

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
 Data File : VL041201.D
 Acq On : 2 May 2024 18:39
 Operator : SY/MD
 Sample : P2334-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BA-20-IA01-20240425

Manual Integrations
 APPROVED

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

Quant Time: May 03 03:43:03 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	5.195	49	853318	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2154209	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	1973796	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1439426	9.660	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.600%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.735	85	56752	0.492	ppbv	100
4) Chloromethane	2.816	50	30190	0.594	ppbv	95
9) Propene	2.710	41	85704m	1.690	ppbv	
10) Heptane	7.587	43	15737m	0.128	ppbv	
11) Trichlorofluoromethane	3.565	101	30008	0.256	ppbv	92
13) Ethanol	3.240	45	454385	39.965	ppbv	100
15) Acetone	3.468	43	937458m	9.309	ppbv	
19) Isopropyl Alcohol	3.587	45	77969m	1.180	ppbv	
20) Methylene Chloride	3.935	84	1455026	41.548	ppbv	99
26) Hexane	5.218	57	1266876	14.123	ppbv #	41
34) 2-Butanone	4.793	43	151097	1.378	ppbv	99
35) Carbon Tetrachloride	6.491	117	9155m	0.076	ppbv	
36) Benzene	6.372	78	36278	0.201	ppbv #	90
41) Tetrahydrofuran	5.568	42	21920m	0.276	ppbv	
44) 2,2,4-Trimethylpentane	7.330	57	33093m	0.106	ppbv	
52) Tetrachloroethene	10.619	164	4410m	0.069	ppbv	
53) Toluene	9.224	91	285597	1.362	ppbv	99
58) Ethyl Benzene	12.089	91	29321m	0.108	ppbv	
59) m/p-Xylene	12.349	91	75865m	0.334	ppbv	
60) o-Xylene	13.056	91	23757	0.111	ppbv	94
61) Styrene	12.899	104	19293m	0.171	ppbv	
74) 1,2,4-Trimethylbenzene	16.111	105	26169m	0.110	ppbv	

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

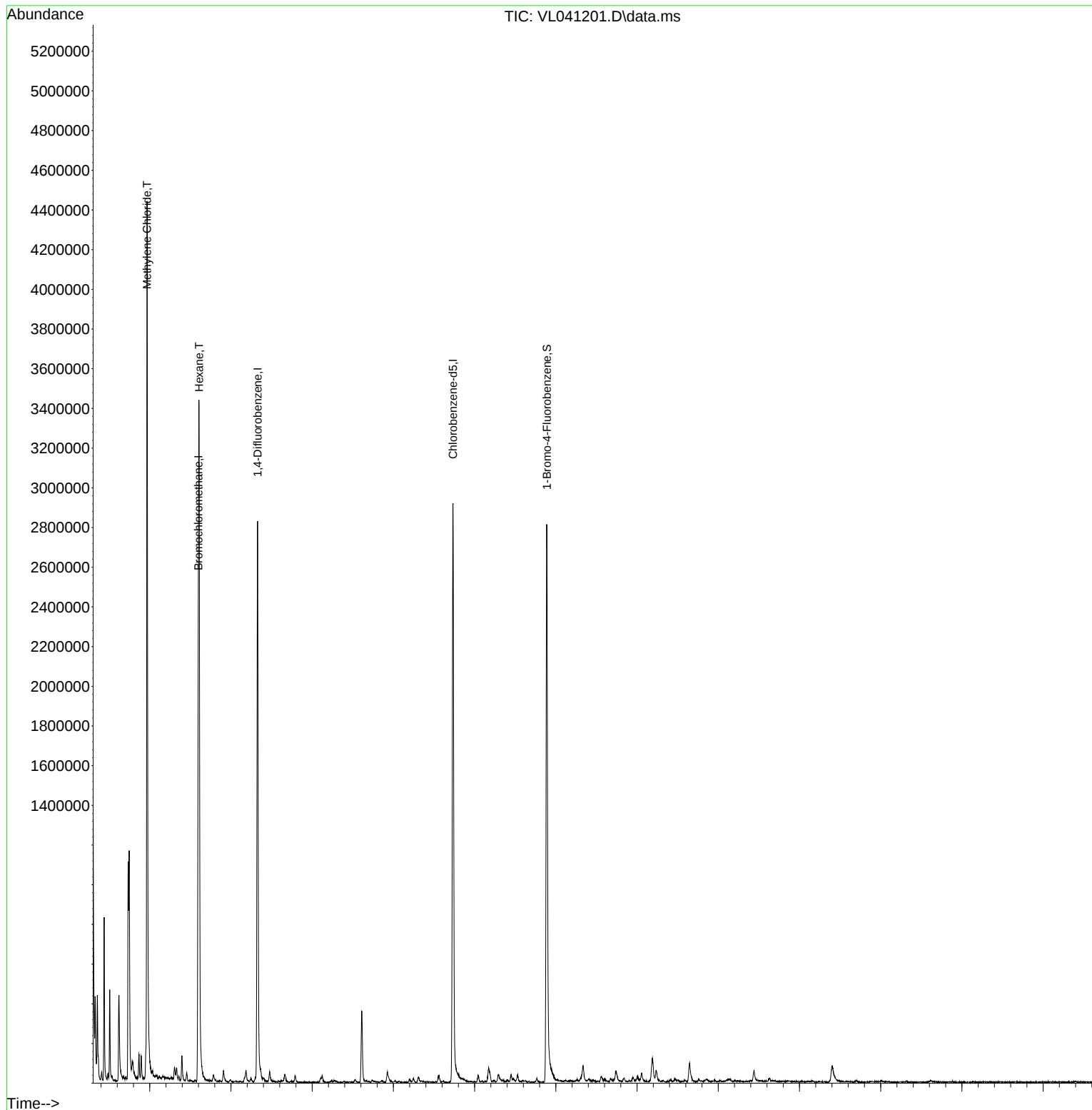
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL050224\
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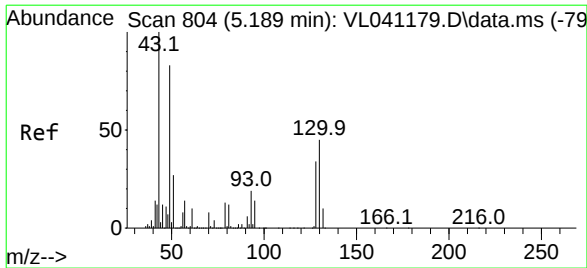
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: May 03 03:43:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL042924AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri May 03 03:34:47 2024
Response via : Initial Calibration





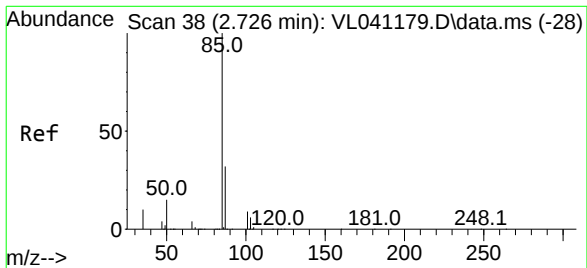
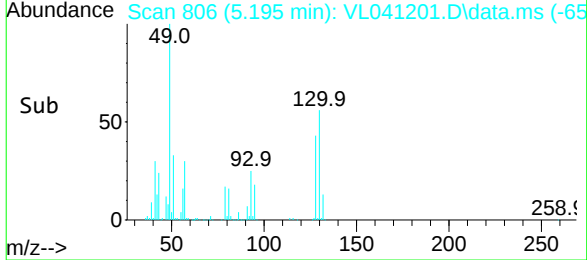
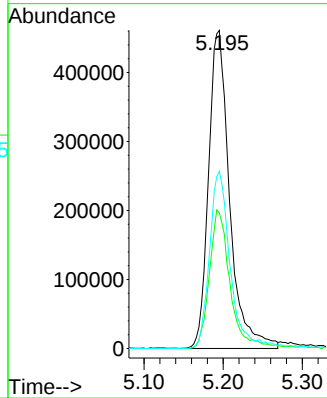
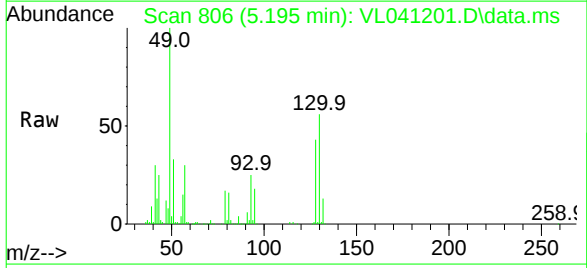
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA01-20240425

