

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
 Data File : VL040116.D
 Acq On : 19 Jan 2023 16:55
 Operator : SY/MD
 Sample : 01223-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 02:08:04 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023

QLast Update : Mon Jan 16 14:40:47 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	1127702	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.664	114	2863507	10.000	ppbv	0.01
55) Chlorobenzene-d5	11.484	117	2608285	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.796	95	2083415	9.611	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.726	85	19956	0.101	ppbv	96
9) Propene	2.687	41	5650745	100.551	ppbv	95
10) Heptane	7.587	43	140617m	1.086	ppbv	
13) Ethanol	3.234	45	228033	44.086	ppbv	98
15) Acetone	3.462	43	5163282	38.177	ppbv #	87
19) Isopropyl Alcohol	3.581	45	78058	1.180	ppbv #	90
20) Methylene Chloride	3.935	84	414896	6.953	ppbv	93
26) Hexane	5.218	57	533473	5.116	ppbv #	50
27) Carbon Disulfide	4.124	76	130661	0.967	ppbv #	91
30) Cyclohexane	6.610	84	58824m	0.710	ppbv	
34) 2-Butanone	4.787	43	2157581	15.929	ppbv	97
36) Benzene	6.378	78	1111147	5.244	ppbv	96
41) Tetrahydrofuran	5.568	42	207917	2.660	ppbv	99
52) Tetrachloroethene	10.622	164	3719m	0.054	ppbv	
53) Toluene	9.233	91	663484	2.936	ppbv	99
58) Ethyl Benzene	12.102	91	115139	0.396	ppbv	99
59) m/p-Xylene	12.359	91	254492m	0.972	ppbv	
60) o-Xylene	13.076	91	94610	0.381	ppbv	92
72) 4-Ethyltoluene	15.208	105	44083m	0.160	ppbv	
73) 1,3,5-Trimethylbenzene	15.368	105	36325m	0.146	ppbv	
74) 1,2,4-Trimethylbenzene	16.130	105	120141	0.437	ppbv #	69

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

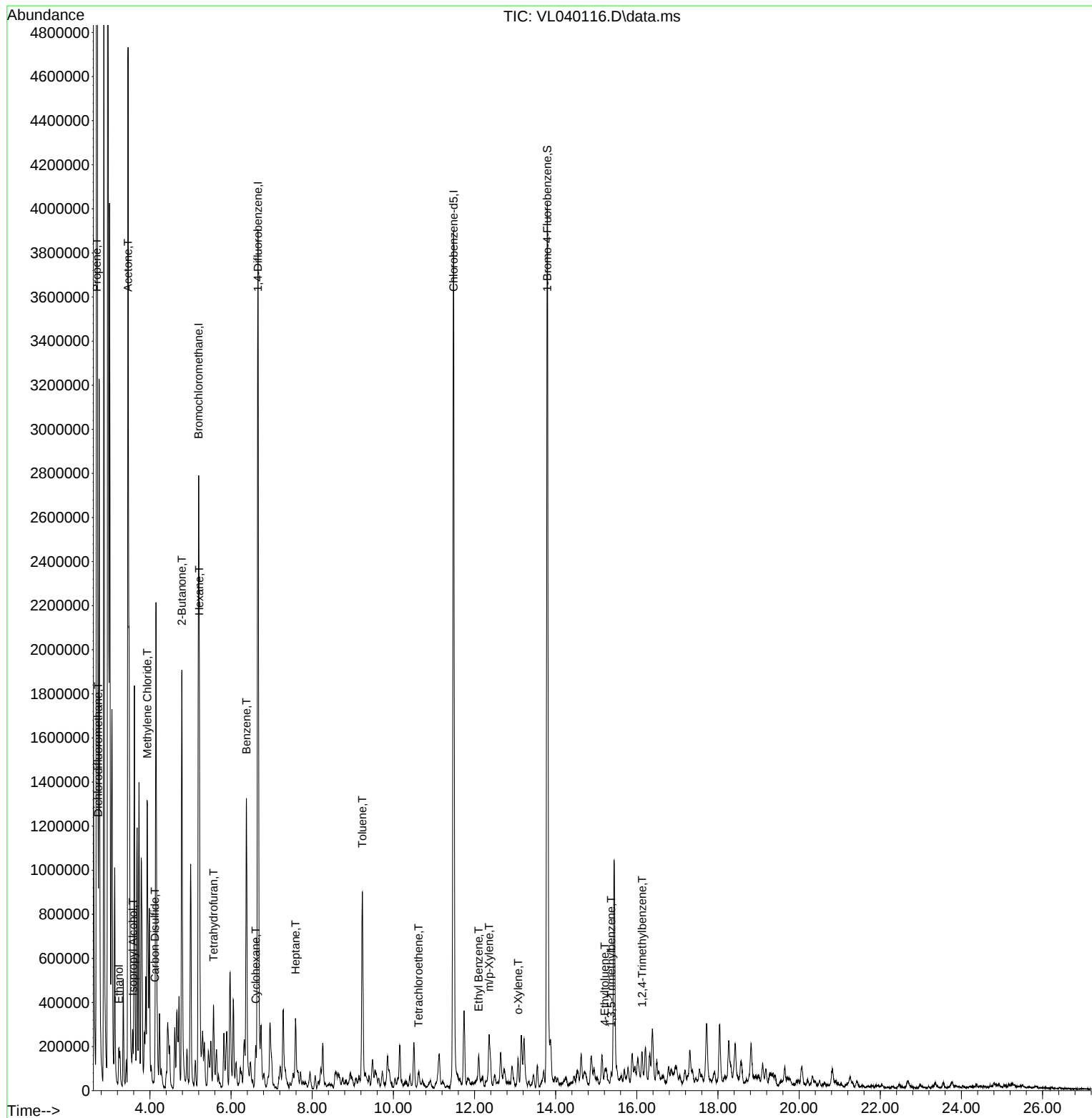
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
Data File : VL040116.D
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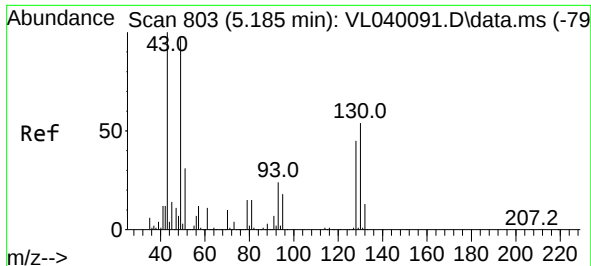
Instrument :
MSVOA_L
ClientSampleId :
VP-3

Quant Time: Jan 20 02:08:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jan 16 14:40:47 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

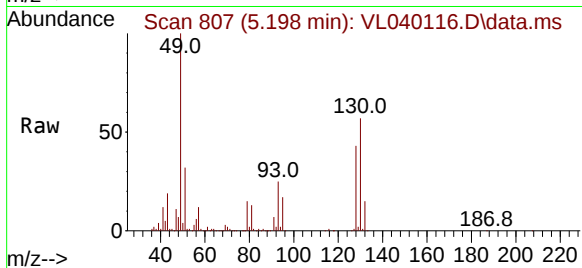
Reviewed By : Semsettin Yesilyurt 01/20/2023
Supervised By : Mahesh Dadoda 01/20/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

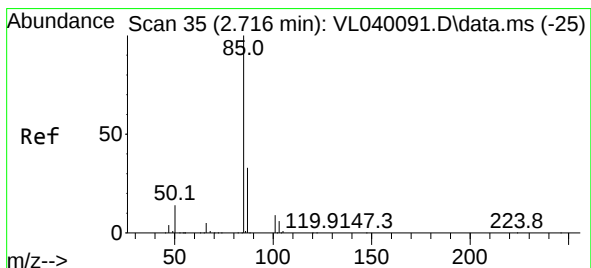
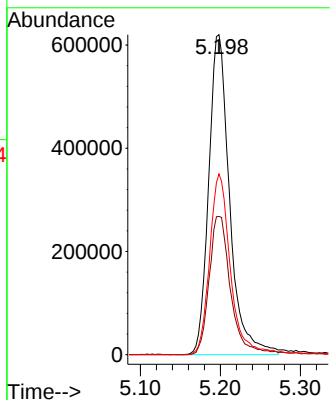
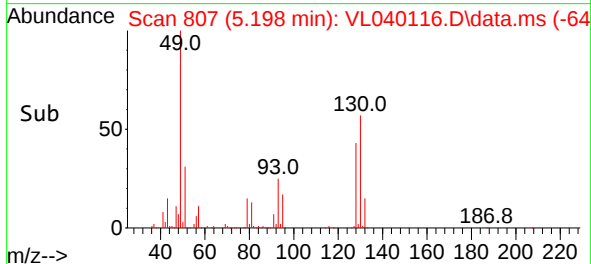
Instrument :
MSVOA_L
ClientSampleId :
VP-3



