

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
 Data File : VL041052.D
 Acq On : 9 Feb 2024 11:06
 Operator : SY/MD
 Sample : P1420-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS2R

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/12/2024
 Supervised By :Mahesh Dadoda 02/12/2024

Quant Time: Feb 12 00:44:15 2024

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M

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

QLast Update : Mon Feb 12 00:40:04 2024

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.179	49	1108946	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.642	114	2885148	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	2643424	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	2160491	10.821	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.200%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.722	85	28600	0.117	ppbv	91
10) Heptane	7.571	43	45998m	0.305	ppbv	
13) Ethanol	3.250	45	18145m	1.244	ppbv	
15) Acetone	3.465	43	332745	2.346	ppbv #	82
20) Methylene Chloride	3.925	84	22852	0.419	ppbv	99
26) Hexane	5.205	57	319478	2.915	ppbv #	39
34) 2-Butanone	4.783	43	254180	1.849	ppbv	95
36) Benzene	6.356	78	33712m	0.141	ppbv	
38) Trichloroethene	7.279	130	3736m	0.039	ppbv	
41) Tetrahydrofuran	5.578	42	11577m	0.124	ppbv	
51) 2-Hexanone	9.549	43	232972m	1.335	ppbv	
52) Tetrachloroethene	10.603	164	1460808	18.461	ppbv	99
53) Toluene	9.211	91	237999	0.912	ppbv	100
58) Ethyl Benzene	12.079	91	133676m	0.377	ppbv	
59) m/p-Xylene	12.330	91	414258	1.339	ppbv	93
60) o-Xylene	13.047	91	198623	0.669	ppbv	95
64) n-propylbenzene	14.912	120	29931m	0.270	ppbv	
65) tert-Butylbenzene	16.098	119	37149m	0.097	ppbv	
67) sec-Butylbenzene	16.619	105	75761m	0.136	ppbv	
72) 4-Ethyltoluene	15.185	105	92343	0.278	ppbv #	96
73) 1,3,5-Trimethylbenzene	15.339	105	125632	0.427	ppbv	97
74) 1,2,4-Trimethylbenzene	16.095	105	271088	0.812	ppbv #	66
79) Naphthalene	21.368	128	24693m	0.130	ppbv	

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

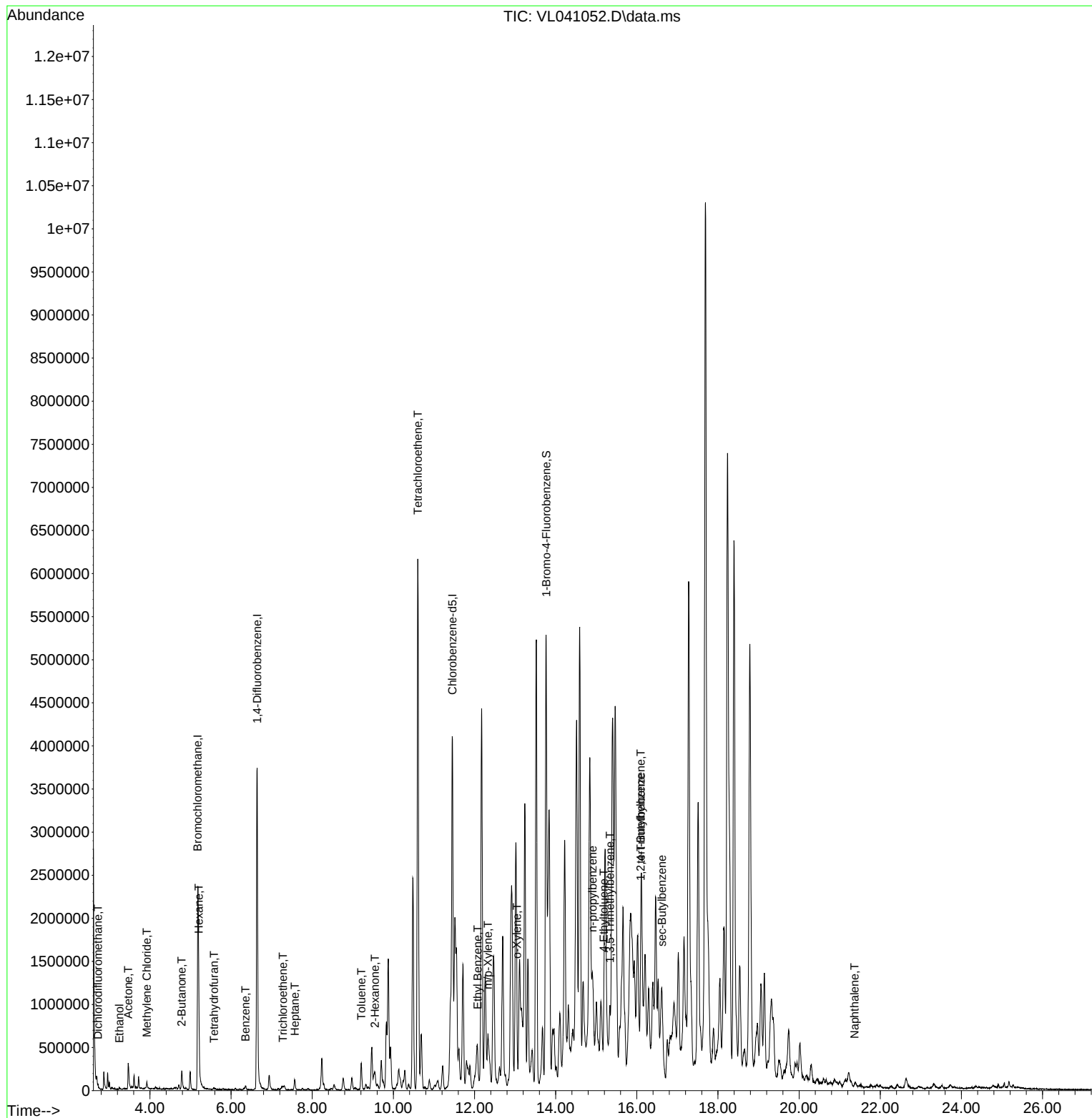
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020924\
Data File : VL041052.D
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Misc : 400mL/MSVOA_L
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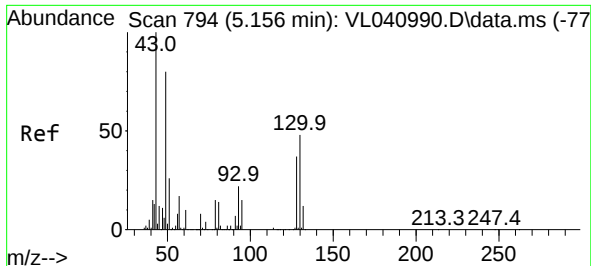
Instrument :
MSVOA_L
ClientSampleId :
SS2R

Quant Time: Feb 12 00:44:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL012324AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Feb 12 00:40:04 2024
Response via : Initial Calibration

Manual Integrations
APPROVED

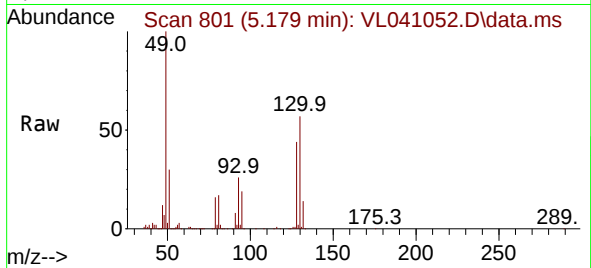
Reviewed By : Semsettin Yesilyurt 02/12/2024
Supervised By : Mahesh Dadoda 02/12/2024





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.179 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

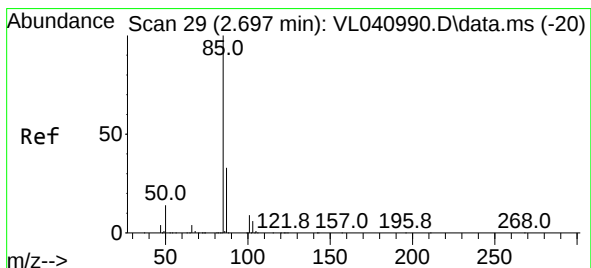
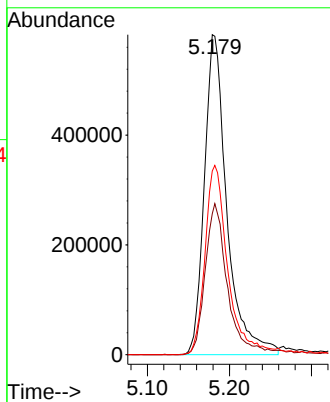
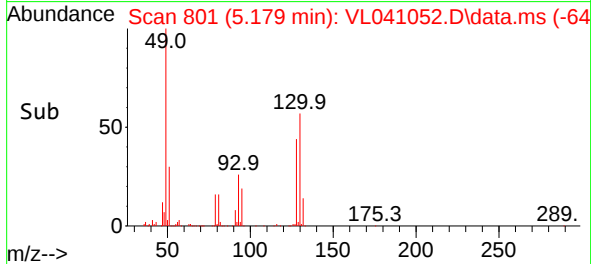
Instrument :
MSVOA_L
ClientSampleId :
SS2R



