

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
 Data File : VL040203.D
 Acq On : 21 Feb 2023 20:30
 Operator : SY/MD
 Sample : 01626-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-21

Manual Integrations
 APPROVED

Reviewed By :Krupa Patel 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023

Quant Time: Feb 22 03:26:48 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M

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

QLast Update : Wed Feb 22 03:17:31 2023

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	5.195	49	853911	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	6.658	114	2221853	10.000	ppbv	-0.02
55) Chlorobenzene-d5	11.478	117	1960294	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	1610470	9.991	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.729	85	37294	0.234	ppbv	99
3) Chlorodifluoromethane	2.671	51	127927m	1.254	ppbv	
4) Chloromethane	2.812	50	32262	0.504	ppbv	88
9) Propene	2.703	41	273825m	6.585	ppbv	
10) Heptane	7.584	43	22169m	0.224	ppbv	
11) Trichlorofluoromethane	3.568	101	30980m	0.217	ppbv	
13) Ethanol	3.240	45	3460805	904.095	ppbv	94
15) Acetone	3.465	43	1356771	13.197	ppbv	99
17) tert-Butyl alcohol	3.899	59	18445m	0.197	ppbv	
19) Isopropyl Alcohol	3.581	45	2715881	55.574	ppbv #	96
20) Methylene Chloride	3.935	84	174535	3.261	ppbv	95
25) Ethyl Acetate	5.214	43	164834	0.862	ppbv #	94
30) Cyclohexane	6.603	84	8857m	0.137	ppbv	
34) 2-Butanone	4.796	43	48635	0.444	ppbv #	89
35) Carbon Tetrachloride	6.500	117	8855	0.067	ppbv #	78
36) Benzene	6.375	78	161449	0.934	ppbv	98
44) 2,2,4-Trimethylpentane	7.336	57	87244	0.302	ppbv #	79
52) Tetrachloroethene	10.635	164	2323m	0.043	ppbv	
53) Toluene	9.230	91	366654	1.980	ppbv	99
58) Ethyl Benzene	12.101	91	59352m	0.249	ppbv	
59) m/p-Xylene	12.355	91	160887	0.763	ppbv	99
60) o-Xylene	13.072	91	55730m	0.275	ppbv	

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

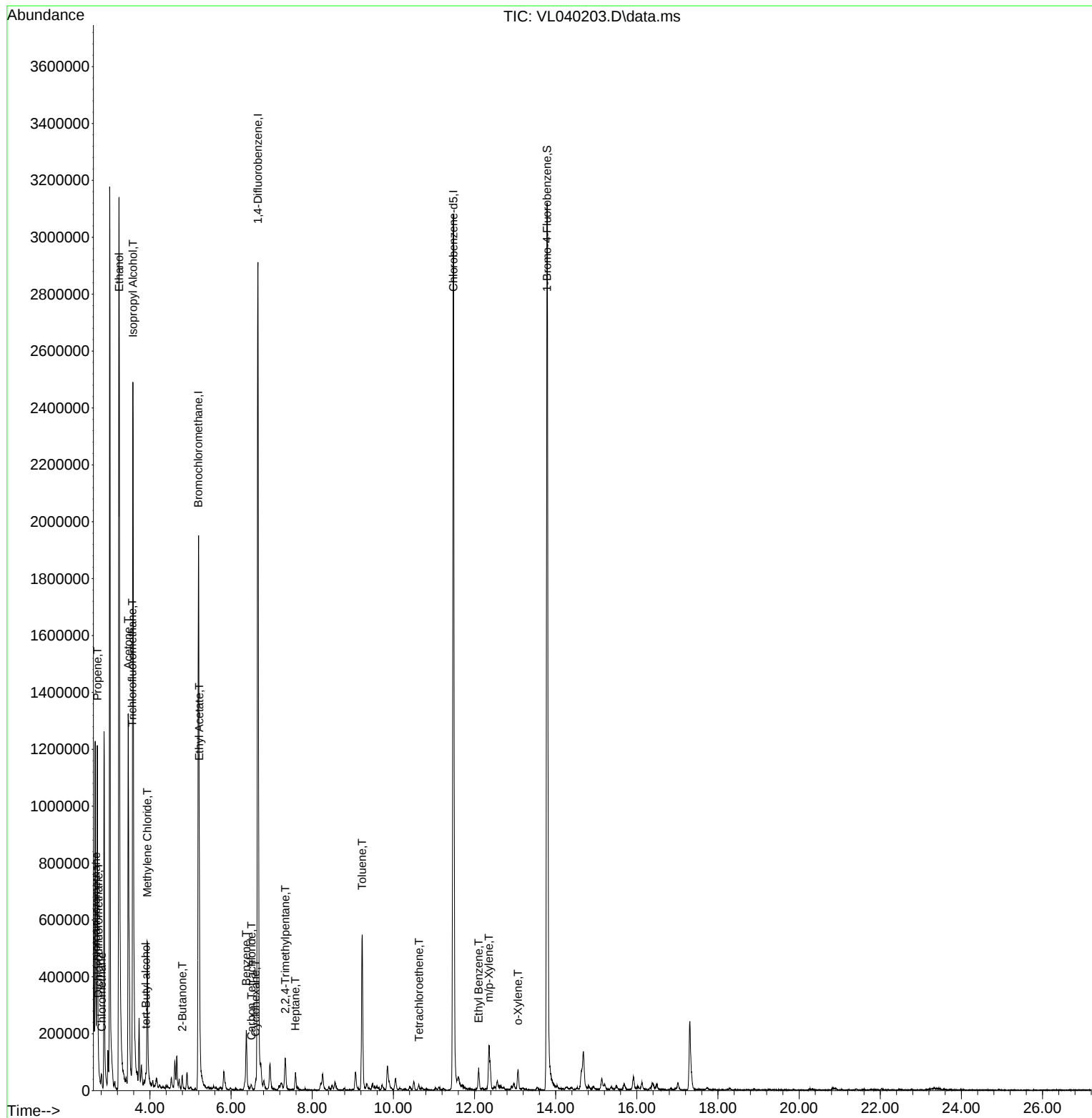
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022123\
Data File : VL040203.D
Acq On : 21 Feb 2023 20:30
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Misc : 400mL/MSVOA_L
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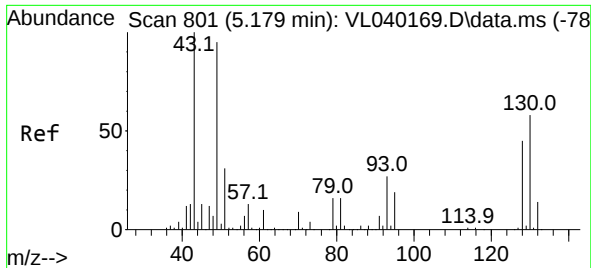
Instrument :
MSVOA_L
ClientSampleId :
IA-21