Tgt Ion: 49 Resp: 112770
Ion Ratio Lower Upper
49 100
128 45.1 23.6 71.0
130 57.1 29.8 89.3

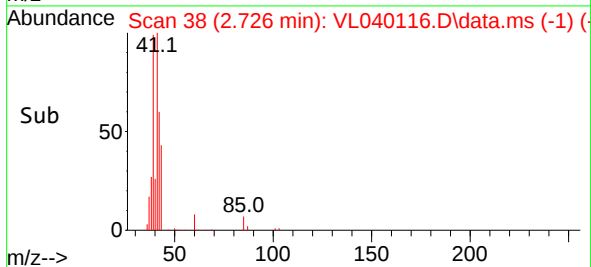
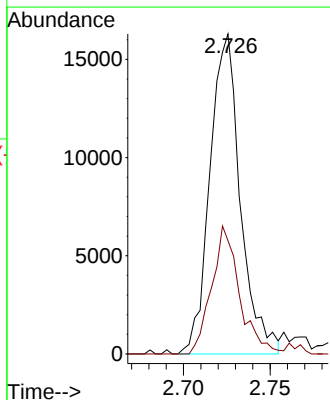
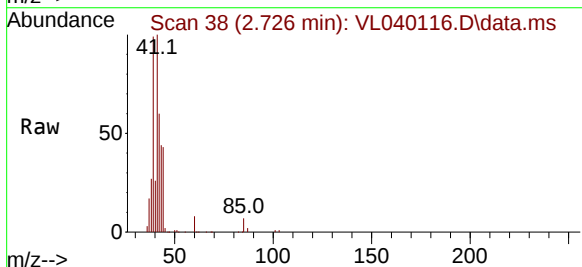
Manual Integrations
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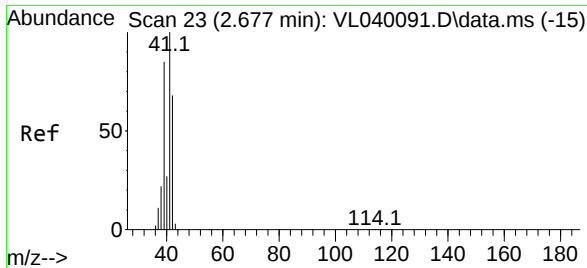
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#2
Dichlorodifluoromethane
Concen: 0.101 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

Tgt Ion: 85 Resp: 19956
Ion Ratio Lower Upper
85 100
87 35.4 26.5 39.7





#9

Propene

Concen: 100.551 ppbv

RT: 2.687 min Scan# 2

Delta R.T. 0.010 min

Lab File: VL040116.D

Acq: 19 Jan 2023 16:55

Instrument :

MSVOA_L

ClientSampleId :

VP-3

Tgt Ion: 41 Resp: 565074

Ion Ratio Lower Upper

41 100

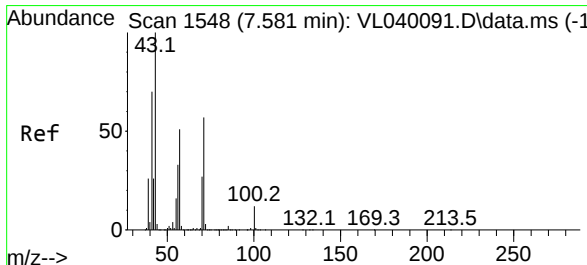
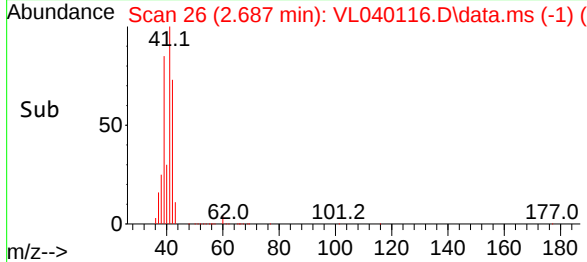
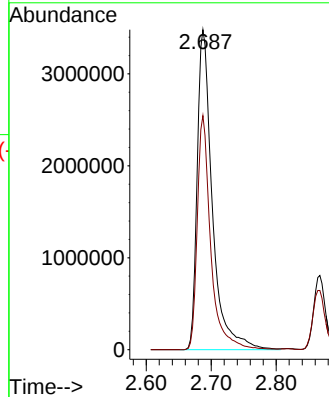
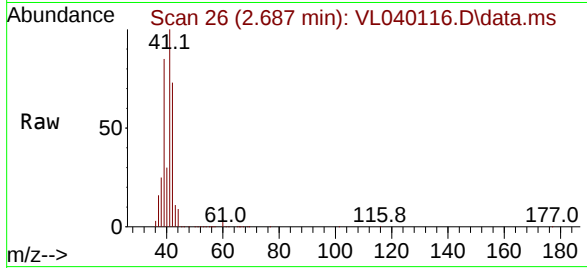
42 65.2 55.6 83.4

Manual Integrations

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Supervised By :Mahesh Dadoda 01/20/2023



#10

Heptane

Concen: 1.086 ppbv m

RT: 7.587 min Scan# 1550

Delta R.T. 0.006 min

Lab File: VL040116.D

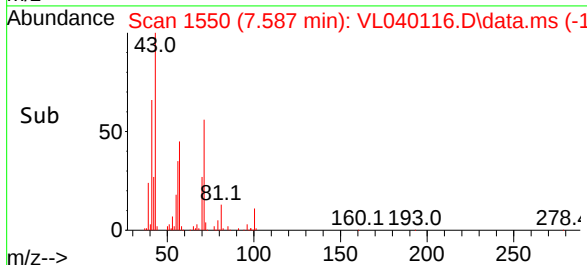
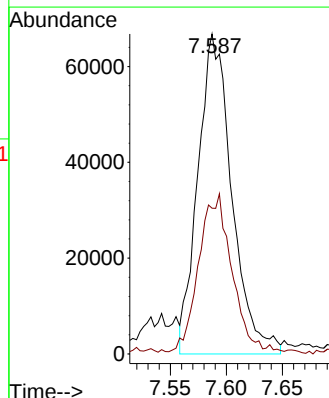
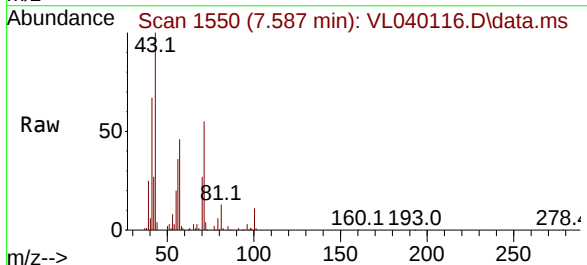
Acq: 19 Jan 2023 16:55

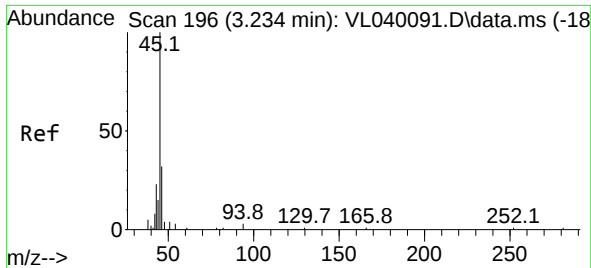
Tgt Ion: 43 Resp: 140617

Ion Ratio Lower Upper

43 100

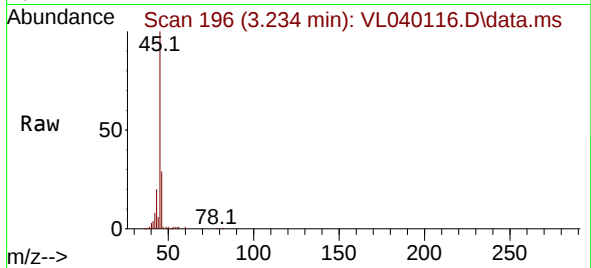
57 51.4 40.9 61.3





#13
Ethanol
Concen: 44.086 ppbv
RT: 3.234 min Scan# 196
Delta R.T. 0.000 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