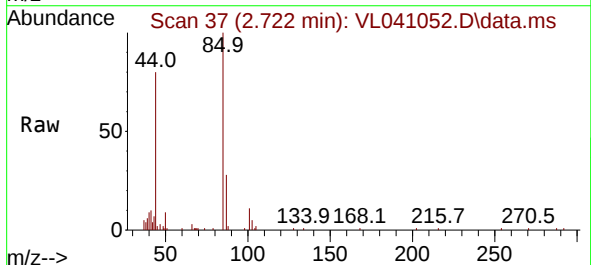
Tgt Ion: 49 Resp: 1108940
Ion Ratio Lower Upper
49 100
128 48.7 23.9 71.7
130 61.4 31.1 93.5

Manual Integrations
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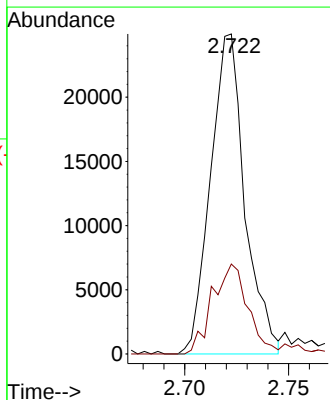
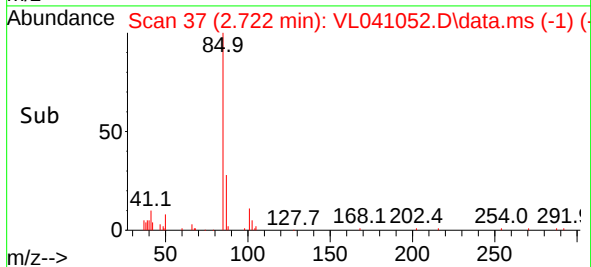
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

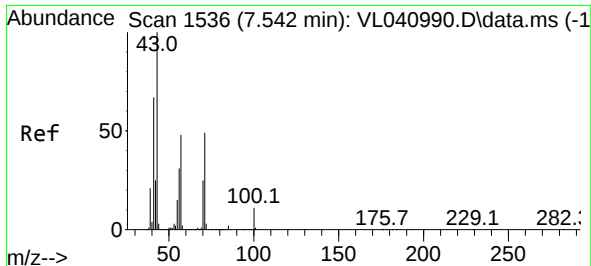


#2
Dichlorodifluoromethane
Concen: 0.117 ppbv
RT: 2.722 min Scan# 37
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06



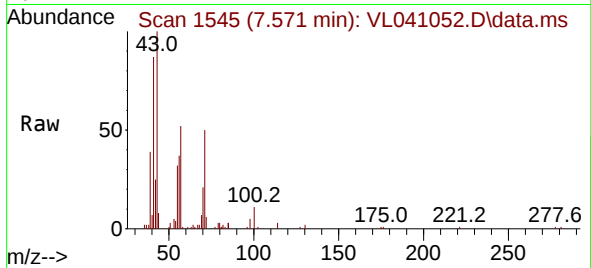
Tgt Ion: 85 Resp: 28600
Ion Ratio Lower Upper
85 100
87 28.1 26.3 39.5





#10
Heptane
Concen: 0.305 ppbv m
RT: 7.571 min Scan# 11
Delta R.T. 0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

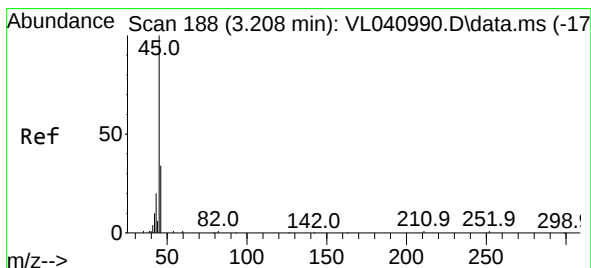
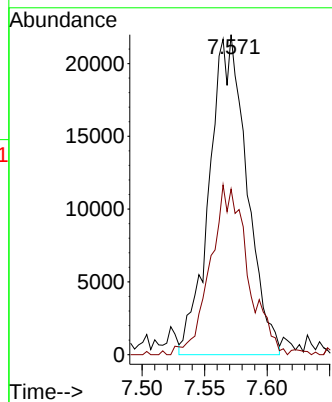
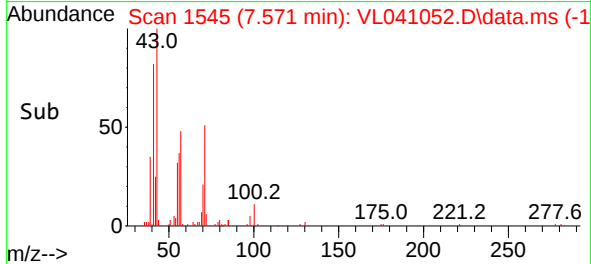
Instrument :
MSVOA_L
ClientSampleId :
SS2R



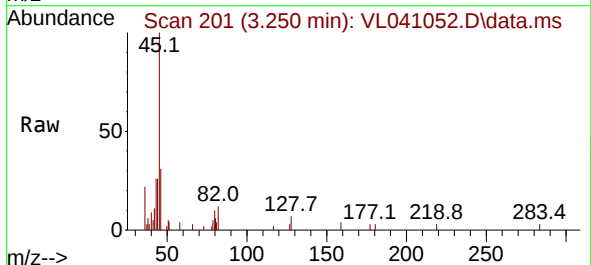
Tgt Ion: 43 Resp: 45998
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.2

Manual Integrations
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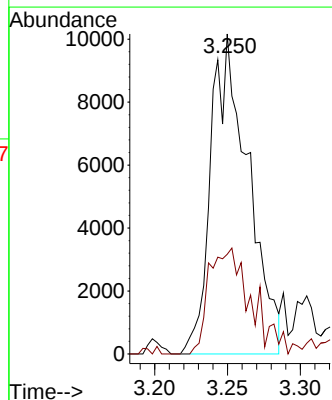
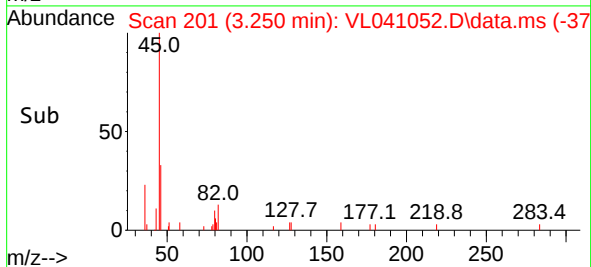
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

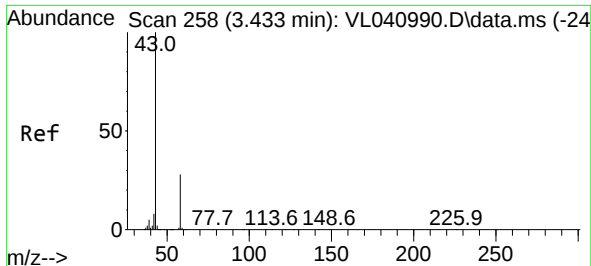


#13
Ethanol
Concen: 1.244 ppbv m
RT: 3.250 min Scan# 201
Delta R.T. 0.026 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06



Tgt Ion: 45 Resp: 18145
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.8





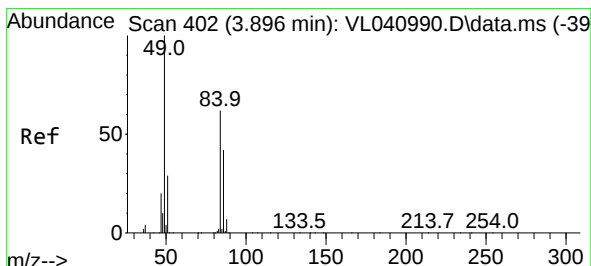
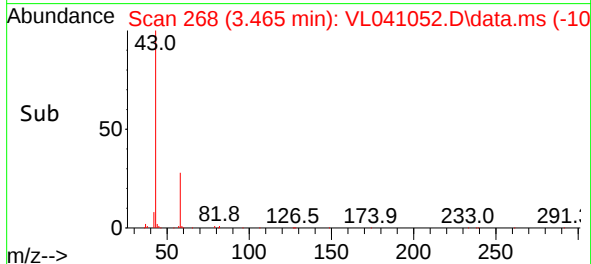
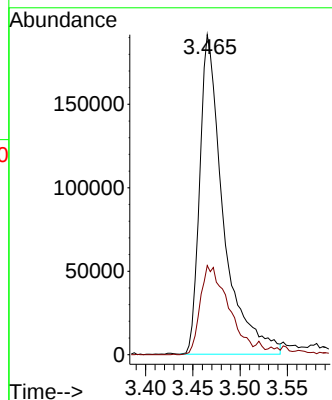
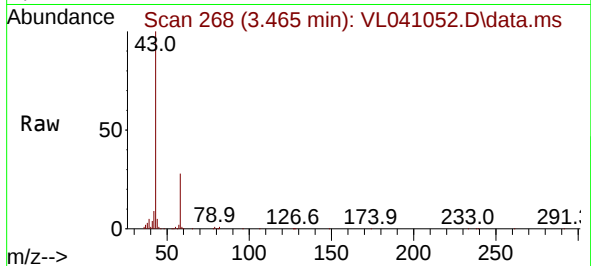
#15
Acetone
Concen: 2.346 ppbv
RT: 3.465 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Instrument :
MSVOA_L
ClientSampleId :
SS2R