Quant Time: Feb 22 03:26:48 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL021523AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed Feb 22 03:17:31 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

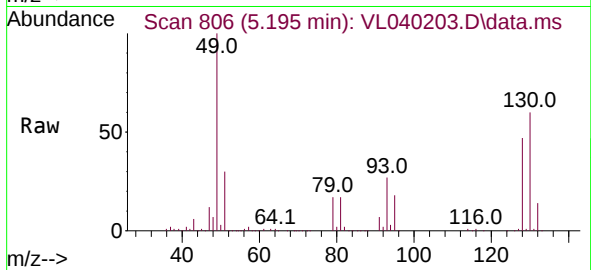
Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. -0.010 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

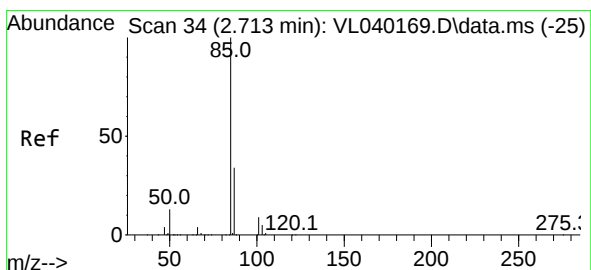
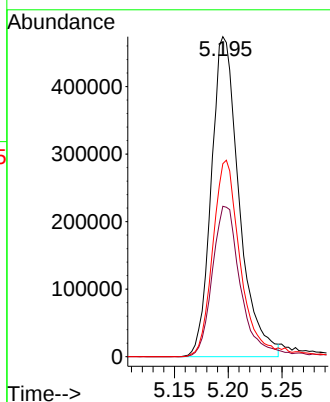
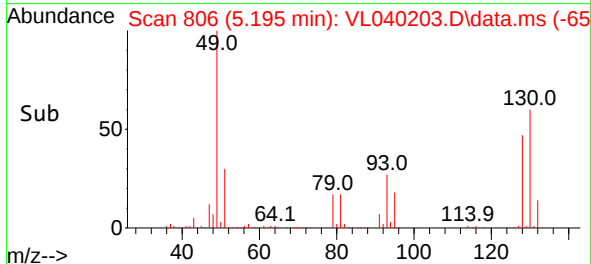
Instrument :
MSVOA_L
ClientSampleId :
IA-21