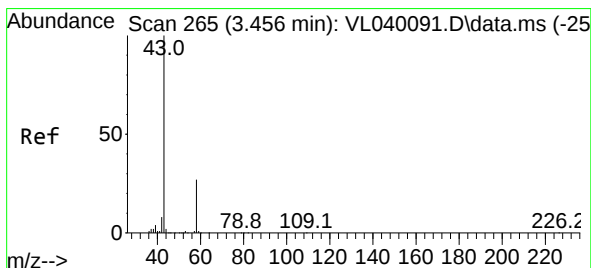
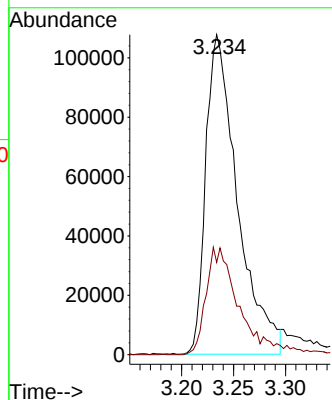
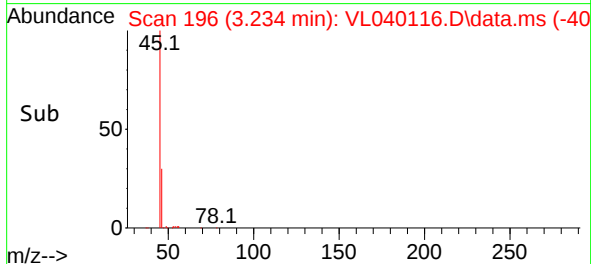
Instrument :
MSVOA_L
ClientSampleId :
VP-3



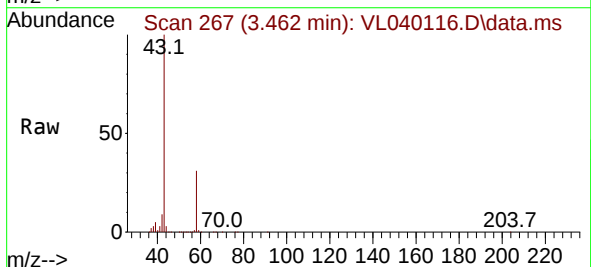
Tgt Ion: 45 Resp: 22803
Ion Ratio Lower Upper
45 100
46 35.7 14.8 59.2

Manual Integrations
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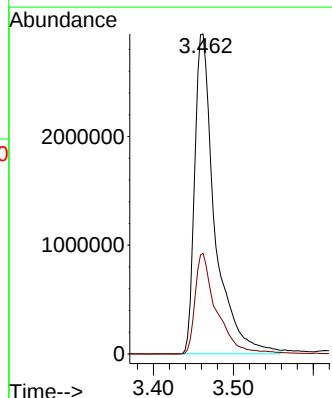
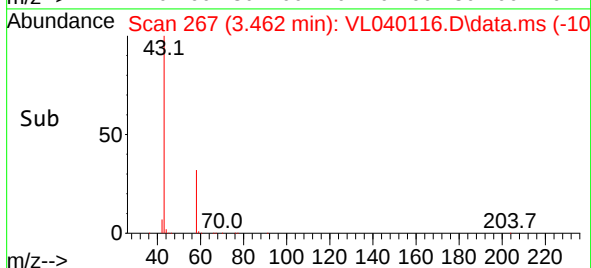
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

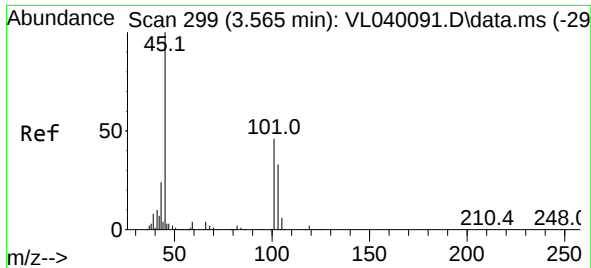


#15
Acetone
Concen: 38.177 ppbv
RT: 3.462 min Scan# 267
Delta R.T. 0.006 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55



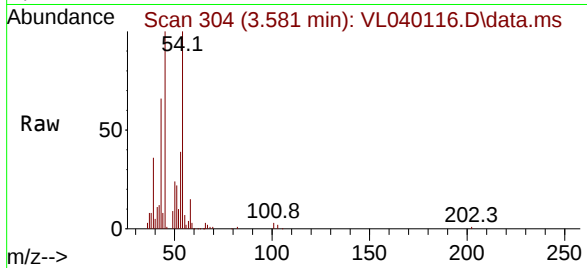
Tgt Ion: 43 Resp: 5163282
Ion Ratio Lower Upper
43 100
58 34.0 21.8 32.8#





#19
Isopropyl Alcohol
Concen: 1.180 ppbv
RT: 3.581 min Scan# 304
Delta R.T. 0.016 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

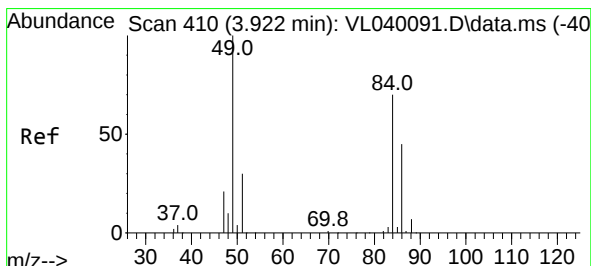
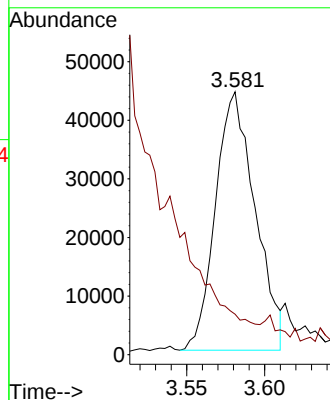
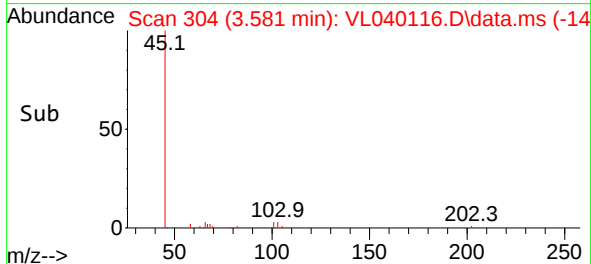
Instrument :
MSVOA_L
ClientSampleId :
VP-3



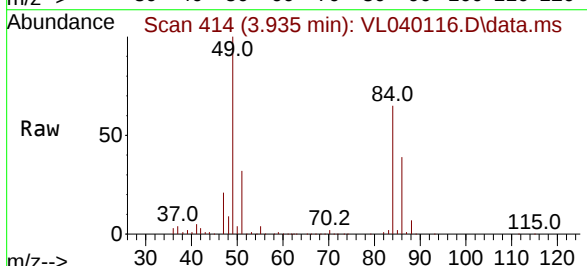
Tgt Ion: 45 Resp: 78058
Ion Ratio Lower Upper
45 100
58 0.0 2.6 4.0

Manual Integrations
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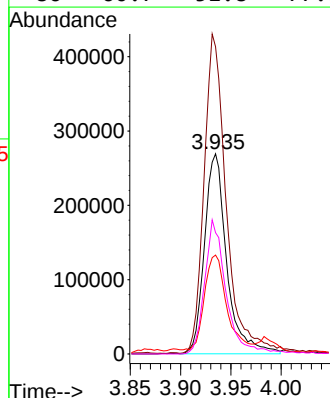
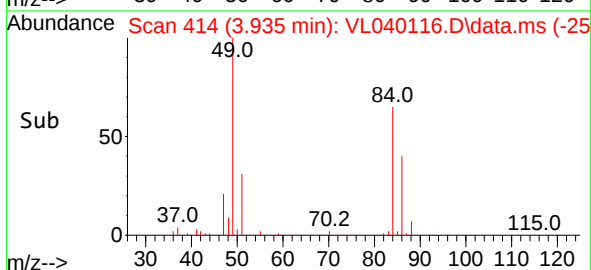
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