Tgt Ion: 49 Resp: 853318
Ion Ratio Lower Upper
49 100
128 43.4 21.5 64.5
130 56.4 27.2 81.6

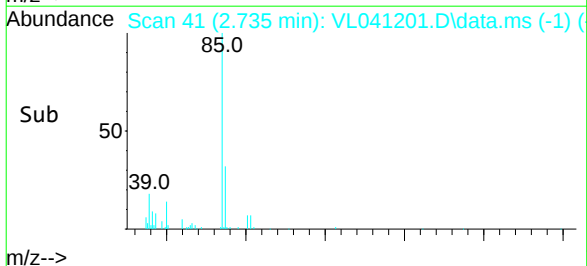
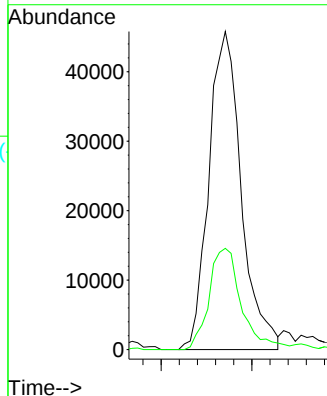
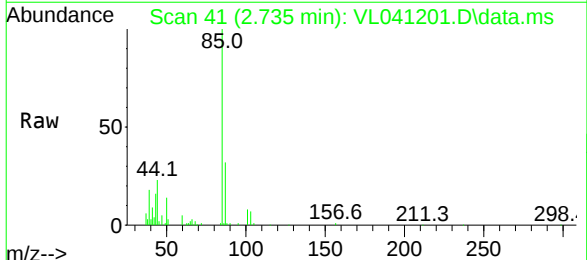
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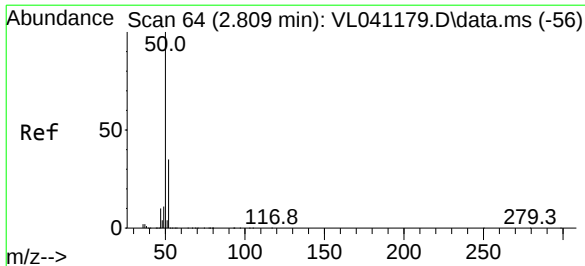
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#2
Dichlorodifluoromethane
Concen: 0.492 ppbv
RT: 2.735 min Scan# 41
Delta R.T. 0.007 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

Tgt Ion: 85 Resp: 56752
Ion Ratio Lower Upper
85 100
87 31.8 25.7 38.5





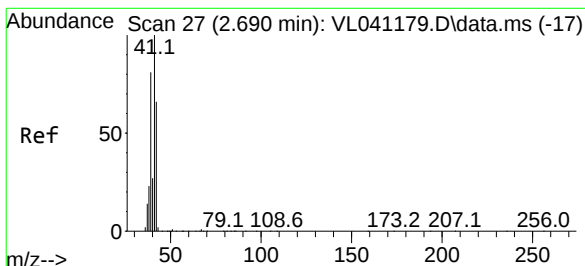
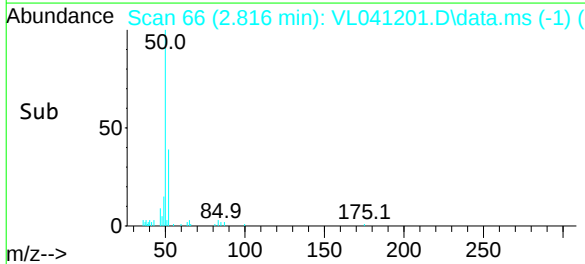
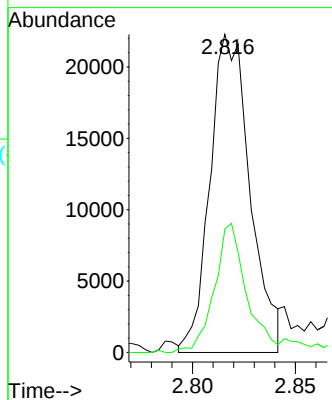
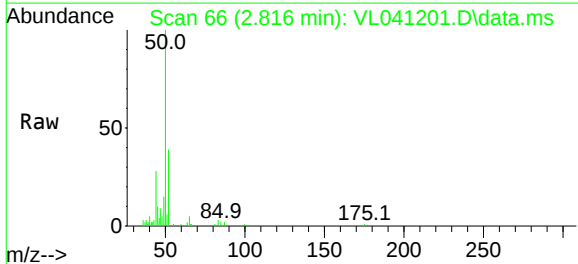
#4
Chloromethane
Concen: 0.594 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA01-20240425

Tgt Ion: 50 Resp: 30190
Ion Ratio Lower Upper
50 100
52 38.5 28.3 42.5

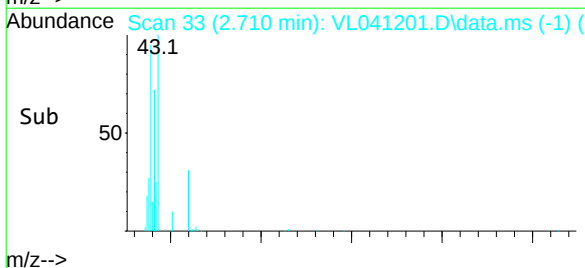
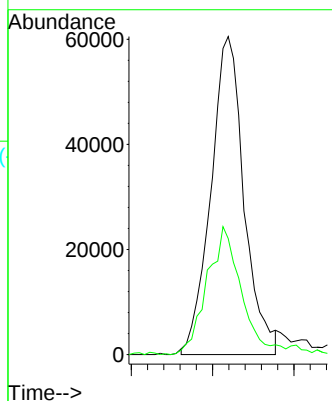
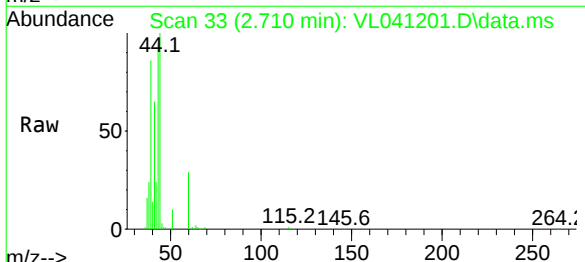
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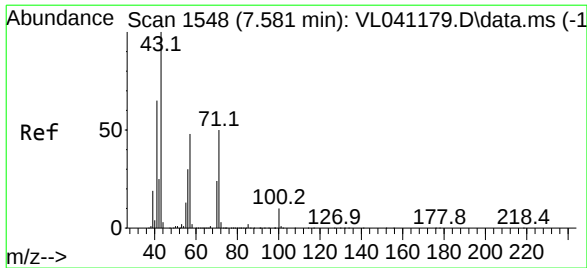
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#9
Propene
Concen: 1.690 ppbv m
RT: 2.710 min Scan# 33
Delta R.T. 0.016 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