Tgt Ion: 43 Resp: 332749
Ion Ratio Lower Upper
43 100
58 37.1 22.2 33.2

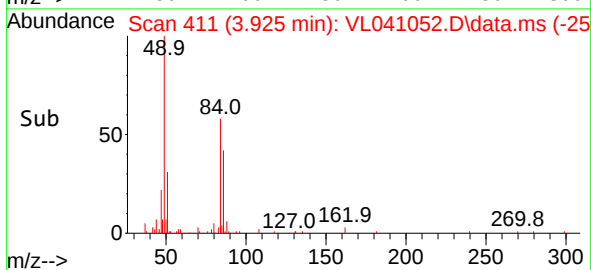
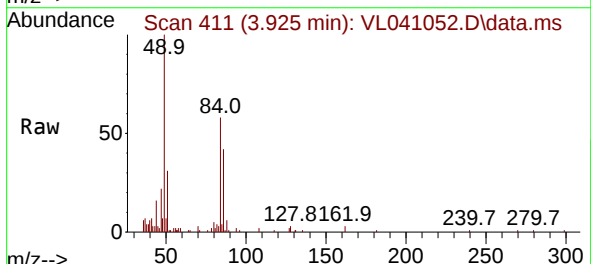
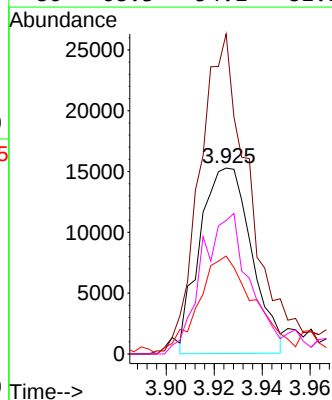
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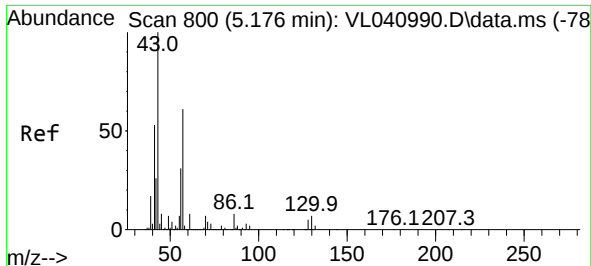
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#20
Methylene Chloride
Concen: 0.419 ppbv
RT: 3.925 min Scan# 411
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

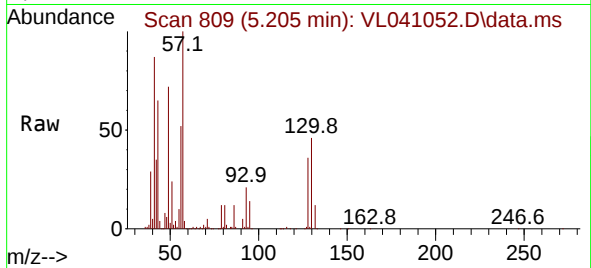
Tgt Ion: 84 Resp: 22852
Ion Ratio Lower Upper
84 100
49 160.9 128.1 192.1
51 44.3 36.5 54.7
86 68.3 54.1 81.1





#26
Hexane
Concen: 2.915 ppbv
RT: 5.205 min Scan# 800
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

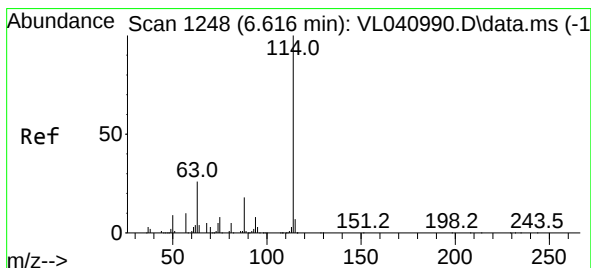
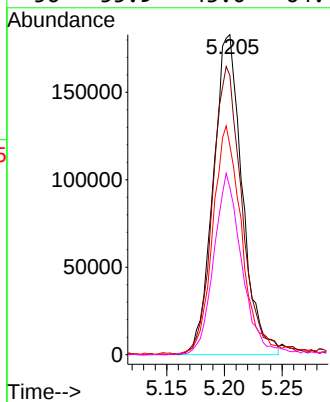
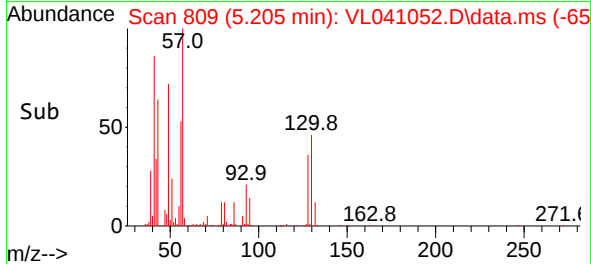
Instrument :
MSVOA_L
Client Sample Id :
SS2R



Tgt Ion: 57 Resp: 319478
Ion Ratio Lower Upper
57 100
41 93.0 74.4 111.6
43 72.1 190.6 285.8
56 55.9 43.0 64.4

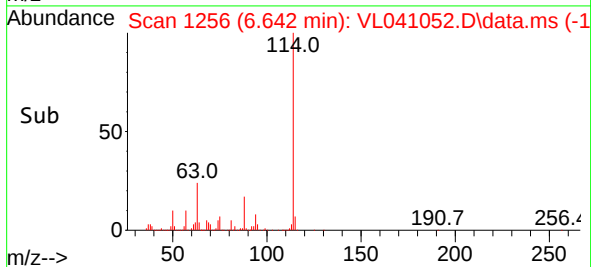
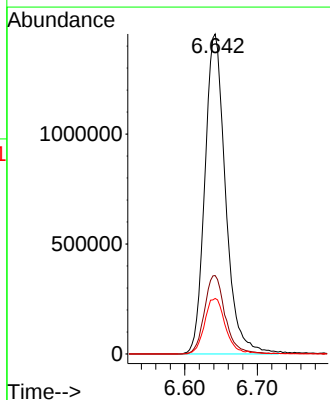
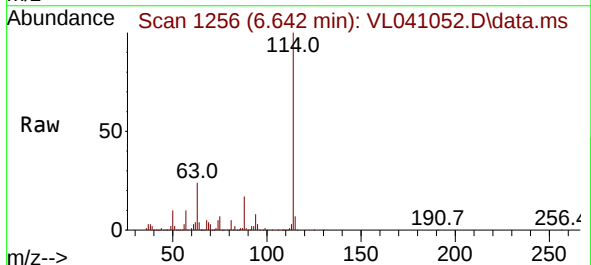
Manual Integrations
APPROVED

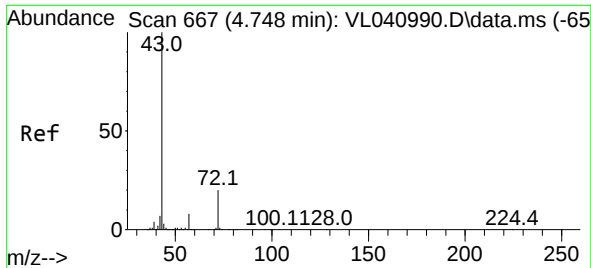
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.642 min Scan# 1256
Delta R.T. -0.000 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

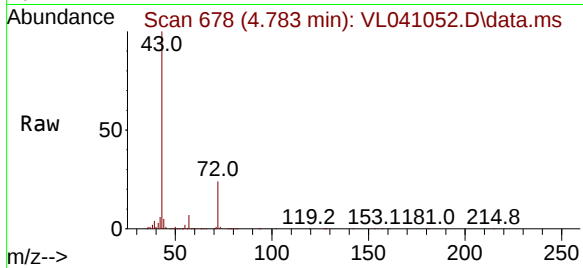
Tgt Ion:114 Resp: 2885148
Ion Ratio Lower Upper
114 100
63 24.8 20.8 31.2
88 17.8 14.3 21.5