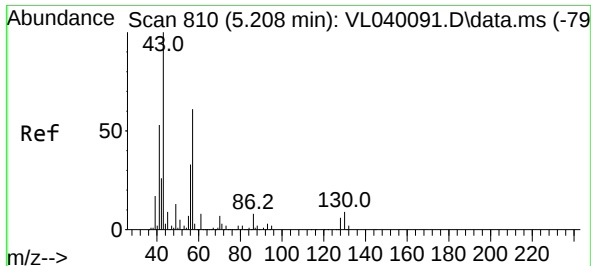


#20
Methylene Chloride
Concen: 6.953 ppbv
RT: 3.935 min Scan# 414
Delta R.T. 0.013 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55



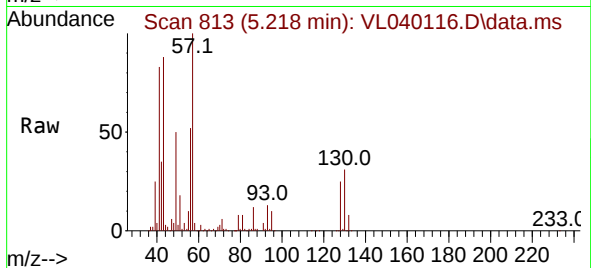
Tgt Ion: 84 Resp: 414896
Ion Ratio Lower Upper
84 100
49 153.4 114.6 171.8
51 47.4 34.3 51.5
86 60.7 51.8 77.8





#26
Hexane
Concen: 5.116 ppbv
RT: 5.218 min Scan# 810
Delta R.T. 0.010 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

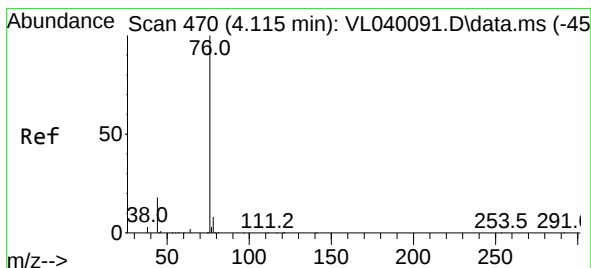
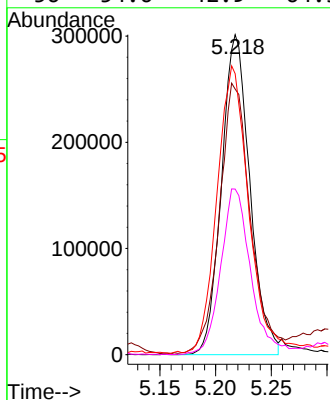
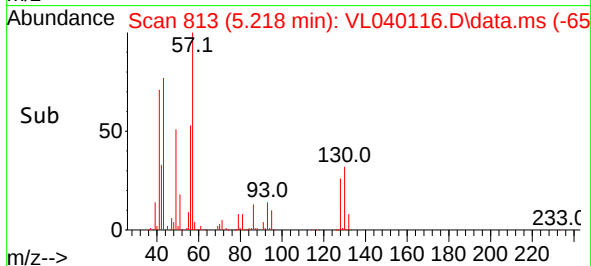
Instrument :
MSVOA_L
ClientSampleId :
VP-3



Tgt Ion: 57 Resp: 53347
Ion Ratio Lower Upper
57 100
41 91.4 72.2 108.4
43 105.2 192.1 288.1
56 54.6 42.9 64.3

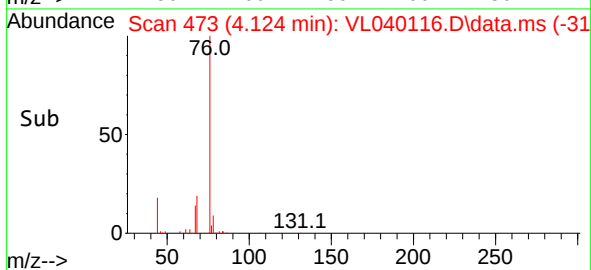
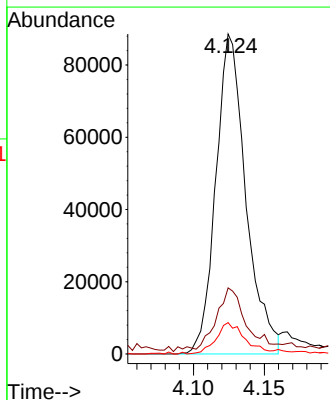
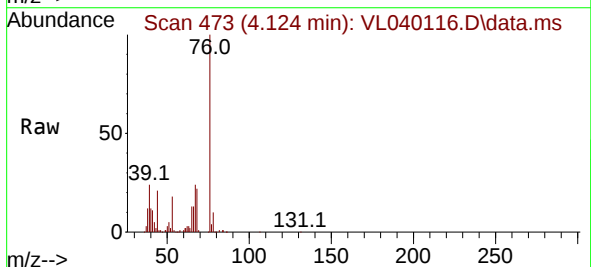
Manual Integrations
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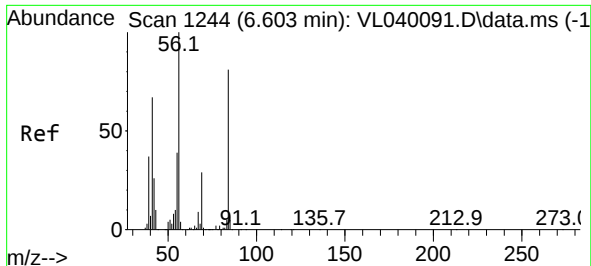
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#27
Carbon Disulfide
Concen: 0.967 ppbv
RT: 4.124 min Scan# 473
Delta R.T. 0.010 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

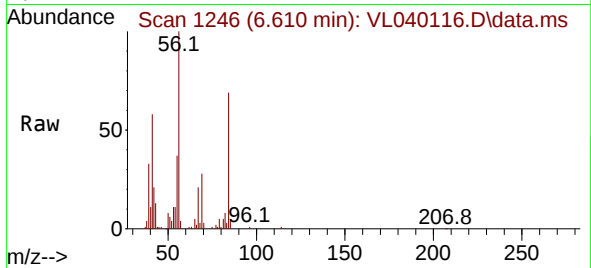
Tgt Ion: 76 Resp: 130661
Ion Ratio Lower Upper
76 100
44 24.1 14.9 22.3#
78 10.9 8.2 12.2





#30
Cyclohexane
Concen: 0.710 ppbv m
RT: 6.610 min Scan# 1244
Delta R.T. 0.006 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

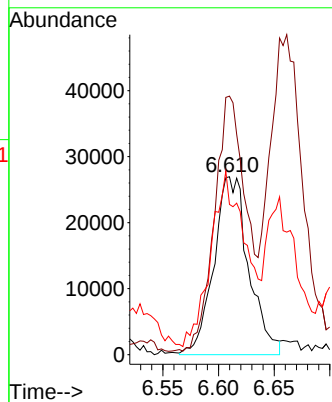
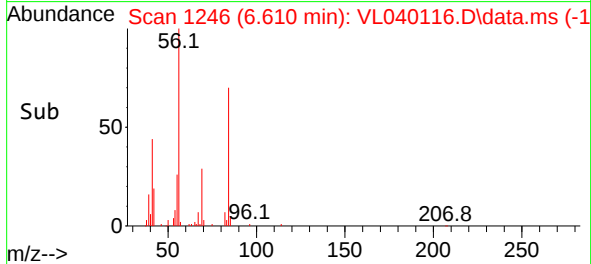
Instrument :
MSVOA_L
ClientSampleId :
VP-3



Tgt Ion: 84 Resp: 58824
Ion Ratio Lower Upper
84 100
56 0.0 111.5 167.3
41 0.0 71.4 107.0

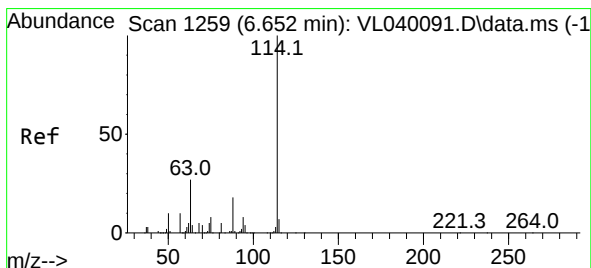
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Yesilyurt