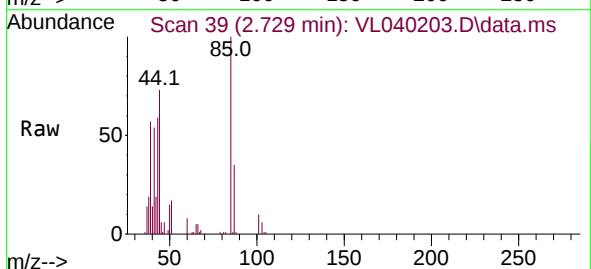
Tgt Ion: 49 Resp: 85391
Ion Ratio Lower Upper
49 100
128 49.1 24.1 72.3
130 63.3 30.9 92.8

Manual Integrations
APPROVED

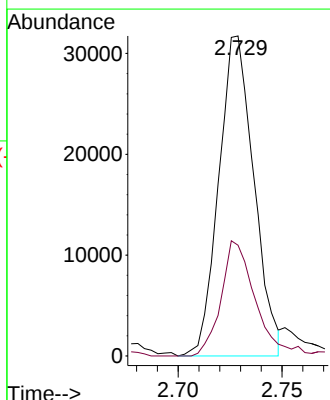
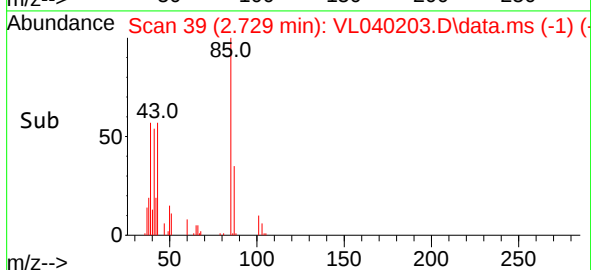
Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

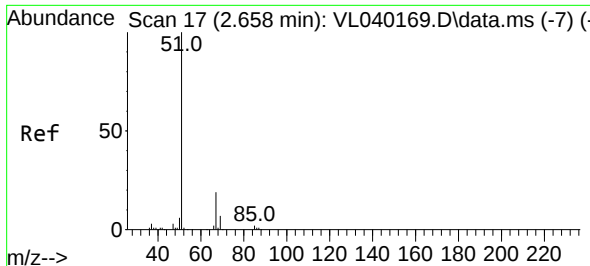


#2
Dichlorodifluoromethane
Concen: 0.234 ppbv
RT: 2.729 min Scan# 39
Delta R.T. -0.000 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30



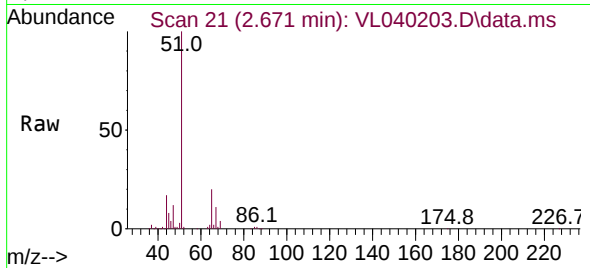
Tgt Ion: 85 Resp: 37294
Ion Ratio Lower Upper
85 100
87 34.6 27.0 40.6





#3
Chlorodifluoromethane
Concen: 1.254 ppbv m
RT: 2.671 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

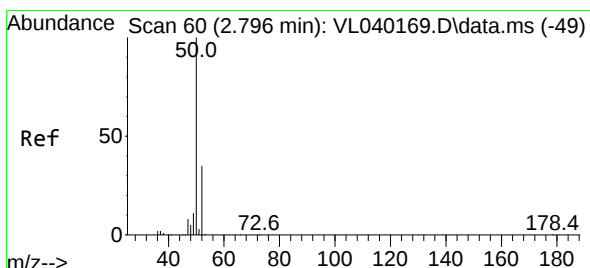
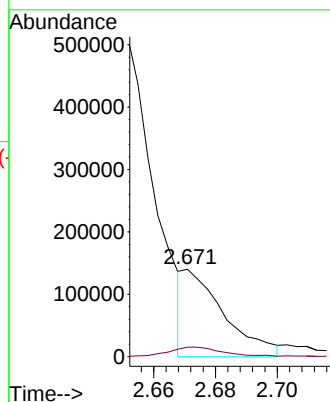
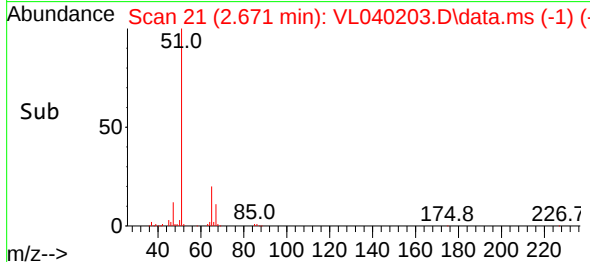
Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 51 Resp: 12792
Ion Ratio Lower Upper
51 100
67 16.1 15.4 23.2