#34
2-Butanone
Concen: 1.849 ppbv
RT: 4.783 min Scan# 61
Delta R.T. 0.013 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

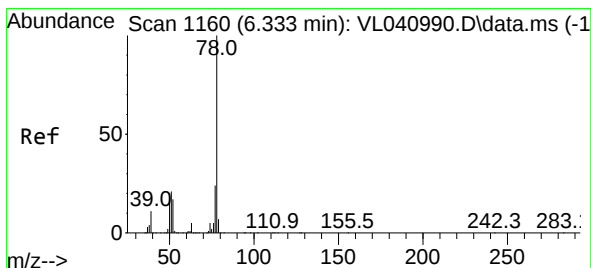
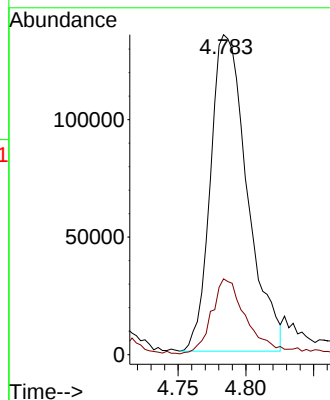
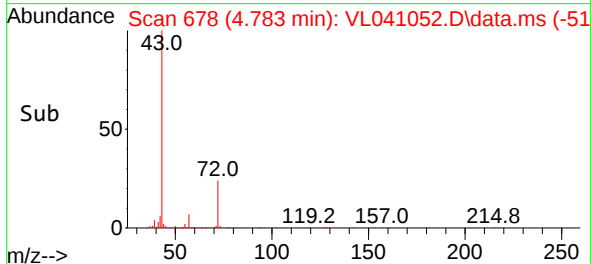
Instrument :
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ClientSampleId :
SS2R



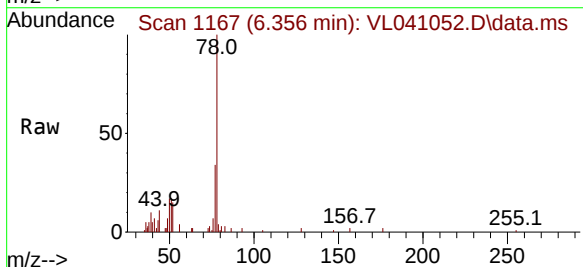
Tgt Ion: 43 Resp: 254180
Ion Ratio Lower Upper
43 100
72 24.1 17.5 26.3

Manual Integrations
APPROVED

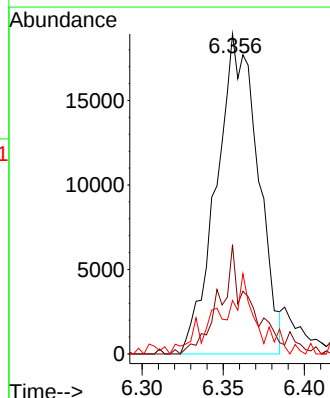
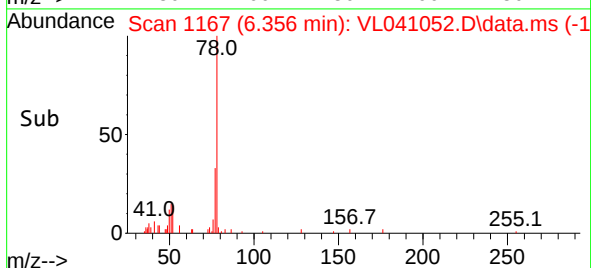
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

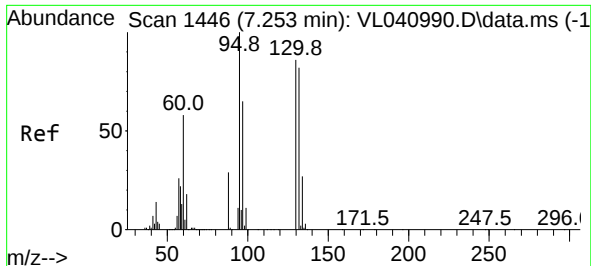


#36
Benzene
Concen: 0.141 ppbv m
RT: 6.356 min Scan# 1167
Delta R.T. -0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06



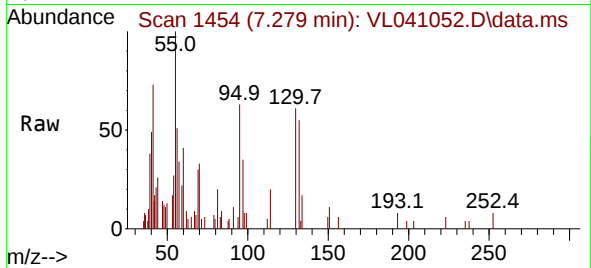
Tgt Ion: 78 Resp: 33712
Ion Ratio Lower Upper
78 100
77 34.2 19.0 28.4#
50 16.7 15.8 23.6





#38
 Trichloroethene
 Concen: 0.039 ppbv m
 RT: 7.279 min Scan# 1446
 Delta R.T. 0.003 min
 Lab File: VL041052.D
 Acq: 9 Feb 2024 11:06

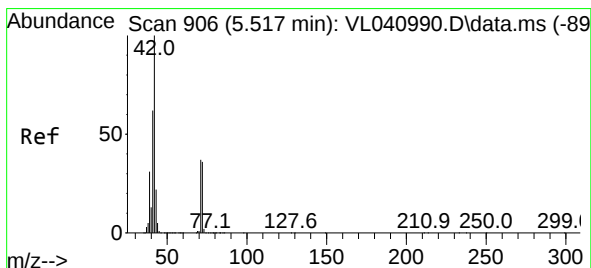
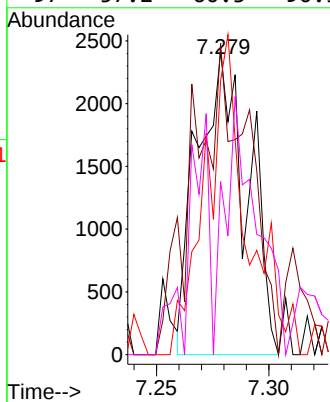
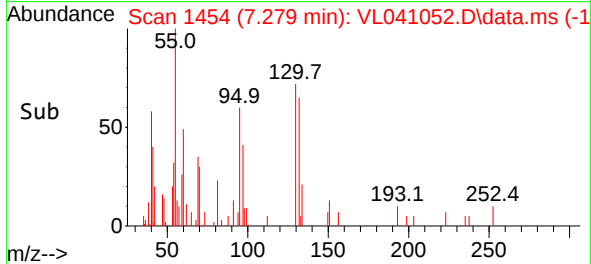
Instrument :
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Tgt Ion:	130	Resp:	3730
Ion	Ratio	Lower	Upper
130	100		
95	102.9	92.9	139.3
132	90.5	76.2	114.2
97	57.2	60.3	90.5#

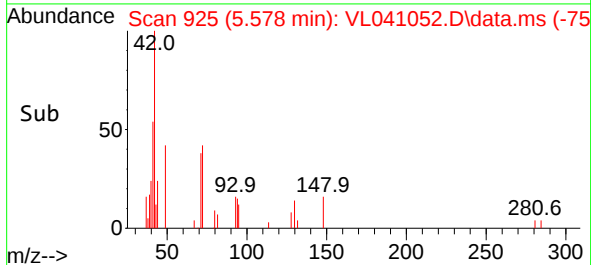
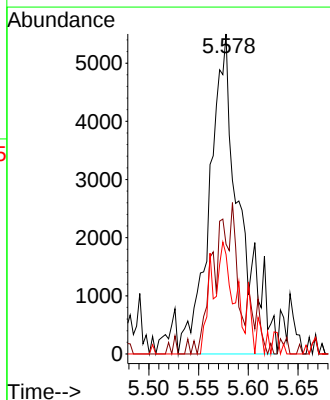
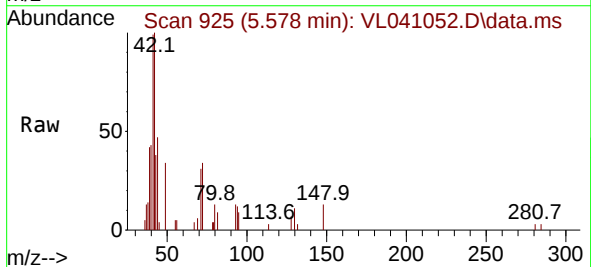
Manual Integrations
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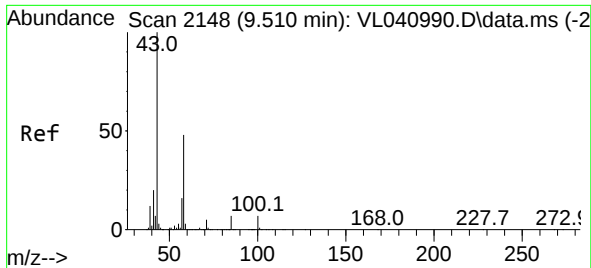
Reviewed By :Semsettin Yesilyurt 02/12/2024
 Supervised By :Mahesh Dadoda 02/12/2024