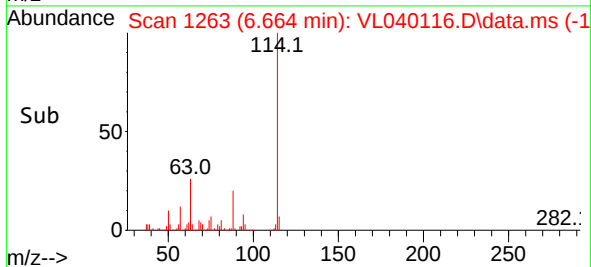
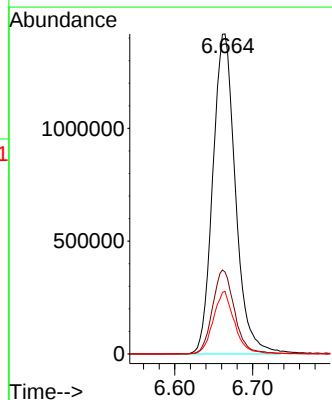
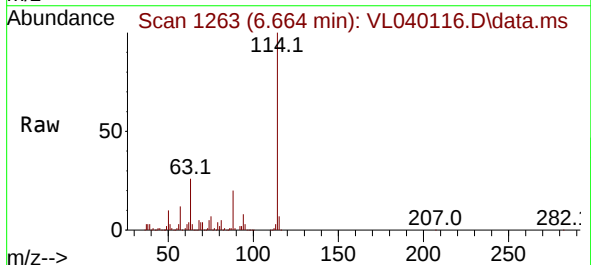
01/20/2023
Supervised By :Mahesh
Dadoda

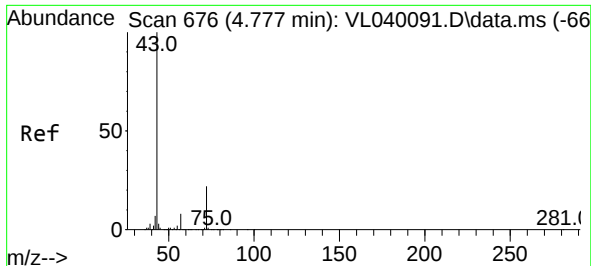
01/20/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.664 min Scan# 1263
Delta R.T. 0.013 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

Tgt Ion:114 Resp: 2863507
Ion Ratio Lower Upper
114 100
63 25.9 21.8 32.8
88 18.4 14.8 22.2





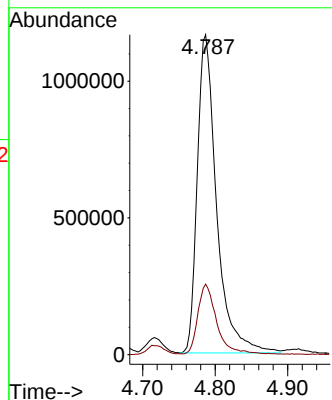
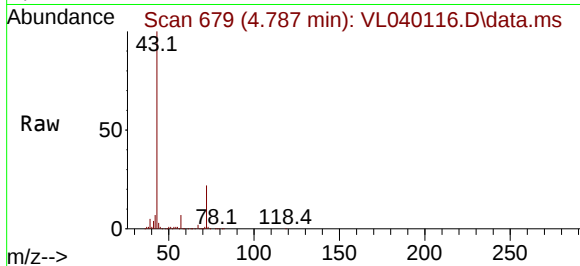
#34
2-Butanone
Concen: 15.929 ppbv
RT: 4.787 min Scan# 61
Delta R.T. 0.010 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

Instrument :
MSVOA_L
ClientSampleId :
VP-3

Tgt Ion: 43 Resp: 215758
Ion Ratio Lower Upper
43 100
72 21.7 18.4 27.6

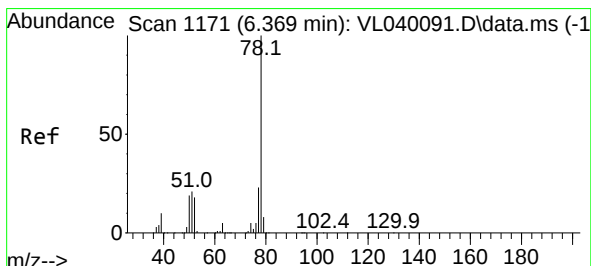
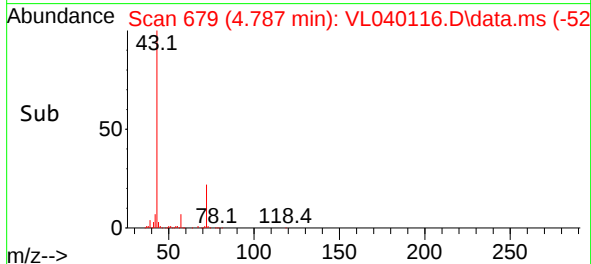
Manual Integrations
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Reviewed By :Semsettin
Yesilyurt



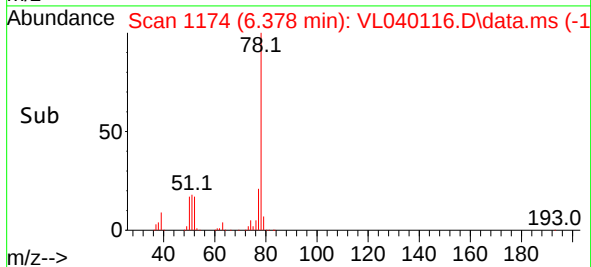
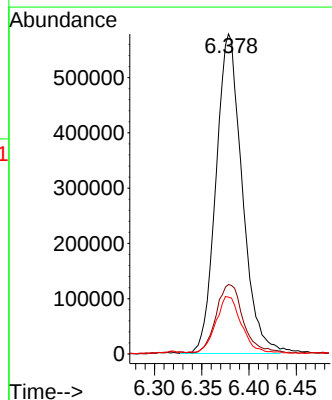
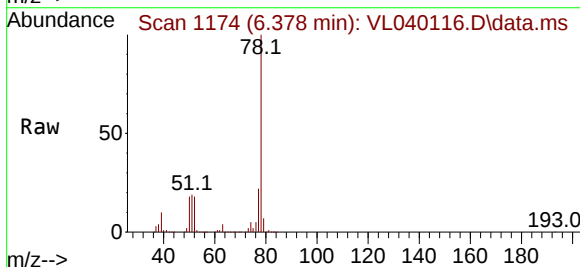
01/20/2023
Supervised By :Mahesh
Dadoda

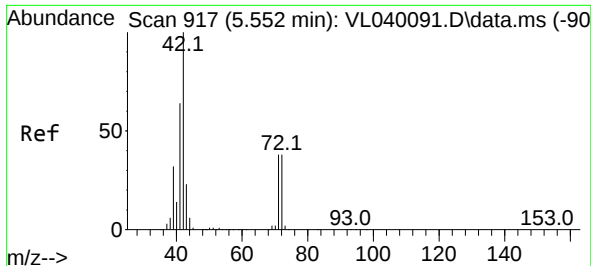
01/20/2023



#36
Benzene
Concen: 5.244 ppbv
RT: 6.378 min Scan# 1174
Delta R.T. 0.010 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

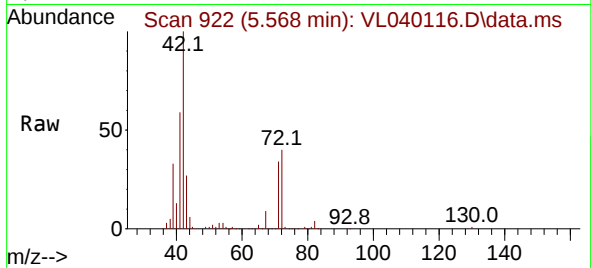
Tgt Ion: 78 Resp: 1111147
Ion Ratio Lower Upper
78 100
77 21.0 18.1 27.1
50 17.3 15.6 23.4





#41
Tetrahydrofuran
Concen: 2.660 ppbv
RT: 5.568 min Scan# 917
Delta R.T. 0.016 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