Tgt Ion: 41 Resp: 85704
Ion Ratio Lower Upper
41 100
42 166.6 55.3 82.9





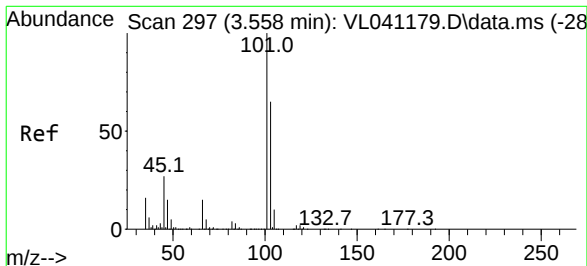
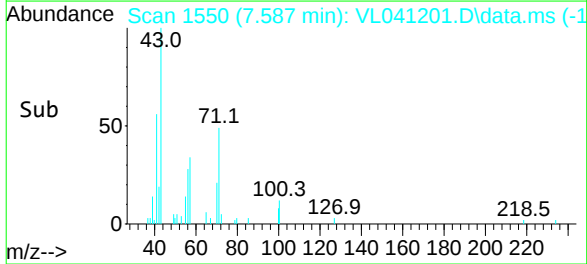
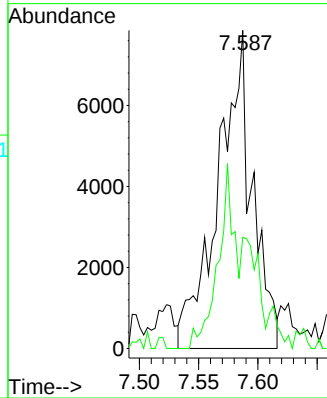
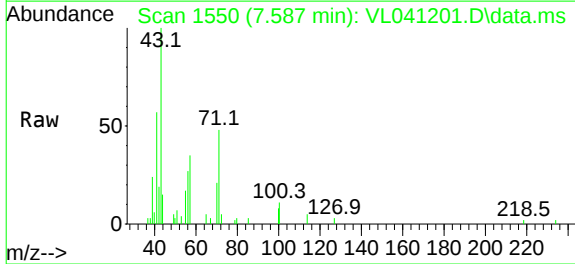
#10
Heptane
Concen: 0.128 ppbv m
RT: 7.587 min Scan# 15
Delta R.T. 0.007 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA01-20240425

Tgt Ion: 43 Resp: 15737
Ion Ratio Lower Upper
43 100
57 0.0 38.7 58.1#

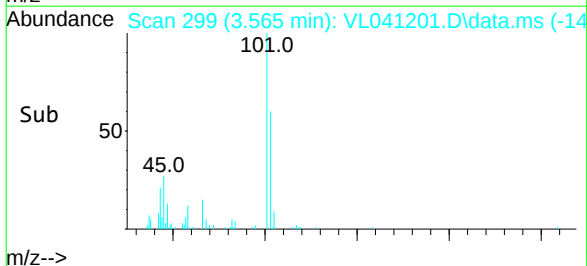
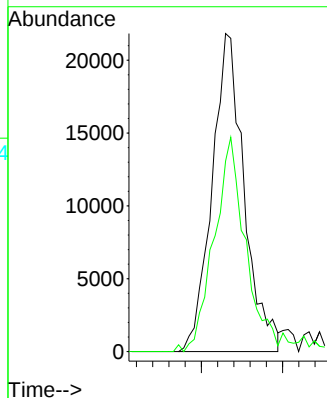
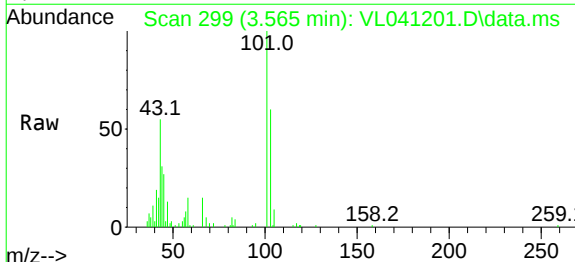
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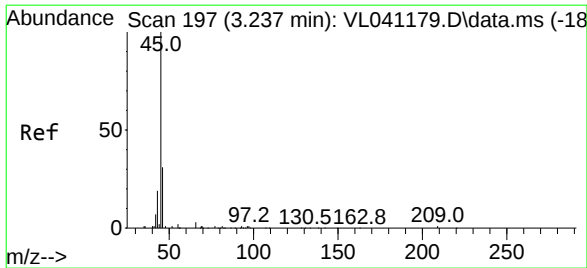
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#11
Trichlorofluoromethane
Concen: 0.256 ppbv
RT: 3.565 min Scan# 299
Delta R.T. 0.007 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

Tgt Ion:101 Resp: 30008
Ion Ratio Lower Upper
101 100
103 58.1 51.6 77.4





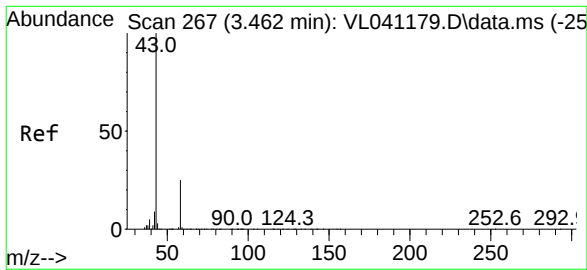
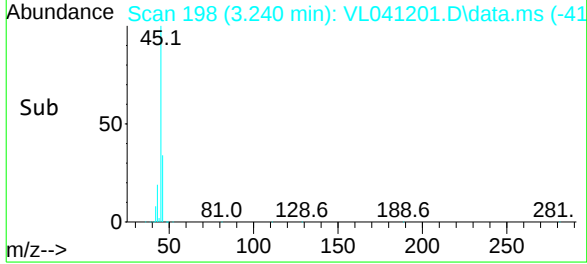
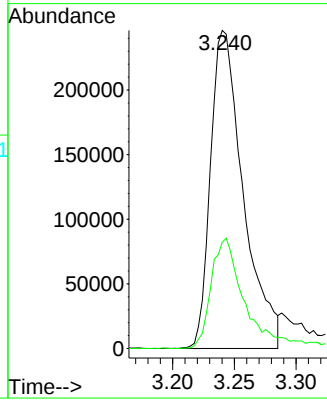
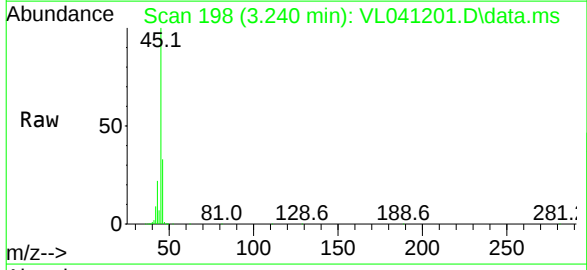
#13
Ethanol
Concen: 39.965 ppbv
RT: 3.240 min Scan# 197
Delta R.T. 0.003 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA01-20240425

Tgt Ion: 45 Resp: 454385
Ion Ratio Lower Upper
45 100
46 36.9 14.8 59.0

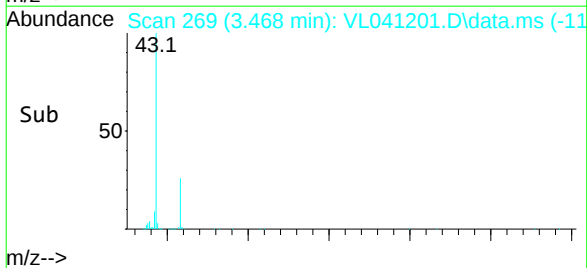
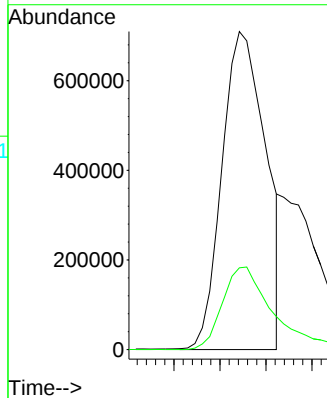
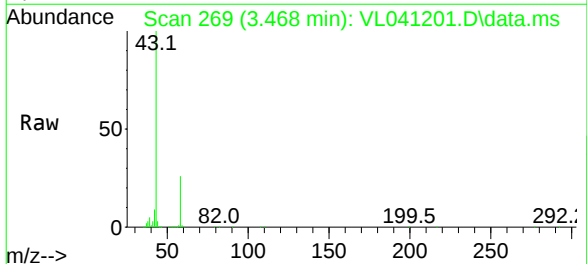
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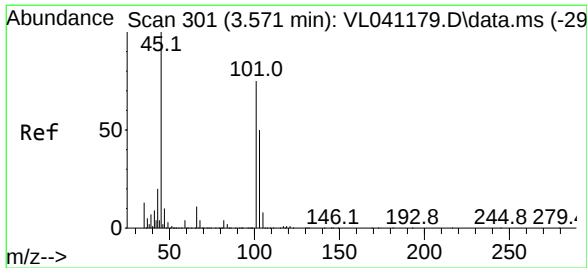
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#15
Acetone
Concen: 9.309 ppbv m
RT: 3.468 min Scan# 269
Delta R.T. 0.003 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