#41
 Tetrahydrofuran
 Concen: 0.124 ppbv m
 RT: 5.578 min Scan# 925
 Delta R.T. 0.039 min
 Lab File: VL041052.D
 Acq: 9 Feb 2024 11:06

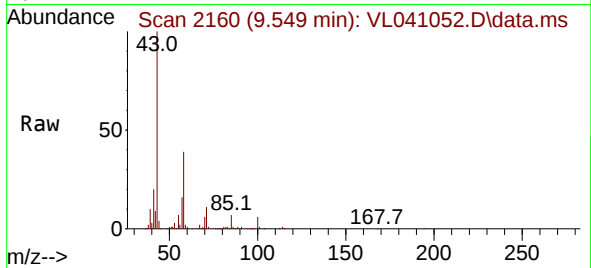
Tgt Ion:	42	Resp:	11577
Ion	Ratio	Lower	Upper
42	100		
72	43.5	30.0	45.0
71	27.9	29.5	44.3#





#51
2-Hexanone
Concen: 1.335 ppbv m
RT: 9.549 min Scan# 2148
Delta R.T. 0.013 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

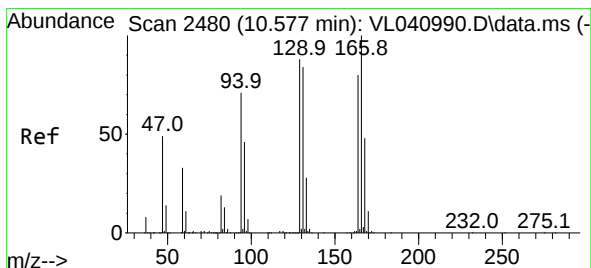
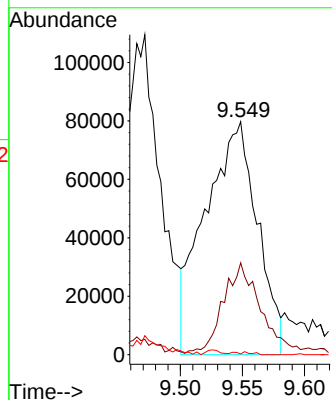
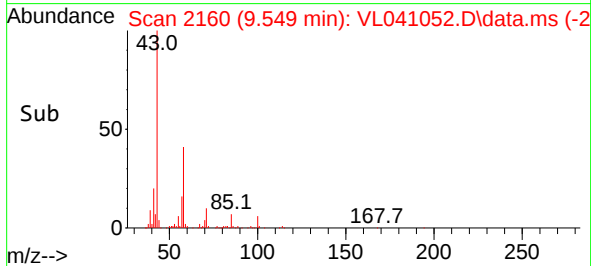
Instrument :
MSVOA_L
ClientSampleId :
SS2R



Tgt Ion: 43 Resp: 232972
Ion Ratio Lower Upper
43 100
58 0.0 36.8 55.2
98 0.9 0.3 0.5

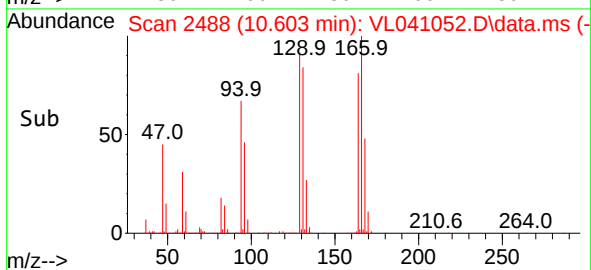
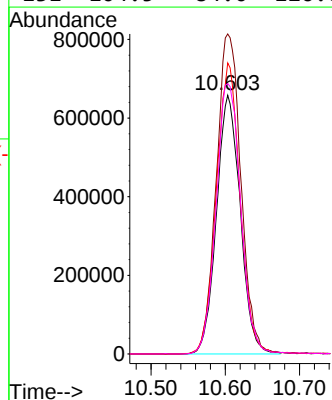
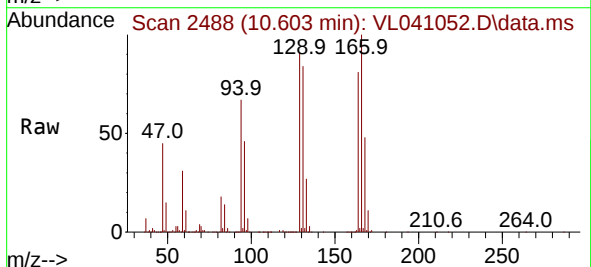
Manual Integrations
APPROVED

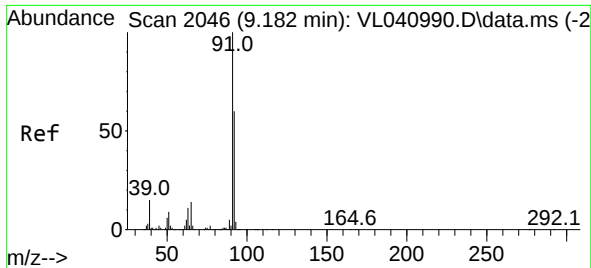
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#52
Tetrachloroethene
Concen: 18.461 ppbv
RT: 10.603 min Scan# 2488
Delta R.T. 0.000 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

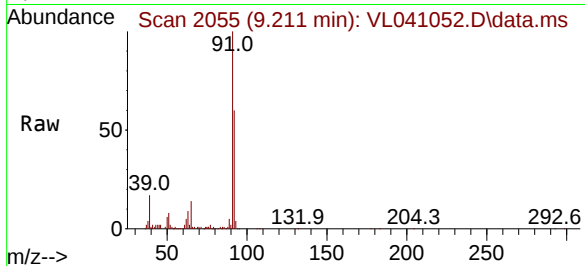
Tgt Ion:164 Resp: 1460808
Ion Ratio Lower Upper
164 100
166 123.7 100.2 150.2
129 112.5 87.9 131.9
131 104.5 84.0 126.0





#53
Toluene
Concen: 0.912 ppbv
RT: 9.211 min Scan# 2046
Delta R.T. 0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

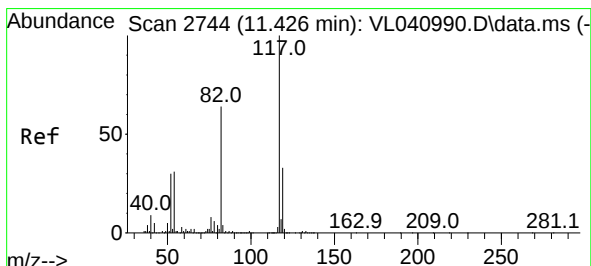
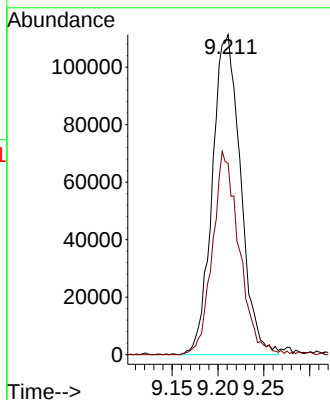
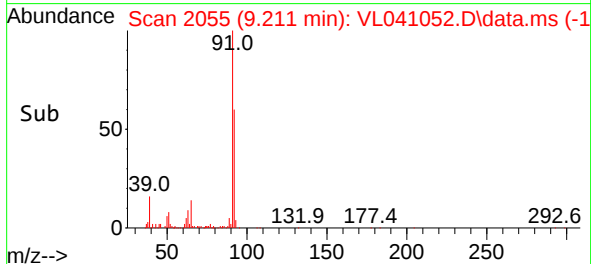
Instrument :
MSVOA_L
ClientSampleId :
SS2R