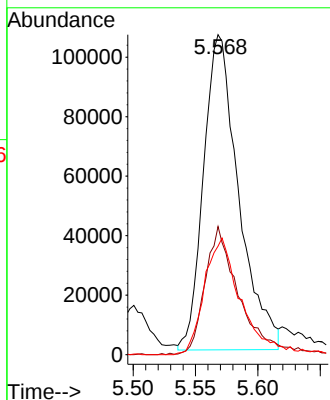
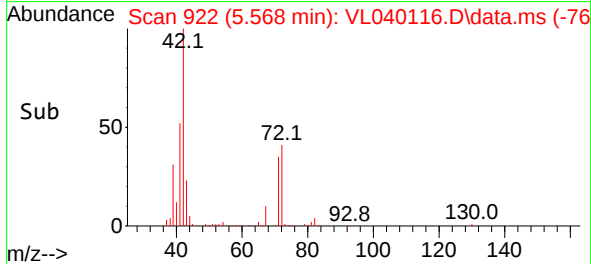
Instrument :
MSVOA_L
ClientSampleId :
VP-3



Tgt Ion: 42 Resp: 20791
Ion Ratio Lower Upper
42 100
72 40.6 31.9 47.9
71 39.4 31.4 47.2

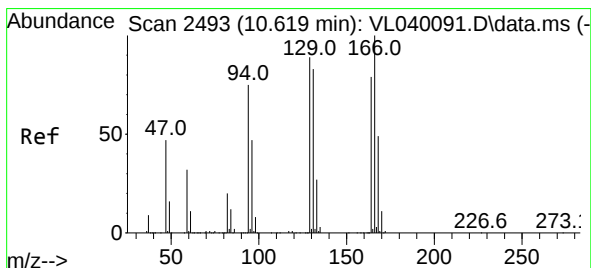
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Reviewed By :Semsettin
Yesilyurt

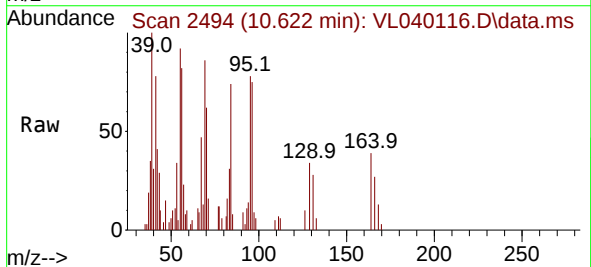


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Supervised By :Mahesh
Dadoda

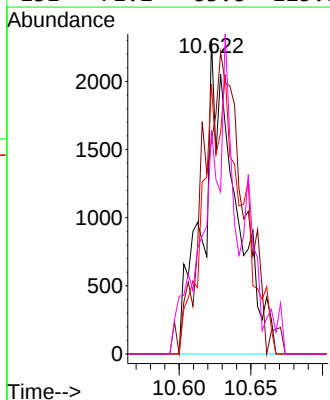
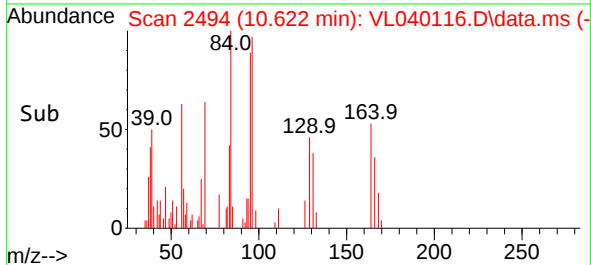
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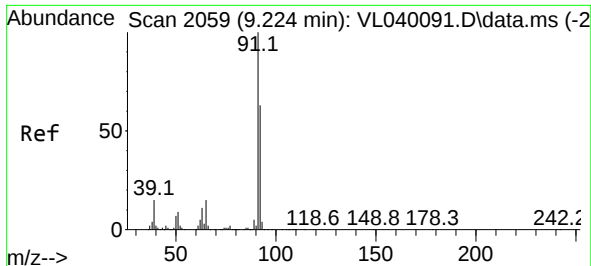


#52
Tetrachloroethene
Concen: 0.054 ppbv m
RT: 10.622 min Scan# 2494
Delta R.T. 0.003 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55



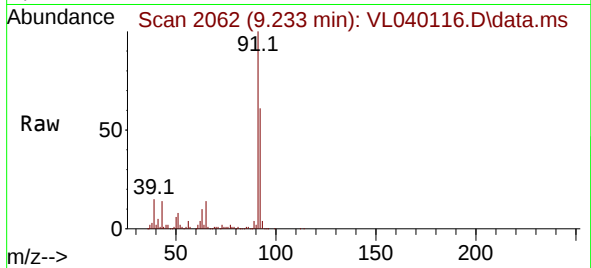
Tgt Ion:164 Resp: 3719
Ion Ratio Lower Upper
164 100
166 67.8 101.2 151.8#
129 85.8 90.2 135.2#
131 71.2 83.8 125.8#





#53
Toluene
Concen: 2.936 ppbv
RT: 9.233 min Scan# 2059
Delta R.T. 0.010 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

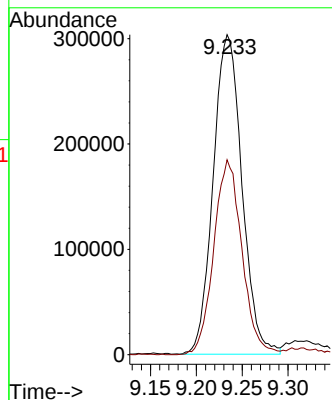
Instrument :
MSVOA_L
ClientSampleId :
VP-3



Tgt Ion: 91 Resp: 663484
Ion Ratio Lower Upper
91 100
92 59.6 48.3 72.5

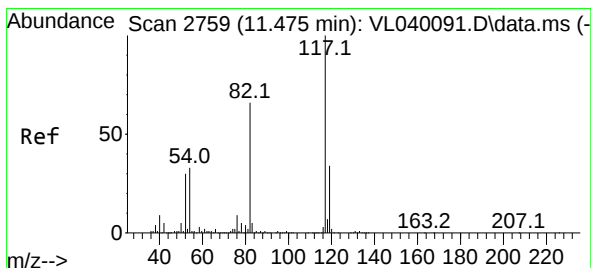
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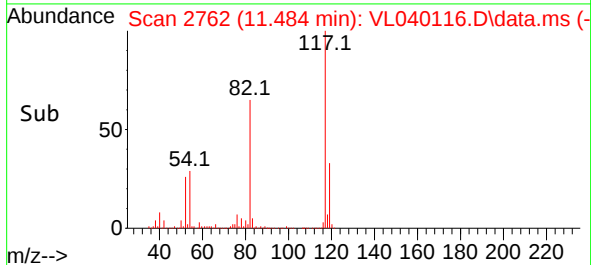
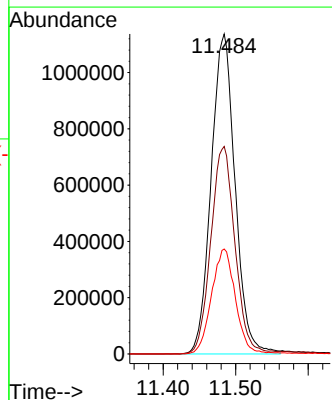
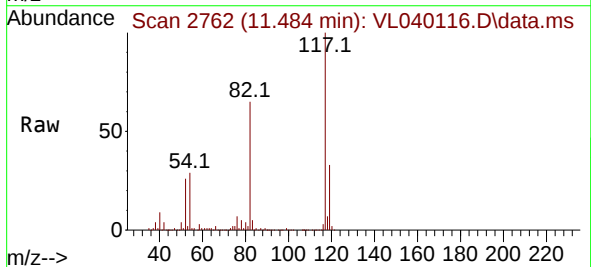
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Supervised By :Mahesh
Dadoda

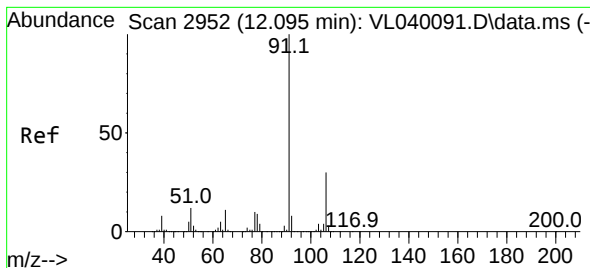
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 2762
Delta R.T. 0.010 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