Tgt Ion: 43 Resp: 937458
Ion Ratio Lower Upper
43 100
58 32.2 21.4 32.0#





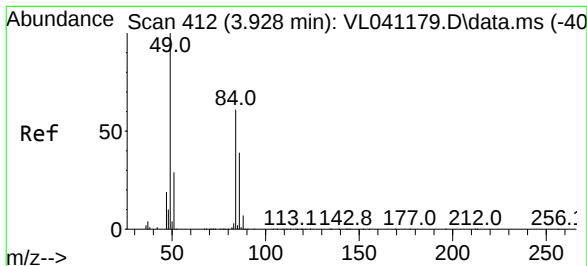
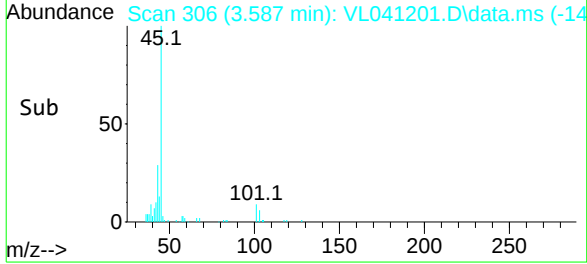
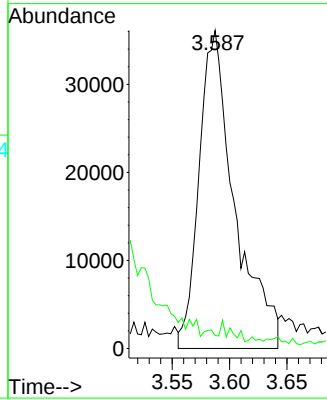
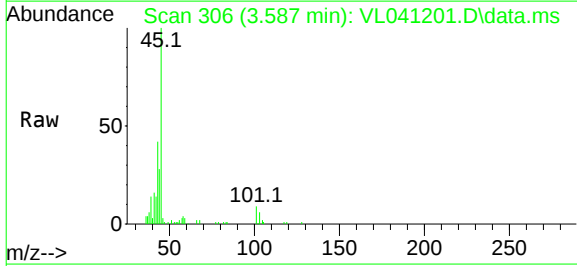
#19
Isopropyl Alcohol
Concen: 1.180 ppbv m
RT: 3.587 min Scan# 301
Delta R.T. 0.016 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

Instrument : MSVOA_L
ClientSampleId : BA-20-IA01-20240425

Tgt Ion: 45 Resp: 77969
Ion Ratio Lower Upper
45 100
58 387.6 26.8 40.2#

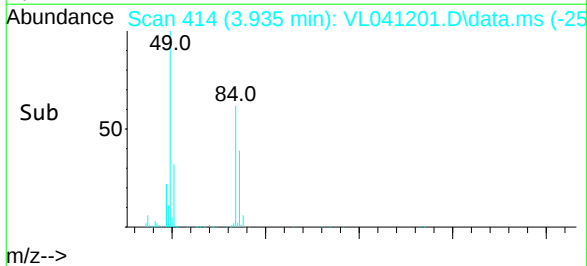
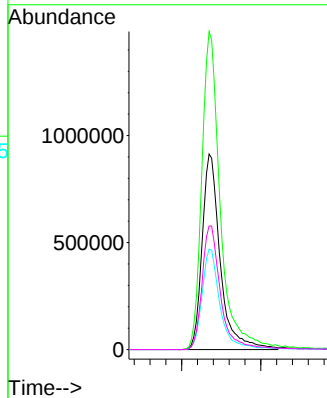
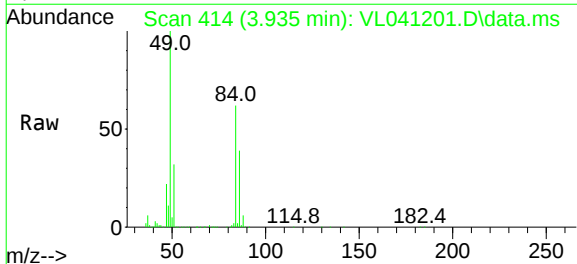
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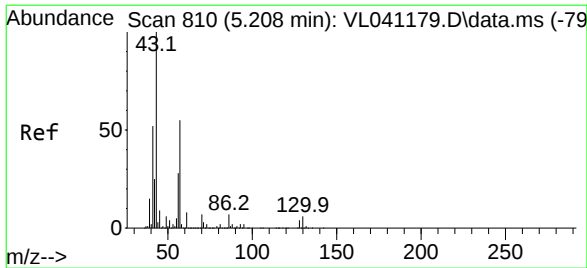
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#20
Methylene Chloride
Concen: 41.548 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.003 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

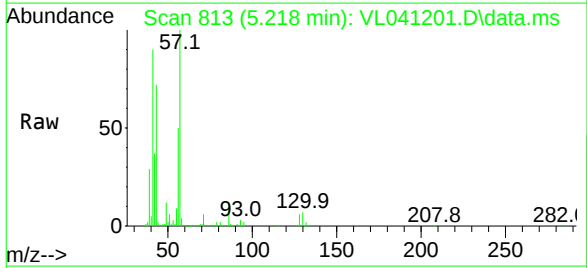
Tgt Ion: 84 Resp: 1455026
Ion Ratio Lower Upper
84 100
49 162.5 130.4 195.6
51 51.4 38.0 57.0
86 63.2 50.3 75.5





#26
Hexane
Concen: 14.123 ppbv
RT: 5.218 min Scan# 810
Delta R.T. 0.007 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

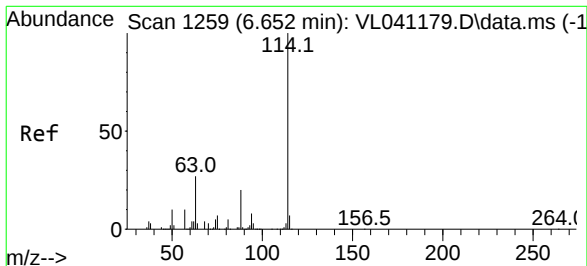
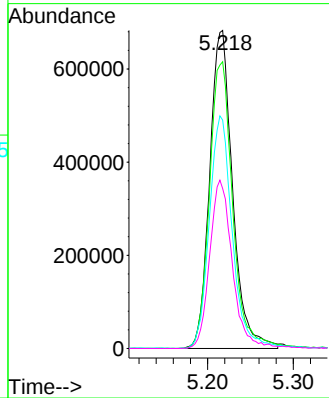
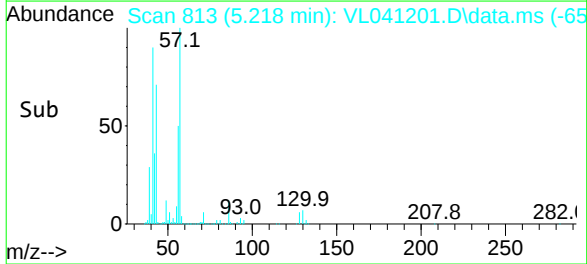
Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA01-20240425



Tgt Ion: 57 Resp: 1266876
Ion Ratio Lower Upper
57 100
41 92.4 75.8 113.8
43 73.9 187.0 280.4#
56 52.8 42.7 64.1

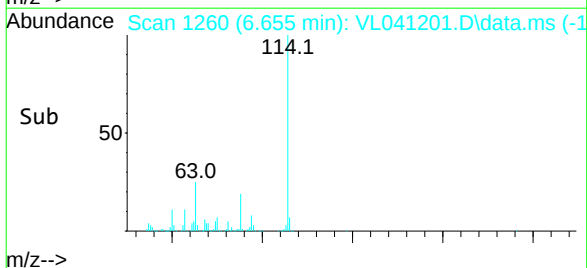
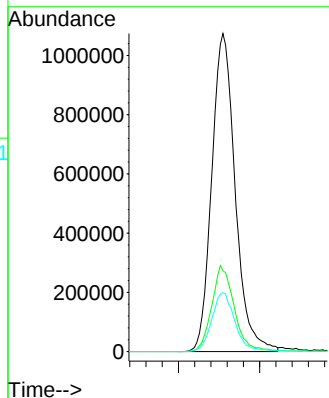
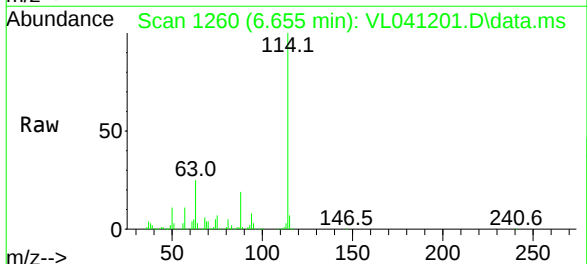
Manual Integrations
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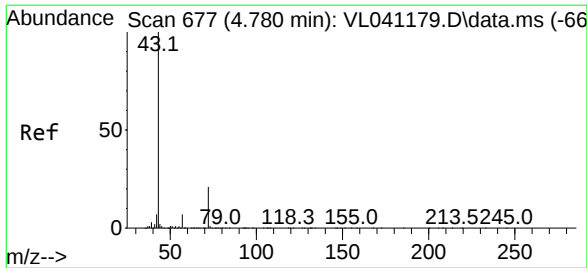
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 1260
Delta R.T. 0.003 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