Tgt Ion: 91 Resp: 237999
Ion Ratio Lower Upper
91 100
92 60.6 48.6 72.8

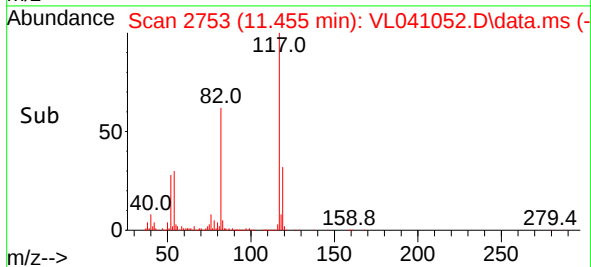
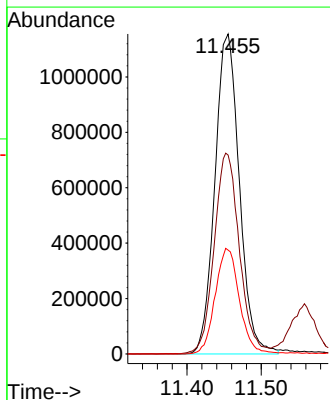
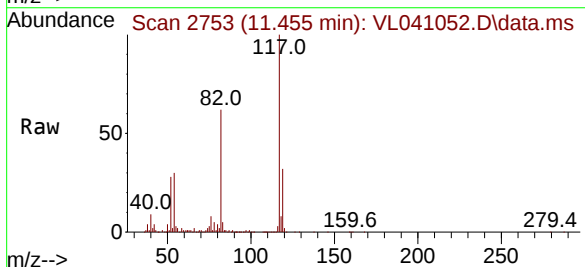
Manual Integrations
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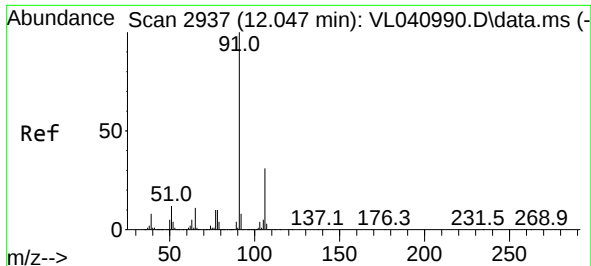
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. 0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

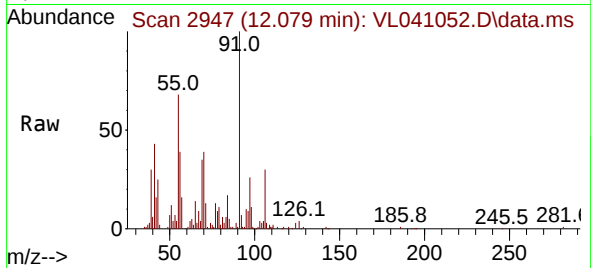
Tgt Ion:117 Resp: 2643424
Ion Ratio Lower Upper
117 100
82 64.9 51.7 77.5
119 33.2 23.8 35.6





#58
Ethyl Benzene
Concen: 0.377 ppbv m
RT: 12.079 min Scan# 2937
Delta R.T. 0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

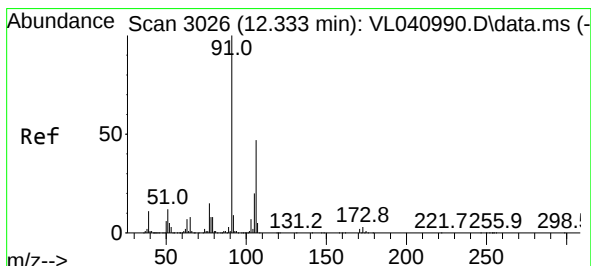
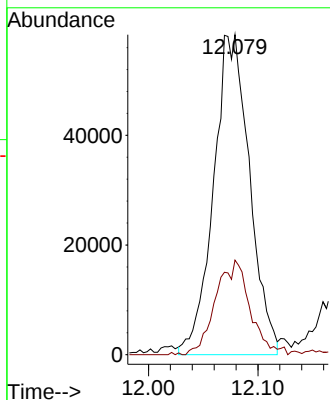
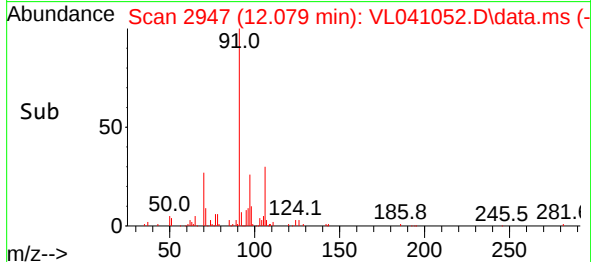
Instrument :
MSVOA_L
ClientSampleId :
SS2R



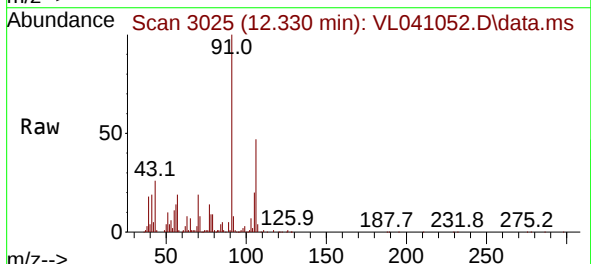
Tgt Ion: 91 Resp: 133670
Ion Ratio Lower Upper
91 100
106 29.5 24.8 37.2

Manual Integrations
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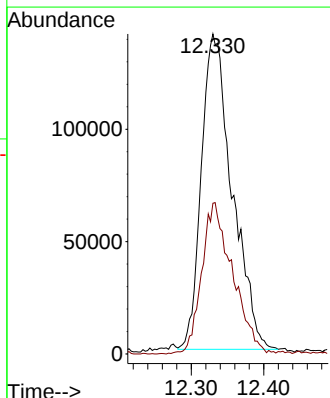
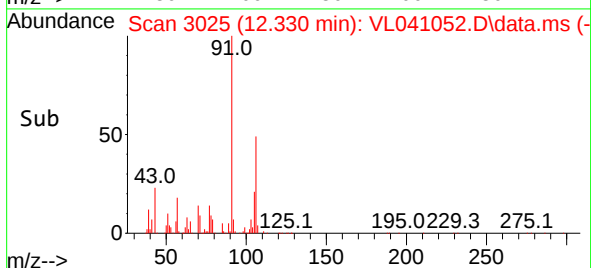
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

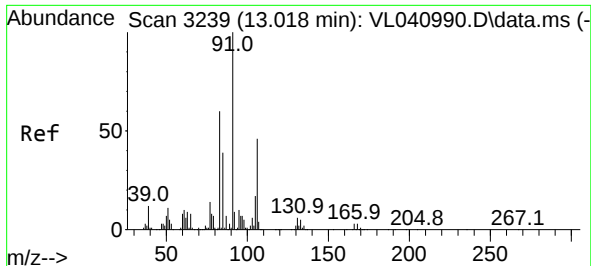


#59
m/p-Xylene
Concen: 1.339 ppbv
RT: 12.330 min Scan# 3025
Delta R.T. -0.026 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06



Tgt Ion: 91 Resp: 414258
Ion Ratio Lower Upper
91 100
106 48.4 34.9 52.3





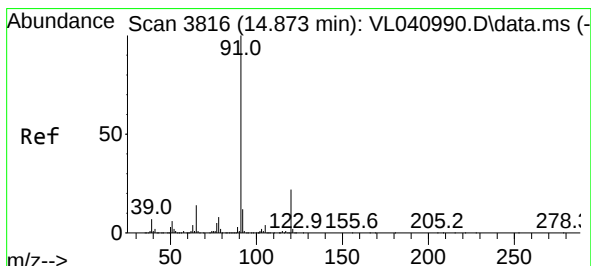
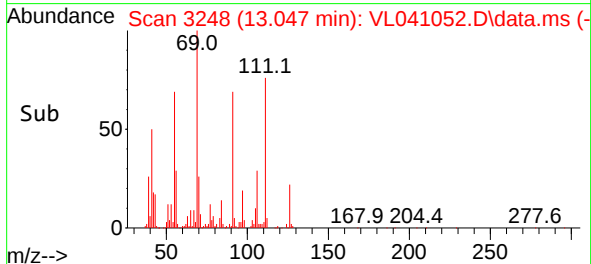
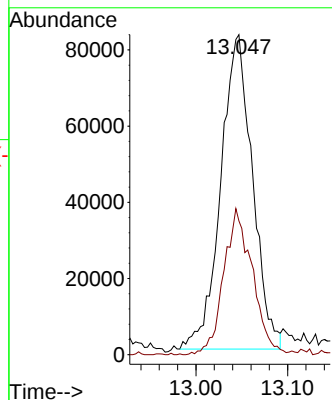
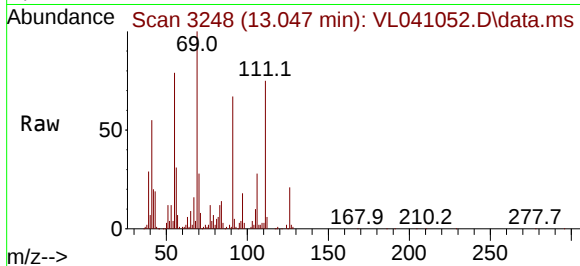
#60
o-Xylene
Concen: 0.669 ppbv
RT: 13.047 min Scan# 31
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Instrument :
MSVOA_L
ClientSampleId :
SS2R