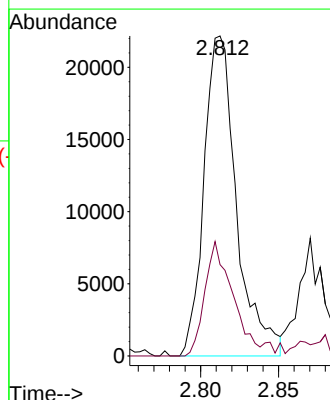
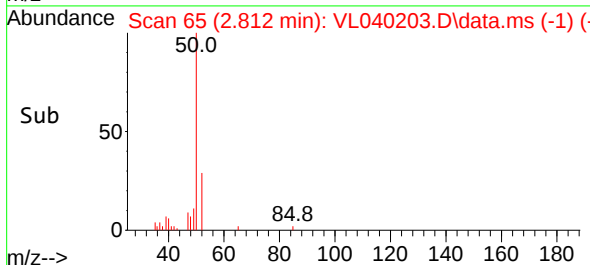
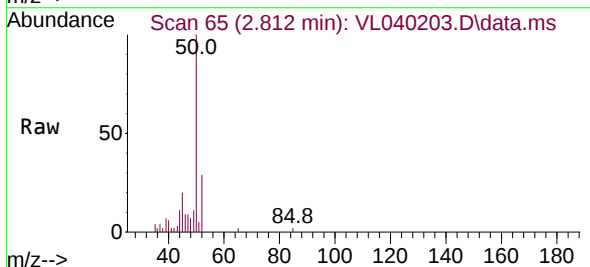
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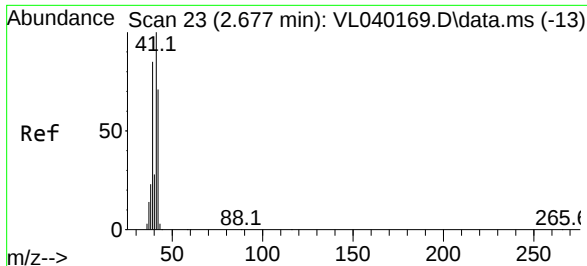
Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#4
Chloromethane
Concen: 0.504 ppbv
RT: 2.812 min Scan# 65
Delta R.T. -0.000 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

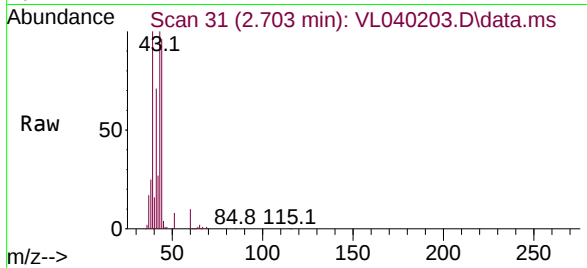
Tgt Ion: 50 Resp: 32262
Ion Ratio Lower Upper
50 100
52 28.6 28.3 42.5





#9
 Propene
 Concen: 6.585 ppbv m
 RT: 2.703 min Scan# 31
 Delta R.T. 0.010 min
 Lab File: VL040203.D
 Acq: 21 Feb 2023 20:30

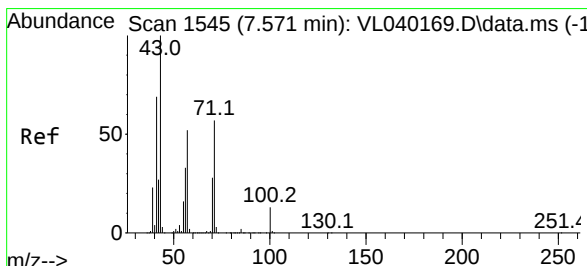
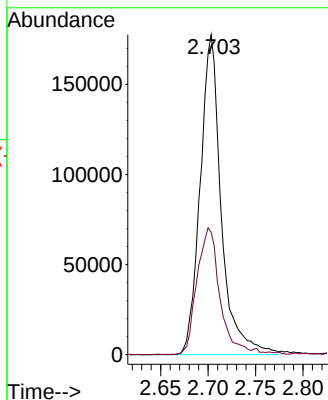
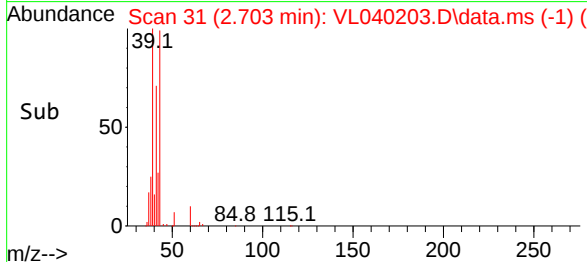
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-21