Tgt Ion:114 Resp: 2154209
Ion Ratio Lower Upper
114 100
63 26.3 21.8 32.6
88 18.5 15.2 22.8





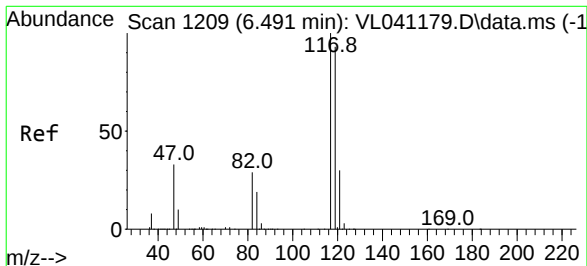
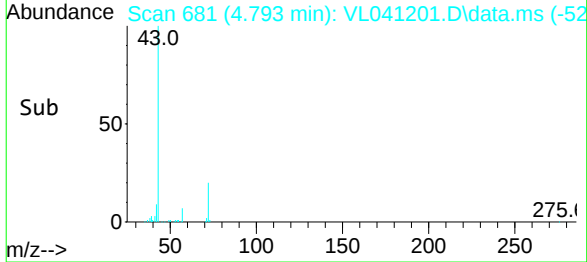
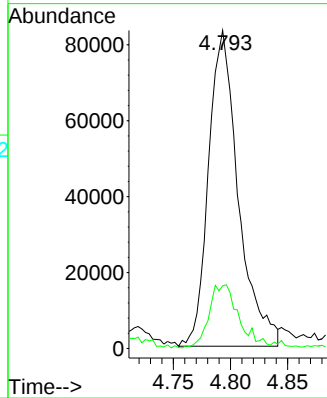
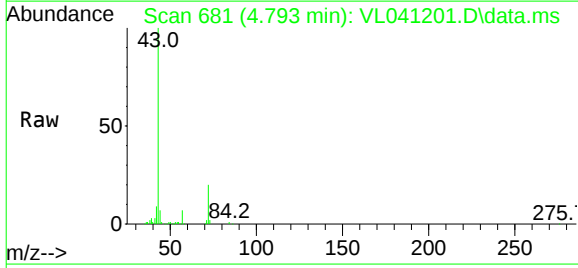
#34
2-Butanone
Concen: 1.378 ppbv
RT: 4.793 min Scan# 681
Delta R.T. 0.010 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA01-20240425

Tgt Ion: 43 Resp: 151097
Ion Ratio Lower Upper
43 100
72 21.1 17.3 25.9

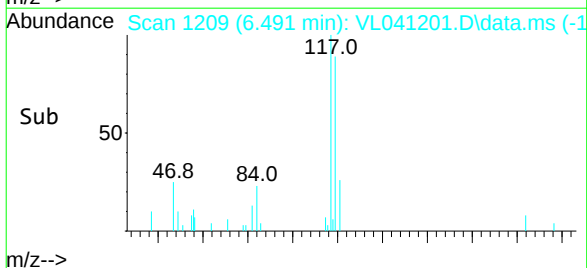
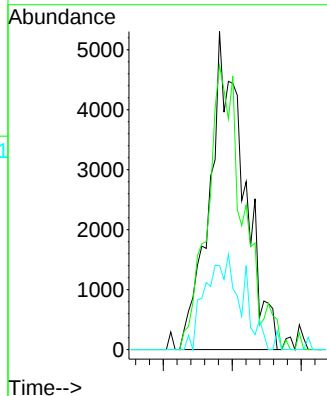
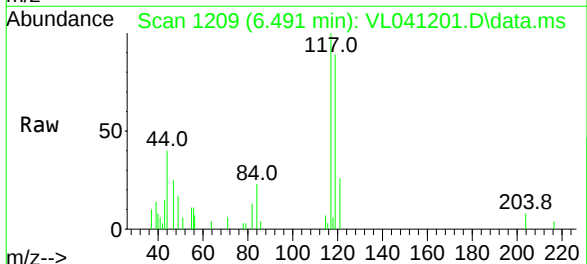
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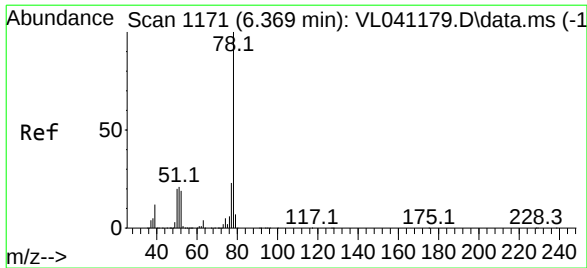
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#35
Carbon Tetrachloride
Concen: 0.076 ppbv m
RT: 6.491 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

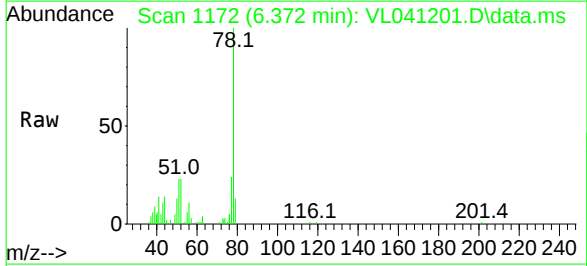
Tgt Ion:117 Resp: 9155
Ion Ratio Lower Upper
117 100
119 89.4 74.3 111.5
121 26.4 23.8 35.8





#36
Benzene
Concen: 0.201 ppbv
RT: 6.372 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

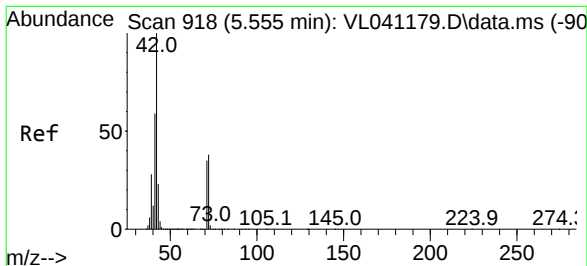
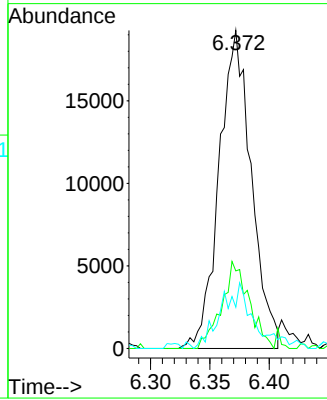
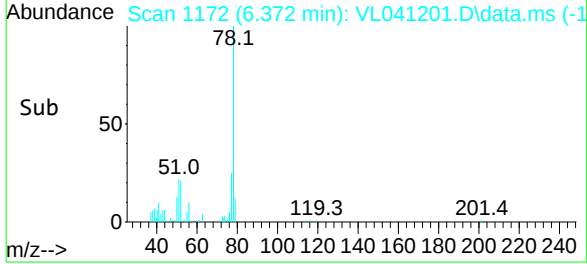
Instrument : MSVOA_L
ClientSampleId : BA-20-IA01-20240425



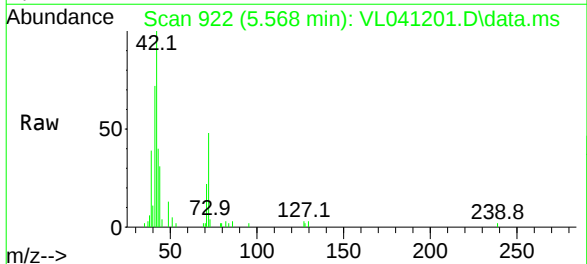
Tgt Ion: 78 Resp: 36278
Ion Ratio Lower Upper
78 100
77 24.4 18.3 27.5
50 11.7 15.9 23.9#