Tgt Ion: 91 Resp: 19862
Ion Ratio Lower Upper
91 100
106 42.1 22.6 67.7

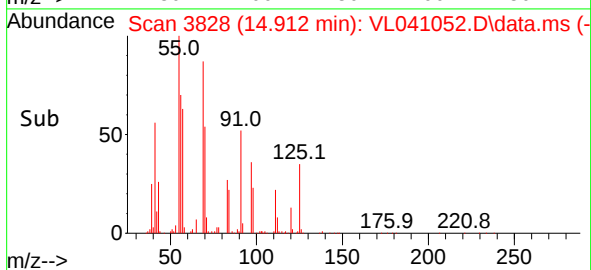
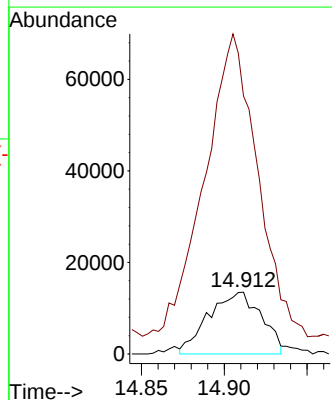
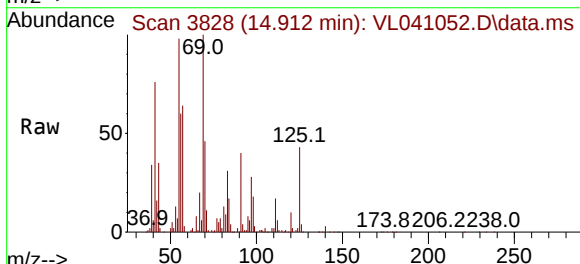
Manual Integrations
APPROVED

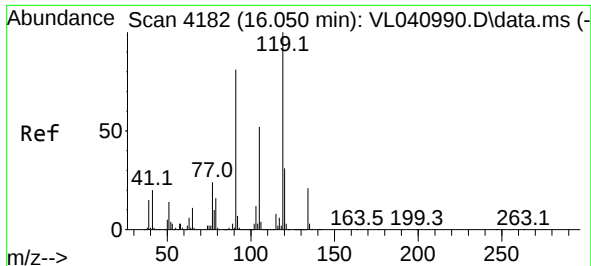
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024



#64
n-propylbenzene
Concen: 0.270 ppbv m
RT: 14.912 min Scan# 3828
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

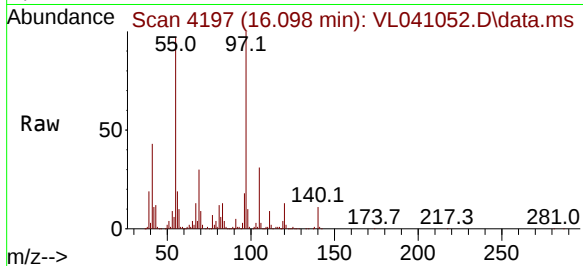
Tgt Ion:120 Resp: 29931
Ion Ratio Lower Upper
120 100
91 486.7 390.6 585.8





#65
tert-Butylbenzene
Concen: 0.097 ppbv m
RT: 16.098 min Scan# 4182
Delta R.T. 0.019 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

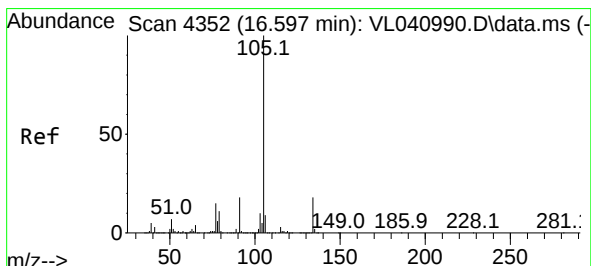
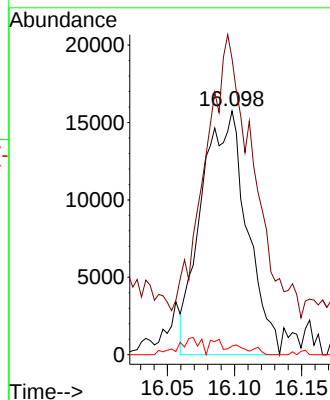
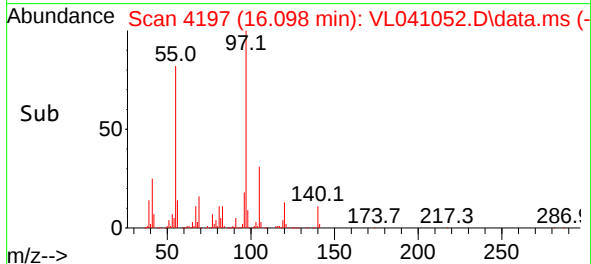
Instrument :
MSVOA_L
ClientSampleId :
SS2R



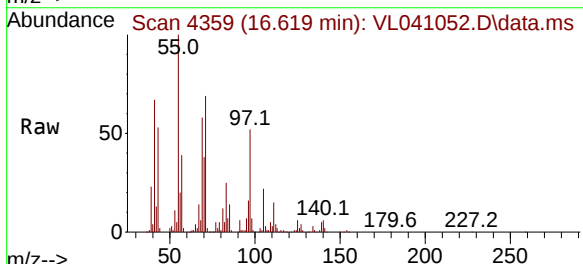
Tgt Ion:119 Resp: 37149
Ion Ratio Lower Upper
119 100
91 0.0 67.6 101.4
134 0.0 16.1 24.1

Manual Integrations
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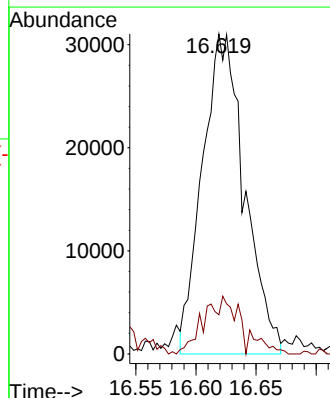
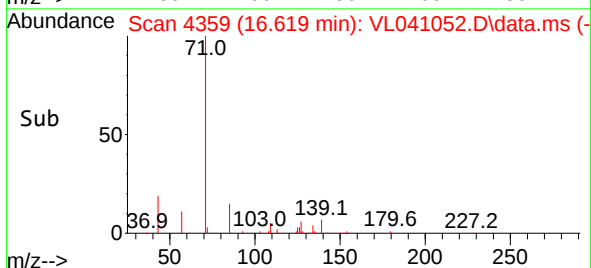
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

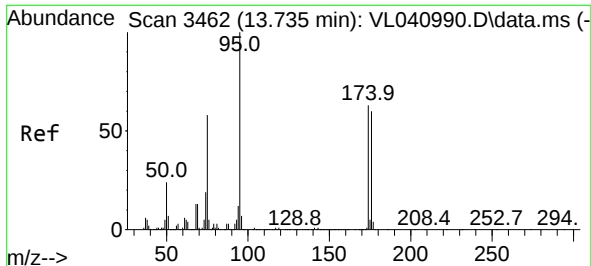


#67
sec-Butylbenzene
Concen: 0.136 ppbv m
RT: 16.619 min Scan# 4359
Delta R.T. 0.000 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06



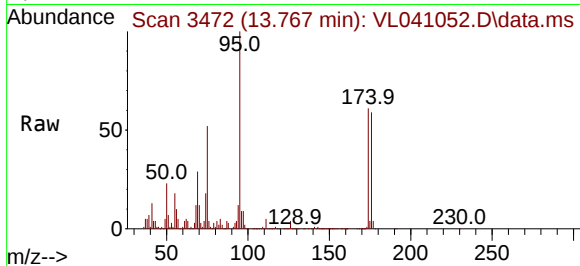
Tgt Ion:105 Resp: 75761
Ion Ratio Lower Upper
105 100
134 16.5 14.2 21.4





#68
1-Bromo-4-Fluorobenzene
Concen: 10.821 ppbv
RT: 13.767 min Scan# 3462
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

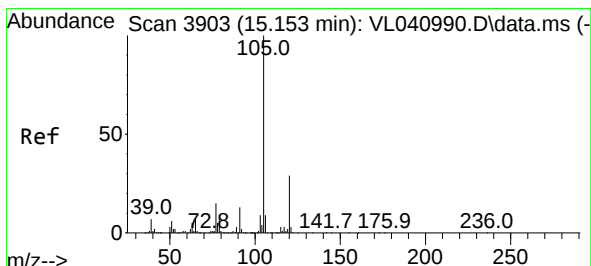
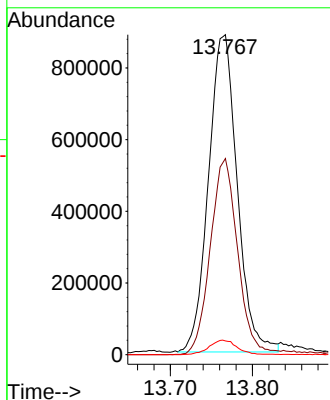
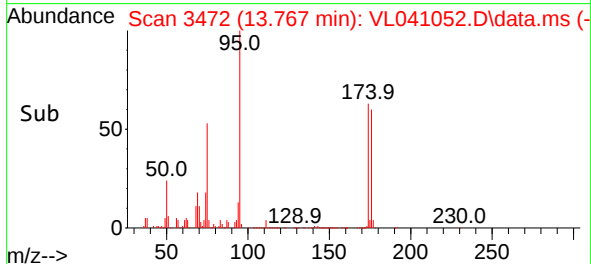
Instrument :
MSVOA_L
ClientSampleId :
SS2R