Tgt Ion: 41 Resp: 27382
 Ion Ratio Lower Upper
 41 100
 42 80.7 56.9 85.3

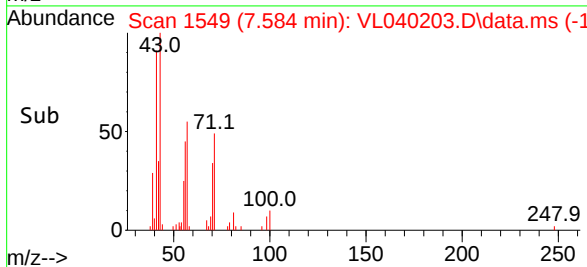
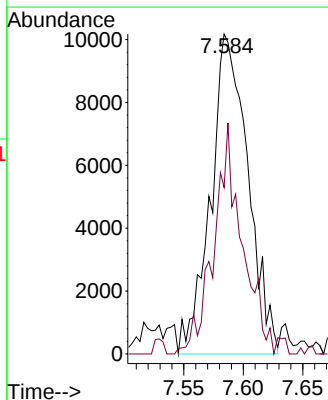
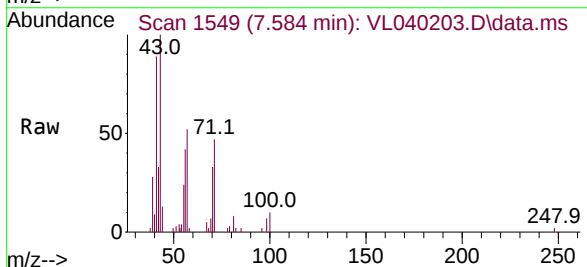
Manual Integrations
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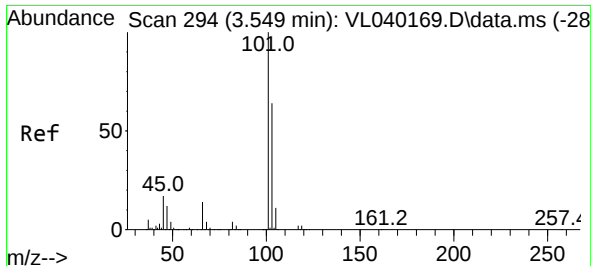
Reviewed By :Krupa Patel 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023



#10
 Heptane
 Concen: 0.224 ppbv m
 RT: 7.584 min Scan# 1549
 Delta R.T. -0.019 min
 Lab File: VL040203.D
 Acq: 21 Feb 2023 20:30

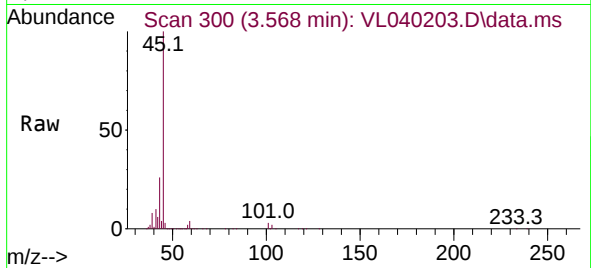
Tgt Ion: 43 Resp: 22169
 Ion Ratio Lower Upper
 43 100
 57 57.5 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.217 ppbv m
RT: 3.568 min Scan# 300
Delta R.T. -0.000 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

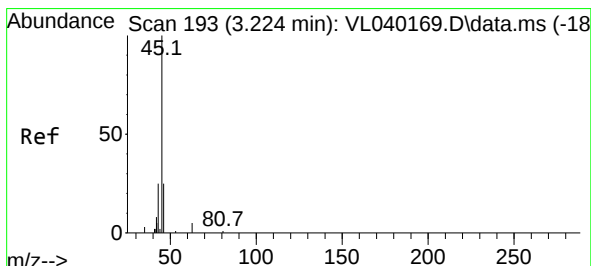
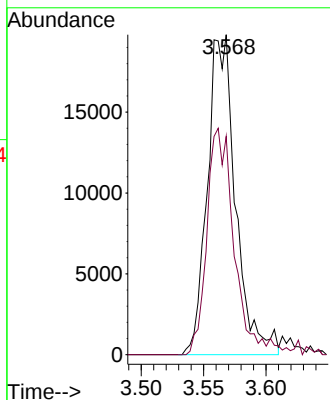
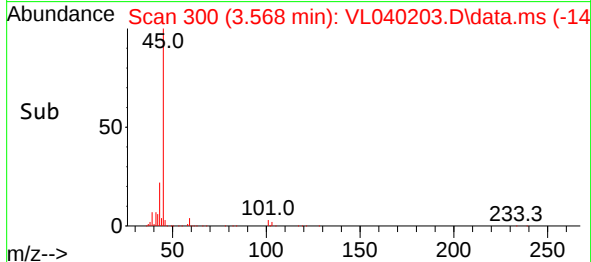
Instrument :
MSVOA_L
ClientSampleId :
IA-21