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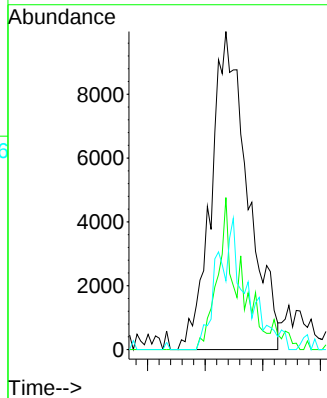
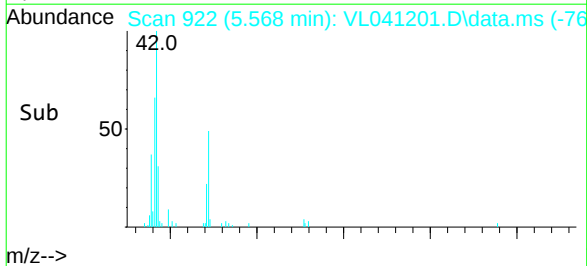
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024

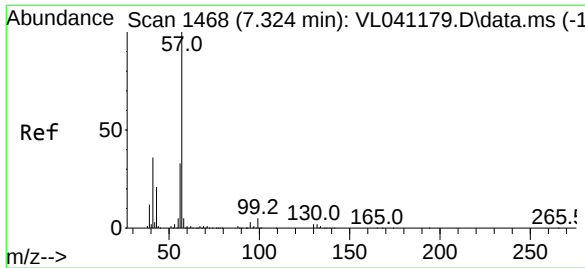


#41
Tetrahydrofuran
Concen: 0.276 ppbv m
RT: 5.568 min Scan# 922
Delta R.T. 0.016 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39



Tgt Ion: 42 Resp: 21920
Ion Ratio Lower Upper
42 100
72 31.4 29.4 44.0
71 0.0 29.1 43.7#





#44

2,2,4-Trimethylpentane

Concen: 0.106 ppbv m

RT: 7.330 min Scan# 1468

Delta R.T. 0.003 min

Lab File: VL041201.D

Acq: 2 May 2024 18:39

Instrument :

MSVOA_L

ClientSampleId :

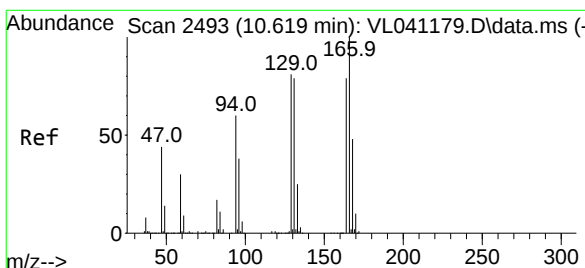
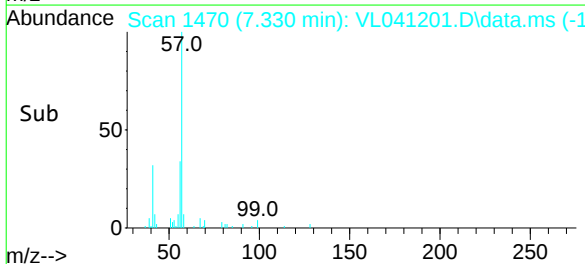
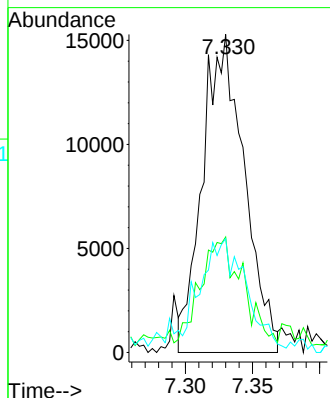
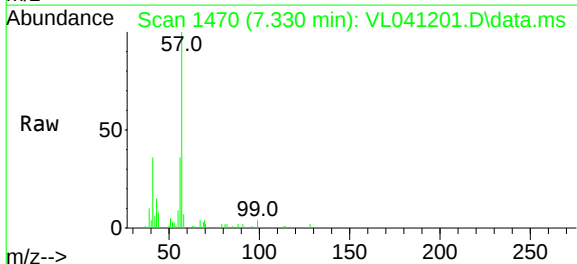
BA-20-IA01-20240425

Tgt Ion	57	Ratio	100	Resp	33093	Lower	Upper
57	100						
41	42.5			29.5	44.3		
56	43.4			25.3	37.9#		

Manual Integrations

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



#52

Tetrachloroethene

Concen: 0.069 ppbv m

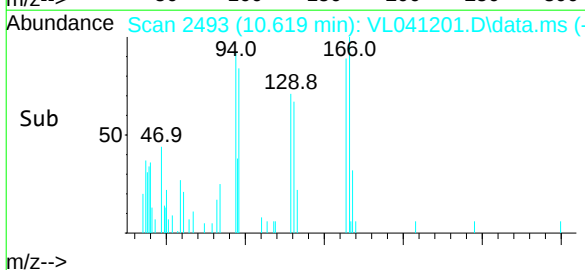
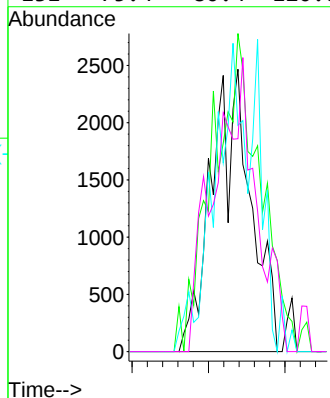
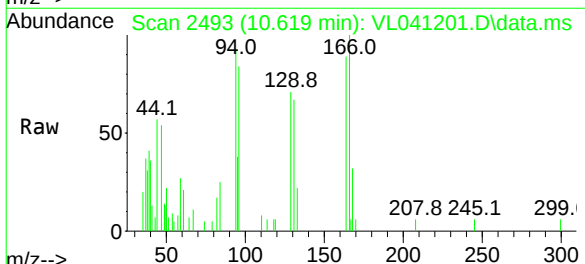
RT: 10.619 min Scan# 2493

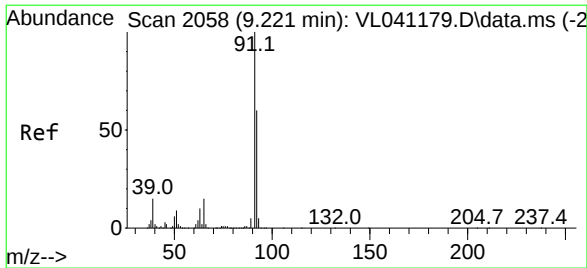
Delta R.T. 0.007 min

Lab File: VL041201.D

Acq: 2 May 2024 18:39

Tgt Ion	164	Ratio	100	Resp	4410	Lower	Upper
164	100						
166	112.6			101.1	151.7		
129	80.1			81.7	122.5#		
131	75.4			80.4	120.6#		





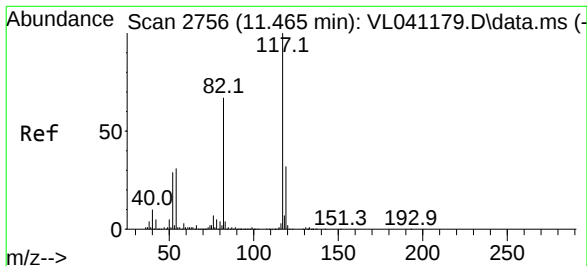
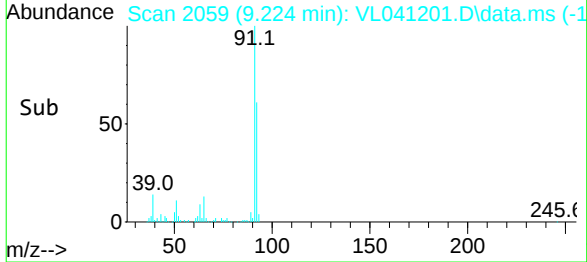
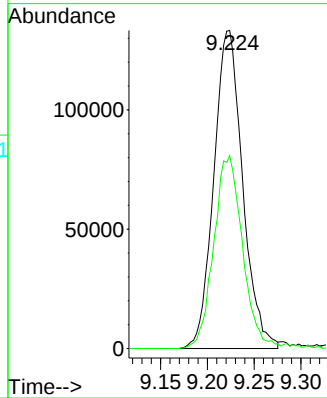
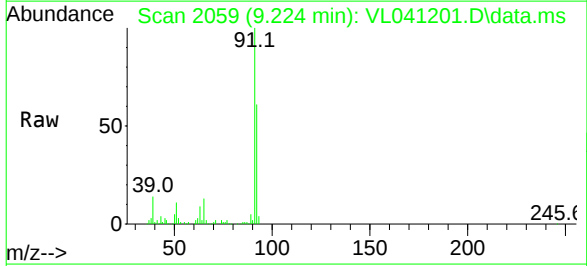
#53
Toluene
Concen: 1.362 ppbv
RT: 9.224 min Scan# 2058
Delta R.T. 0.003 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA01-20240425