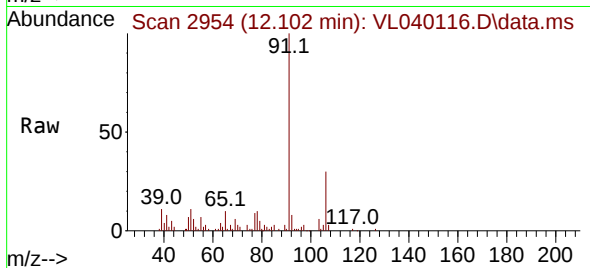
Tgt Ion:117 Resp: 2608285
Ion Ratio Lower Upper
117 100
82 66.6 54.4 81.6
119 33.1 26.8 40.2





#58
Ethyl Benzene
Concen: 0.396 ppbv
RT: 12.102 min Scan# 2954
Delta R.T. 0.006 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

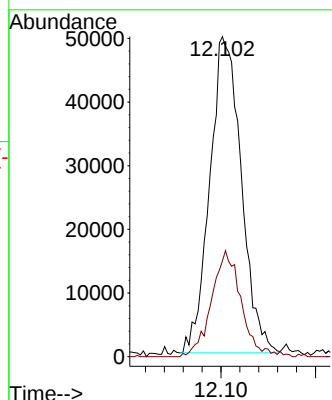
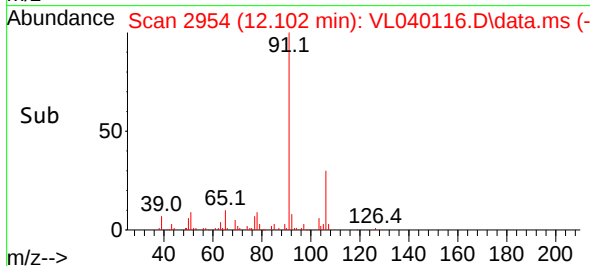
Instrument :
MSVOA_L
ClientSampleId :
VP-3



Tgt Ion: 91 Resp: 115139
Ion Ratio Lower Upper
91 100
106 30.3 23.7 35.5

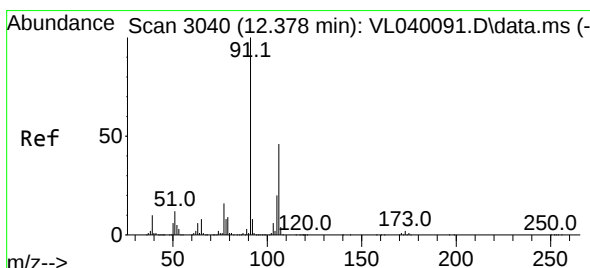
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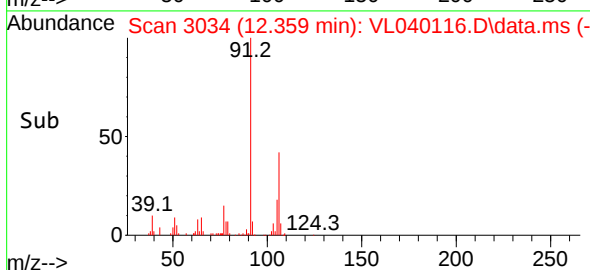
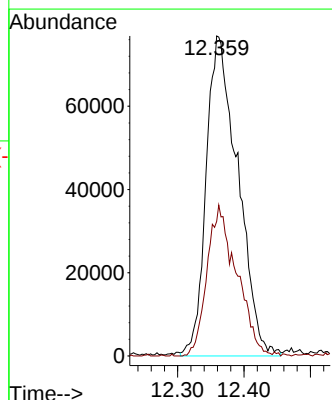
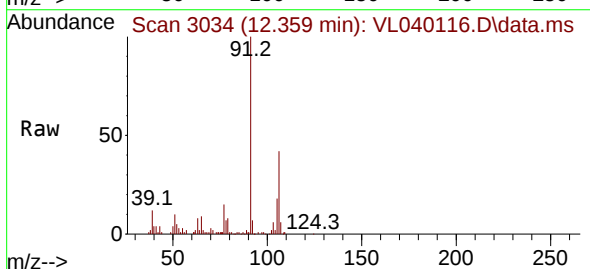
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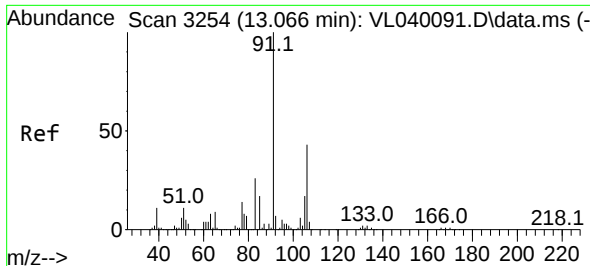
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#59
m/p-Xylene
Concen: 0.972 ppbv m
RT: 12.359 min Scan# 3034
Delta R.T. -0.019 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

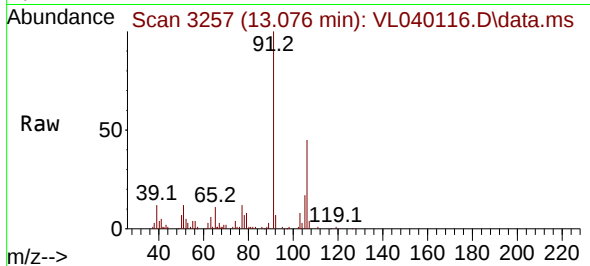
Tgt Ion: 91 Resp: 254492
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.4#





#60
o-Xylene
Concen: 0.381 ppbv
RT: 13.076 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

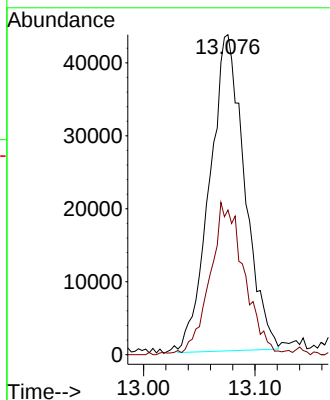
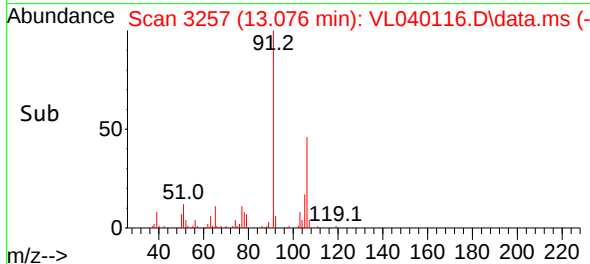
Instrument :
MSVOA_L
ClientSampleId :
VP-3



Tgt Ion: 91 Resp: 94610
Ion Ratio Lower Upper
91 100
106 48.5 21.6 64.8

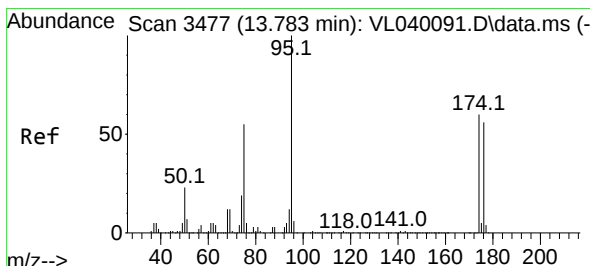
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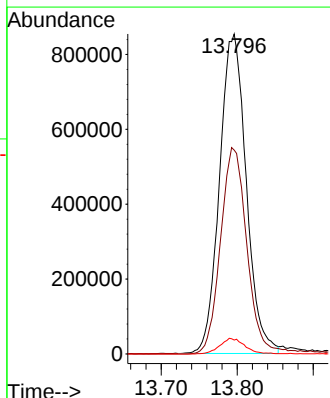
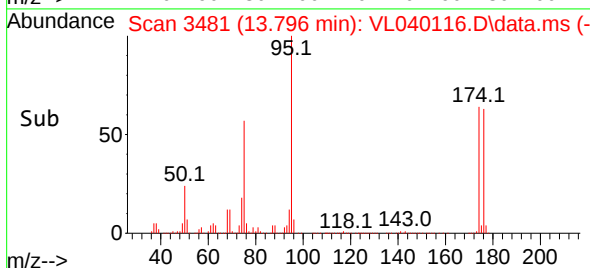
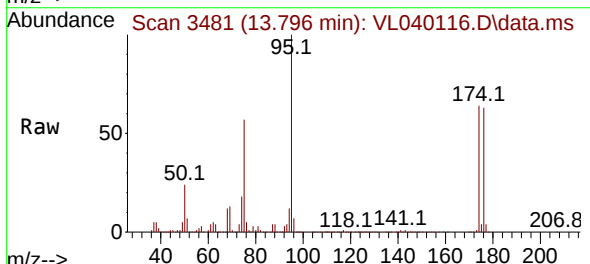
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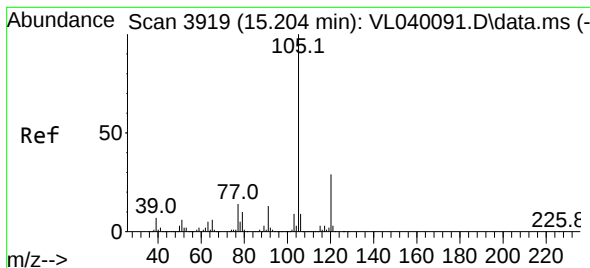
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.611 ppbv
RT: 13.796 min Scan# 3481
Delta R.T. 0.013 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