Tgt Ion:101 Resp: 30980
Ion Ratio Lower Upper
101 100
103 68.2 51.0 76.6

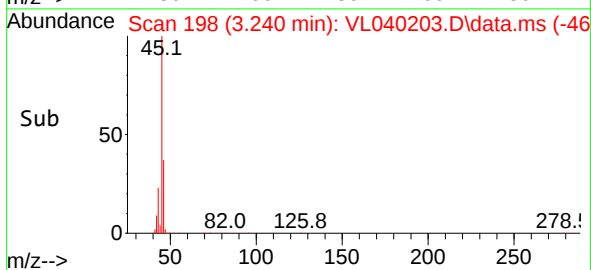
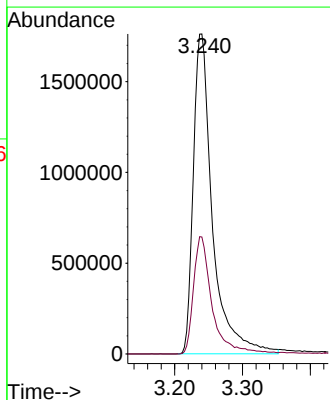
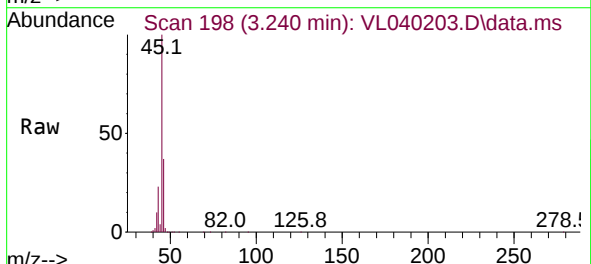
Manual Integrations
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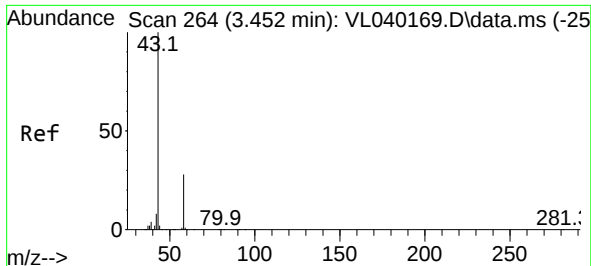
Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#13
Ethanol
Concen: 904.095 ppbv
RT: 3.240 min Scan# 198
Delta R.T. -0.010 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

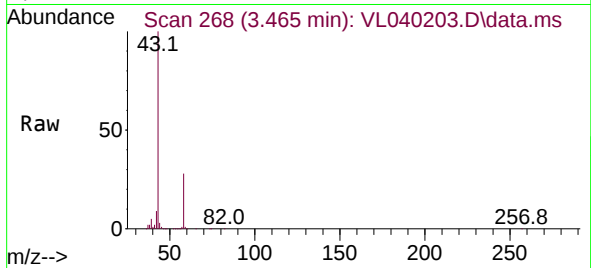
Tgt Ion: 45 Resp: 3460805
Ion Ratio Lower Upper
45 100
46 36.4 13.3 53.1





#15
Acetone
Concen: 13.197 ppbv
RT: 3.465 min Scan# 20
Delta R.T. -0.007 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

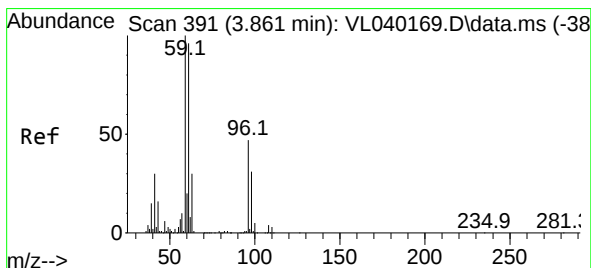
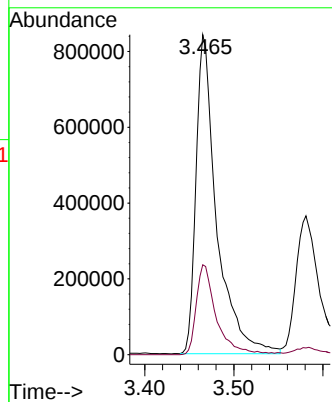
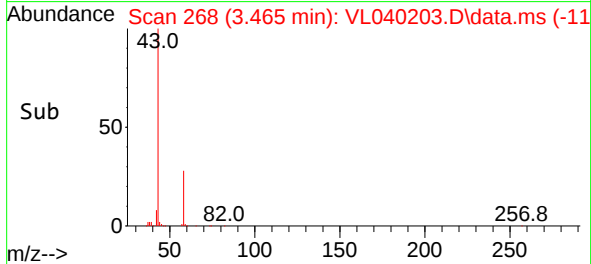
Instrument :
MSVOA_L
ClientSampleId :
IA-21