Tgt Ion: 91 Resp: 285597
Ion Ratio Lower Upper
91 100
92 61.2 48.2 72.4

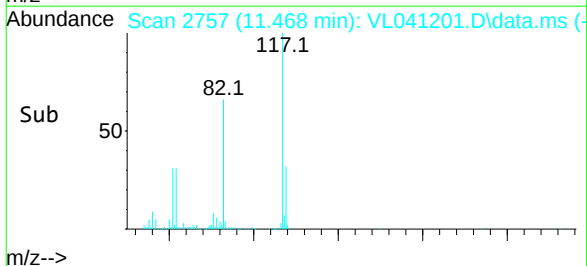
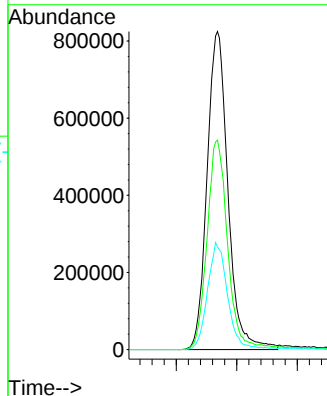
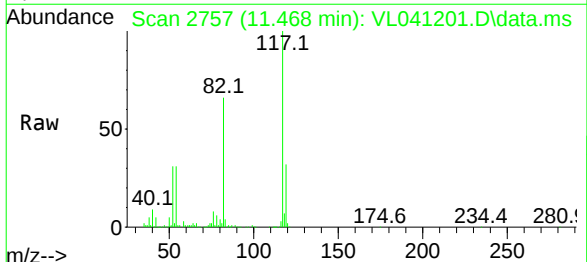
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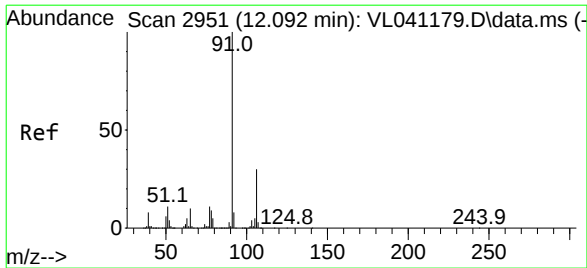
Reviewed By :Semsettin Yesilyurt 05/06/2024
Supervised By :Mahesh Dadoda 05/07/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.468 min Scan# 2757
Delta R.T. 0.003 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

Tgt Ion:117 Resp: 1973796
Ion Ratio Lower Upper
117 100
82 65.8 53.6 80.4
119 32.5 27.2 40.8





#58

Ethyl Benzene

Concen: 0.108 ppbv m

RT: 12.089 min Scan# 29

Delta R.T. 0.003 min

Lab File: VL041201.D

Acq: 2 May 2024 18:39

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA01-20240425

Tgt Ion: 91 Resp: 29321

Ion Ratio Lower Upper

91 100

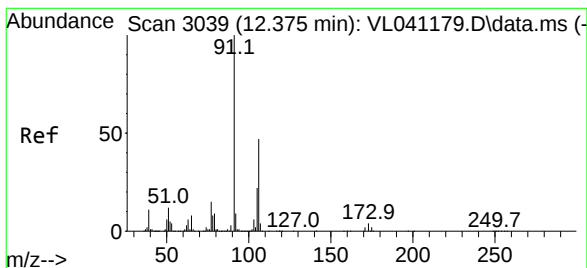
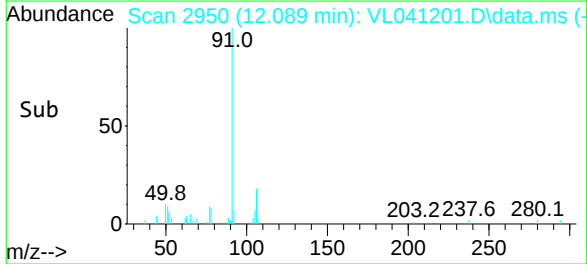
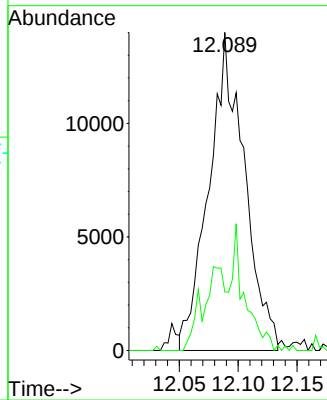
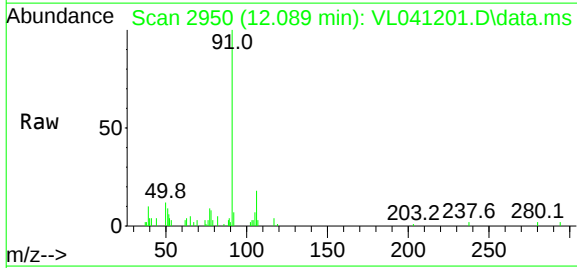
106 18.4 24.3 36.5#

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#59

m/p-Xylene

Concen: 0.334 ppbv m

RT: 12.349 min Scan# 3031

Delta R.T. -0.022 min

Lab File: VL041201.D

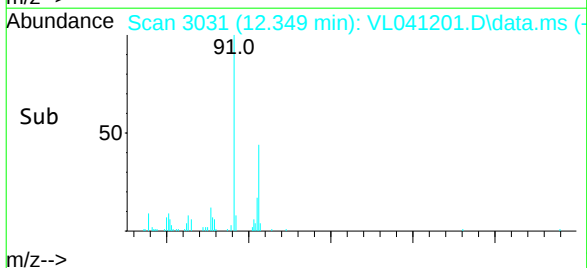
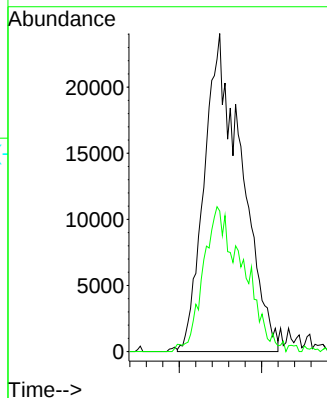
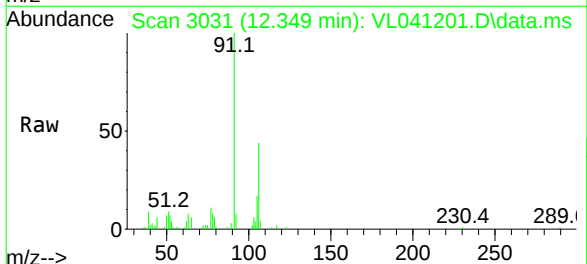
Acq: 2 May 2024 18:39

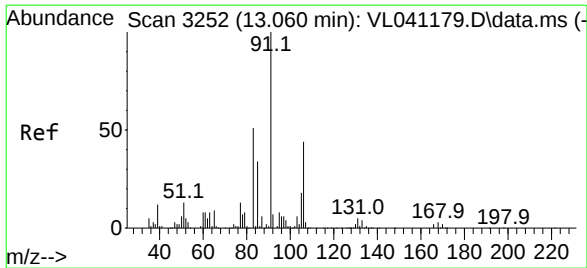
Tgt Ion: 91 Resp: 75865

Ion Ratio Lower Upper

91 100

106 0.0 35.7 53.5#





#60

o-Xylene

Concen: 0.111 ppbv

RT: 13.056 min Scan# 3251

Delta R.T. 0.000 min

Lab File: VL041201.D

Acq: 2 May 2024 18:39

Instrument :

