VL041206.D

Acq: 2 May 2024 22:06

Instrument :

MSVOA_L

ClientSampleId :

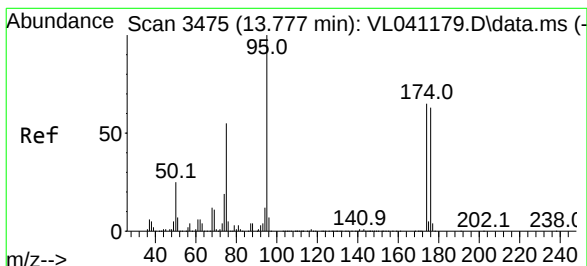
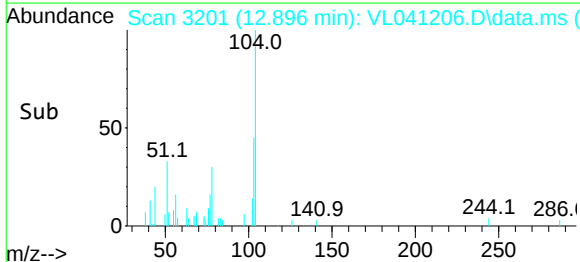
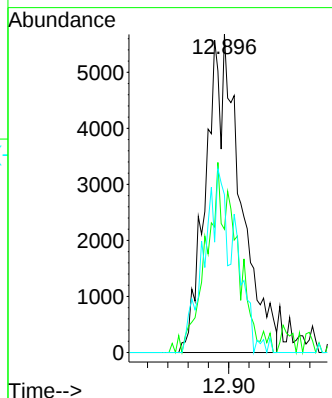
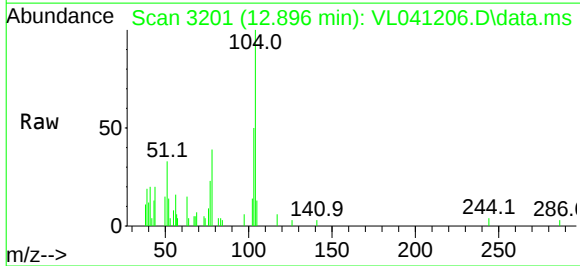
BA-03-IA04-20240425

Tgt Ion:	104	Resp:	13439
Ion Ratio	Lower	Upper	
104	100		
78	52.3	42.6	63.8
103	52.1	38.4	57.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#68

1-Bromo-4-Fluorobenzene

Concen: 9.951 ppbv

RT: 13.774 min Scan# 3474

Delta R.T. 0.000 min

Lab File: VL041206.D

Acq: 2 May 2024 22:06

Tgt Ion:	95	Resp:	1428633
Ion Ratio	Lower	Upper	
95	100		
174	67.7	53.6	80.4
175	4.9	4.2	6.4