Tgt Ion: 43 Resp: 135677
Ion Ratio Lower Upper
43 100
58 27.6 22.4 33.6

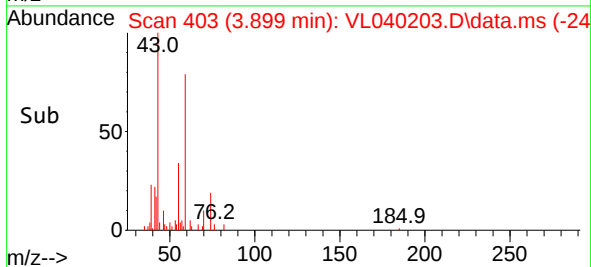
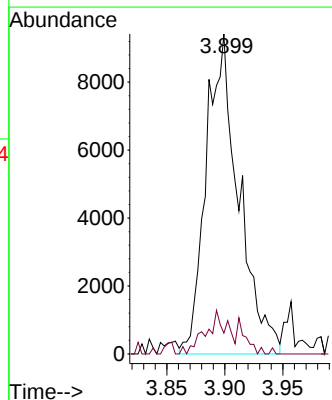
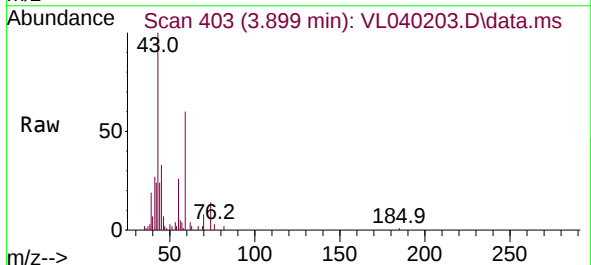
Manual Integrations
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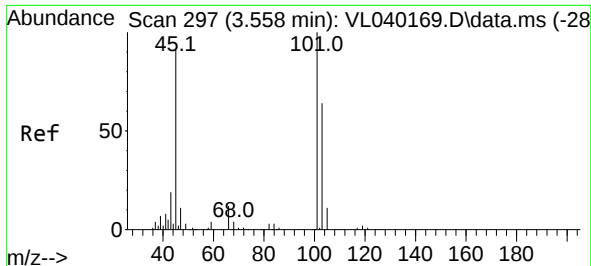
Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#17
tert-Butyl alcohol
Concen: 0.197 ppbv m
RT: 3.899 min Scan# 403
Delta R.T. 0.013 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

Tgt Ion: 59 Resp: 18445
Ion Ratio Lower Upper
59 100
57 0.0 8.5 12.7#





#19

Isopropyl Alcohol

Concen: 55.574 ppbv

RT: 3.581 min Scan# 304

Delta R.T. -0.000 min

Lab File: VL040203.D

Acq: 21 Feb 2023 20:30

Instrument :

MSVOA_L

ClientSampleId :

IA-21

Tgt Ion: 45 Resp: 271588

Ion Ratio Lower Upper

45 100

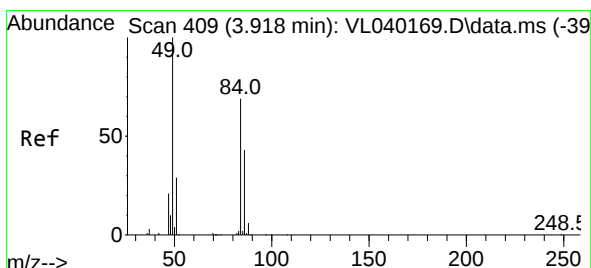
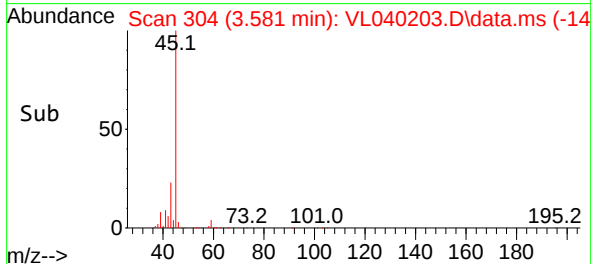
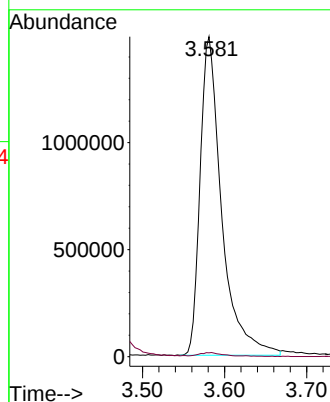
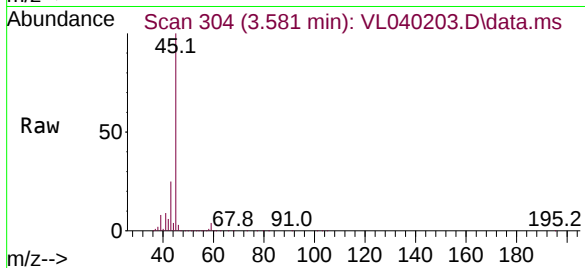
58 1.8 2.6 3.8