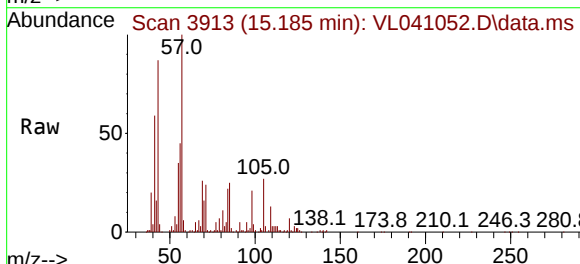
Tgt Ion: 95 Resp: 216049
Ion Ratio Lower Upper
95 100
174 61.0 49.1 73.7
175 4.6 3.7 5.5

Manual Integrations
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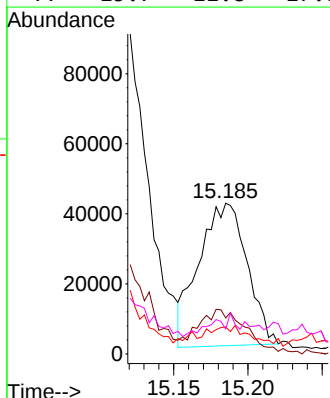
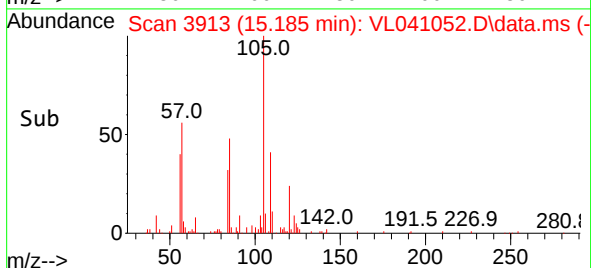
Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

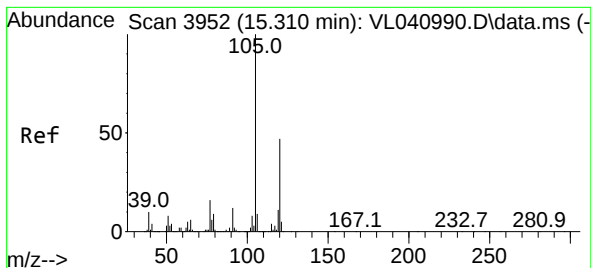


#72
4-Ethyltoluene
Concen: 0.278 ppbv
RT: 15.185 min Scan# 3913
Delta R.T. 0.006 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06



Tgt Ion:105 Resp: 92343
Ion Ratio Lower Upper
105 100
120 31.5 24.3 36.5
91 18.4 11.0 16.4#
77 15.7 11.8 17.8





#73

1,3,5-Trimethylbenzene

Concen: 0.427 ppbv

RT: 15.339 min Scan# 3952

Delta R.T. 0.003 min

Lab File: VL041052.D

Acq: 9 Feb 2024 11:06

Instrument :

MSVOA_L

ClientSampleId :

SS2R

Tgt Ion:105 Resp: 125632

Ion Ratio Lower Upper

105 100

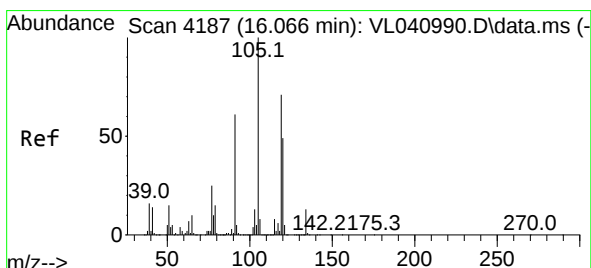
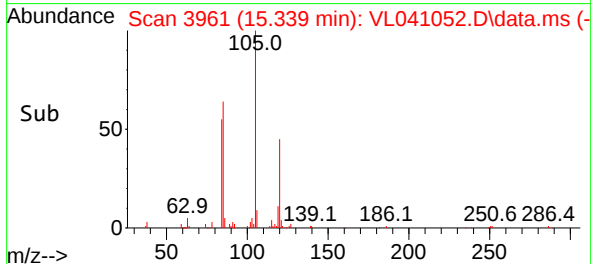
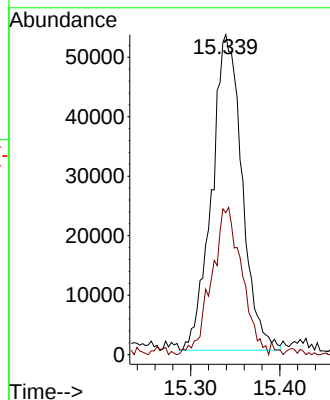
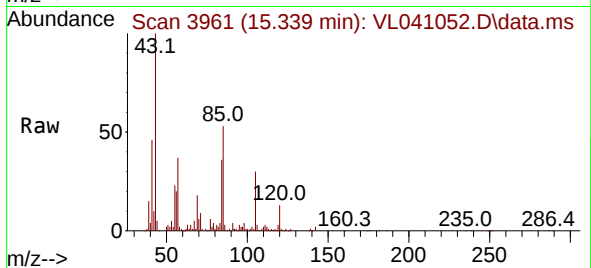
120 44.6 37.2 55.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/12/2024

Supervised By :Mahesh Dadoda 02/12/2024



#74

1,2,4-Trimethylbenzene

Concen: 0.812 ppbv

RT: 16.095 min Scan# 4196

Delta R.T. -0.000 min

Lab File: VL041052.D

Acq: 9 Feb 2024 11:06

Tgt Ion:105 Resp: 271088

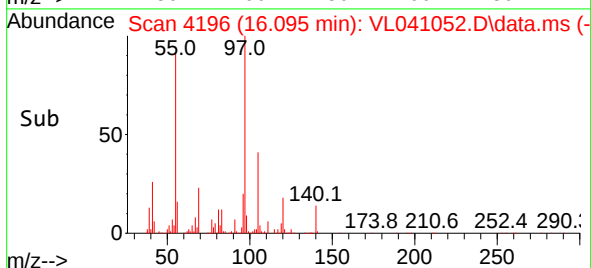
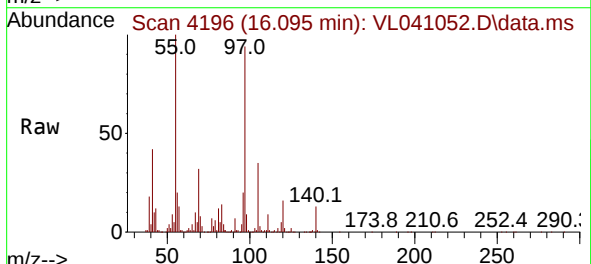
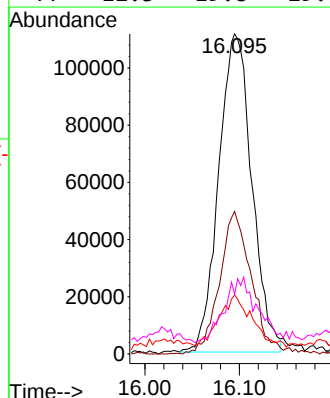
Ion Ratio Lower Upper

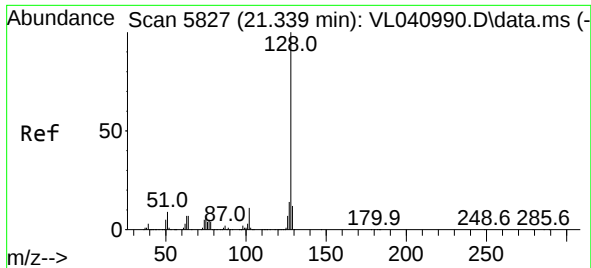
105 100

120 44.6 39.3 58.9

91 14.5 48.7 73.1#

77 12.3 19.8 29.8#





#79
Naphthalene
Concen: 0.130 ppbv m
RT: 21.368 min Scan# 5836
Delta R.T. -0.003 min
Lab File: VL041052.D
Acq: 9 Feb 2024 11:06

Instrument :
MSVOA_L
ClientSampleId :
SS2R

Tgt Ion:128 Resp: 2469
Ion Ratio Lower Upper
128 100
127 15.0 10.9 16.3
129 12.8 9.3 13.9

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 02/12/2024
Supervised By :Mahesh Dadoda 02/12/2024