MSVOA_L

ClientSampleId :

BA-20-IA01-20240425

Tgt Ion: 91 Resp: 23757

Ion Ratio Lower Upper

91 100

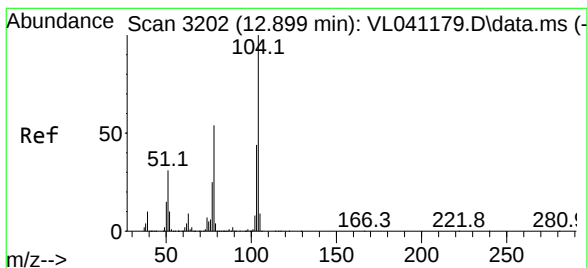
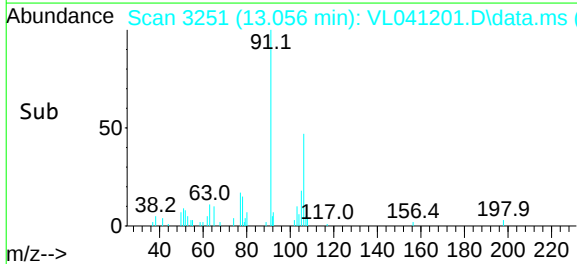
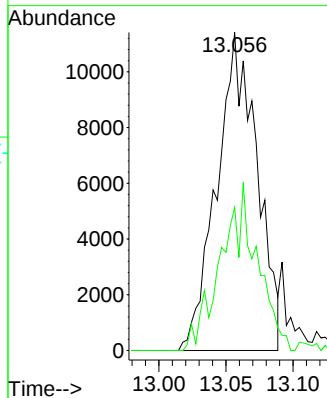
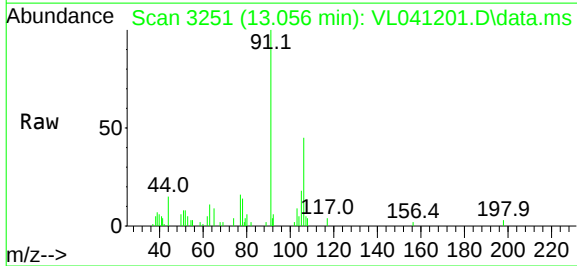
106 48.5 22.4 67.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 05/06/2024

Supervised By :Mahesh Dadoda 05/07/2024



#61

Styrene

Concen: 0.171 ppbv m

RT: 12.899 min Scan# 3202

Delta R.T. 0.003 min

Lab File: VL041201.D

Acq: 2 May 2024 18:39

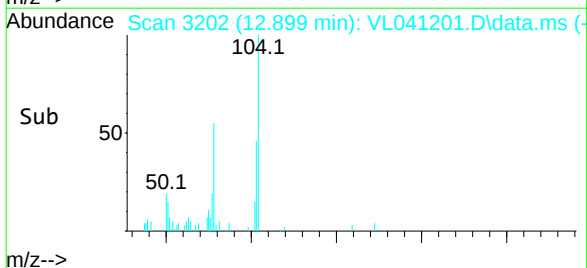
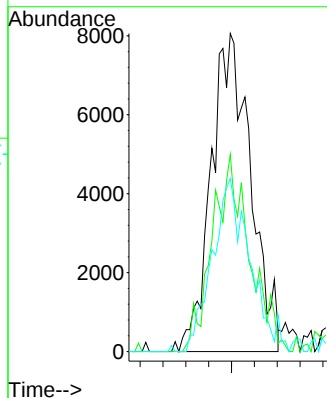
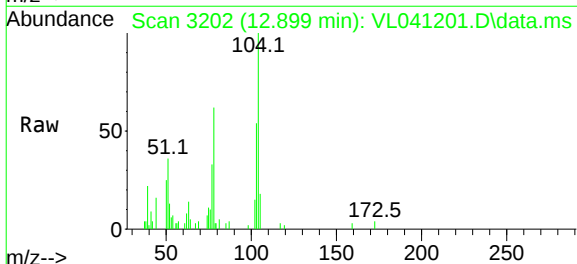
Tgt Ion:104 Resp: 19293

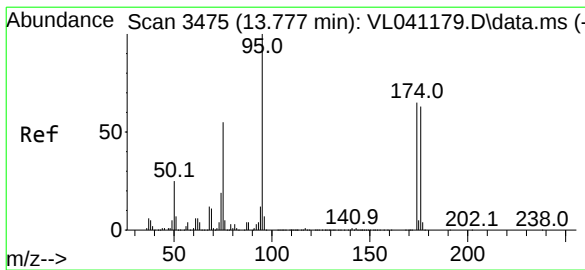
Ion Ratio Lower Upper

104 100

78 58.6 42.6 63.8

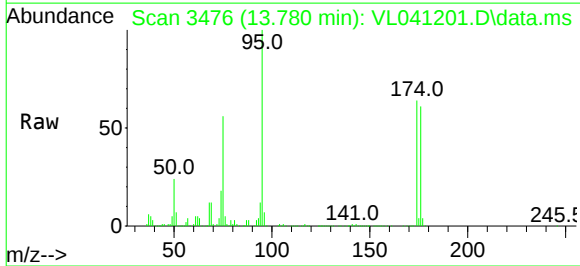
103 53.0 38.4 57.6





#68
1-Bromo-4-Fluorobenzene
Concen: 9.660 ppbv
RT: 13.780 min Scan# 3475
Delta R.T. 0.007 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39

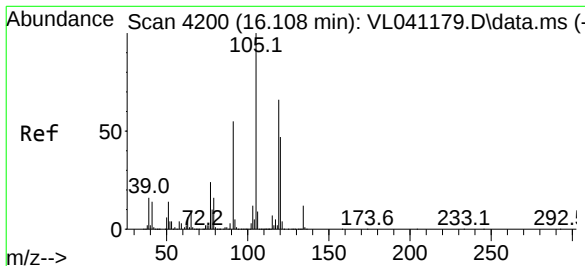
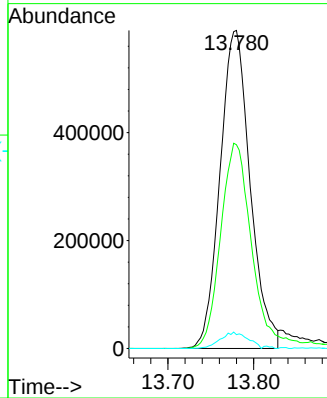
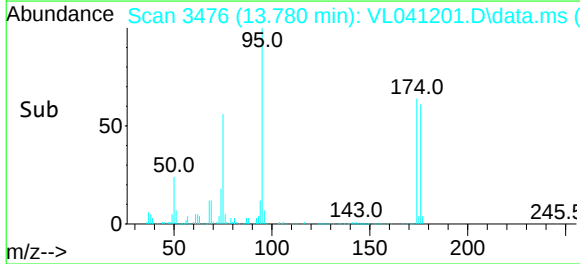
Instrument :
MSVOA_L
ClientSampleId :
BA-20-IA01-20240425



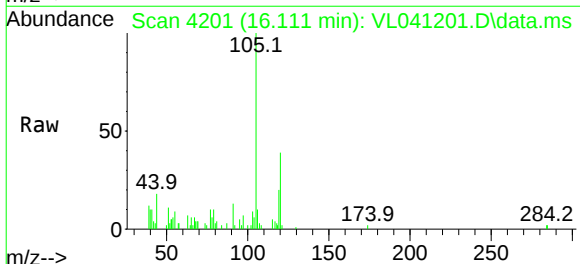
Tgt Ion: 95 Resp: 1439426
Ion Ratio Lower Upper
95 100
174 69.8 53.6 80.4
175 4.9 4.2 6.4

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



#74
1,2,4-Trimethylbenzene
Concen: 0.110 ppbv m
RT: 16.111 min Scan# 4201
Delta R.T. 0.007 min
Lab File: VL041201.D
Acq: 2 May 2024 18:39



Tgt Ion:105 Resp: 26169
Ion Ratio Lower Upper
105 100
120 39.0 37.8 56.6
91 12.6 44.3 66.5#
77 10.4 19.0 28.4#