Tgt Ion: 95 Resp: 2083415
Ion Ratio Lower Upper
95 100
174 65.1 47.7 71.5
175 4.7 3.4 5.2





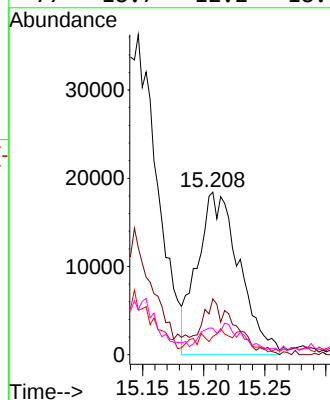
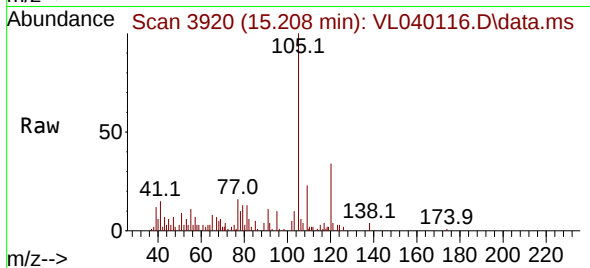
#72
4-Ethyltoluene
Concen: 0.160 ppbv m
RT: 15.208 min Scan# 3919
Delta R.T. 0.003 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

Instrument :
MSVOA_L
ClientSampleId :
VP-3

Tgt Ion:105 Resp: 4408
Ion Ratio Lower Upper
105 100
120 0.0 23.1 34.7
91 14.1 11.2 16.8
77 18.7 12.2 18.4#

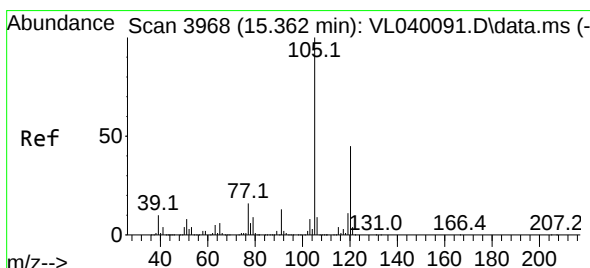
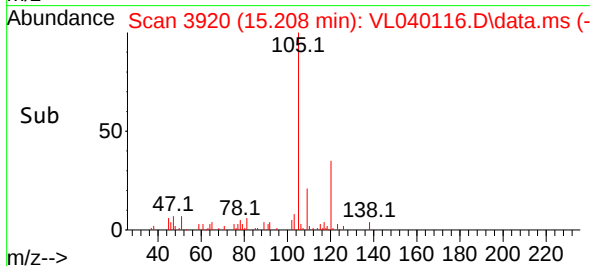
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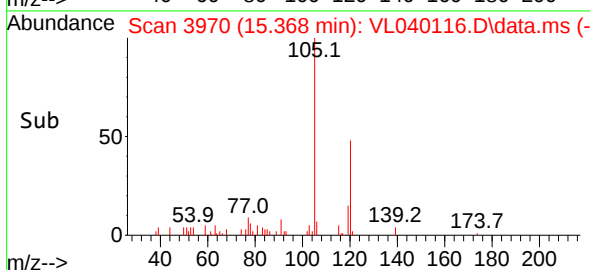
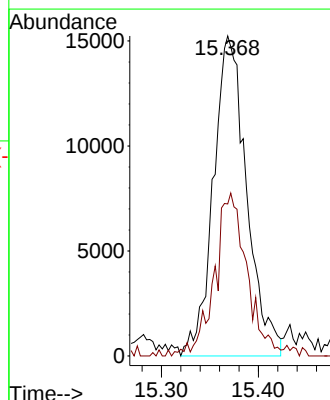
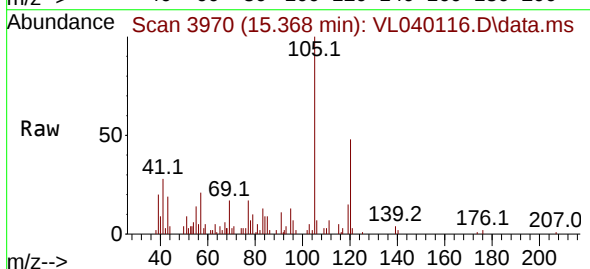
01/20/2023
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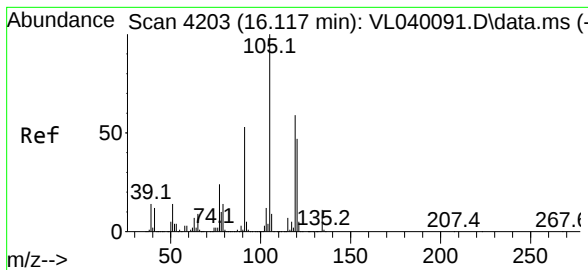
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#73
1,3,5-Trimethylbenzene
Concen: 0.146 ppbv m
RT: 15.368 min Scan# 3970
Delta R.T. 0.006 min
Lab File: VL040116.D
Acq: 19 Jan 2023 16:55

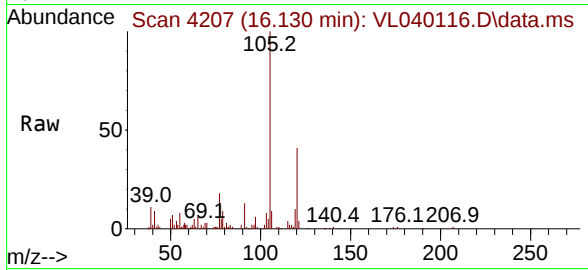
Tgt Ion:105 Resp: 36325
Ion Ratio Lower Upper
105 100
120 47.5 36.2 54.4





#74
 1,2,4-Trimethylbenzene
 Concen: 0.437 ppbv
 RT: 16.130 min Scan# 41
 Delta R.T. 0.013 min
 Lab File: VL040116.D
 Acq: 19 Jan 2023 16:55

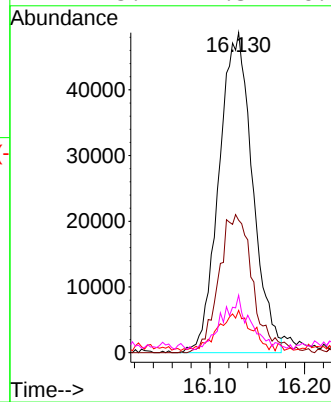
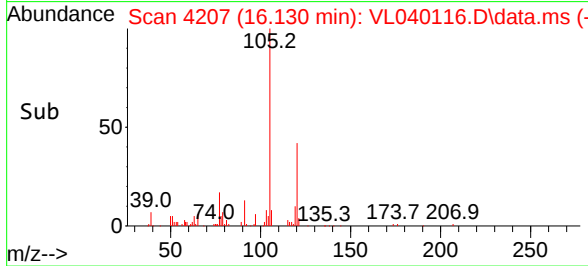
Instrument :
 MSVOA_L
 ClientSampleId :
 VP-3



Tgt Ion:	105	Resp:	12014
Ion Ratio	Lower	Upper	
105	100		
120	41.1	38.0	57.0
91	12.5	42.1	63.1
77	15.9	19.3	28.9

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 Yesilyurt



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 Supervised By :Mahesh
 Dadoda

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