Manual Integrations

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Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#20

Methylene Chloride

Concen: 3.261 ppbv

RT: 3.935 min Scan# 414

Delta R.T. -0.003 min

Lab File: VL040203.D

Acq: 21 Feb 2023 20:30

Tgt Ion: 84 Resp: 174535

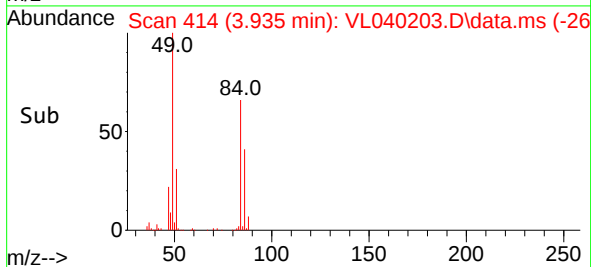
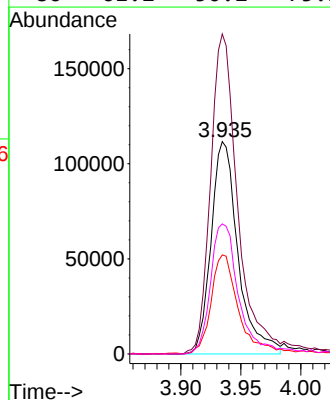
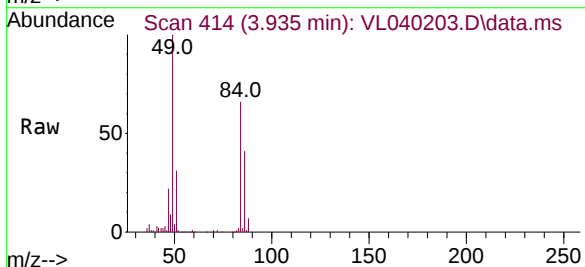
Ion Ratio Lower Upper

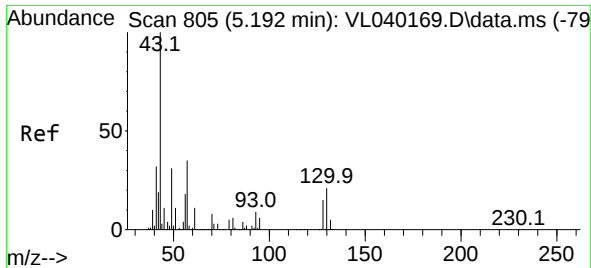
84 100

49 150.7 115.5 173.3

51 46.4 33.1 49.7

86 61.2 50.2 75.2





#25

Ethyl Acetate

Concen: 0.862 ppbv

RT: 5.214 min Scan# 812

Delta R.T. -0.003 min

Lab File: VL040203.D

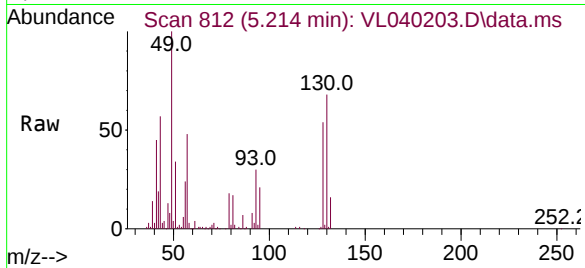
Acq: 21 Feb 2023 20:30

Instrument :

MSVOA_L

ClientSampleId :

IA-21



Tgt Ion: 43 Resp: 164834

Ion Ratio Lower Upper

43 100

45 8.9 8.3 12.5

61 7.1 8.4 12.6

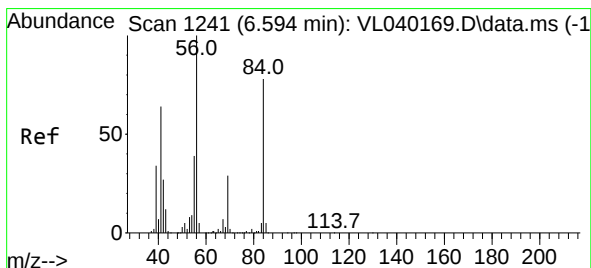
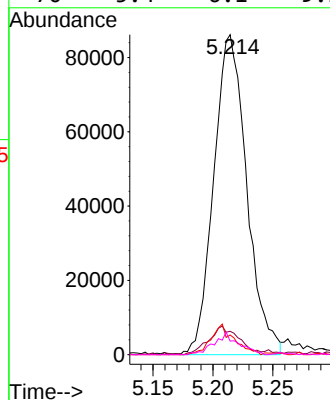
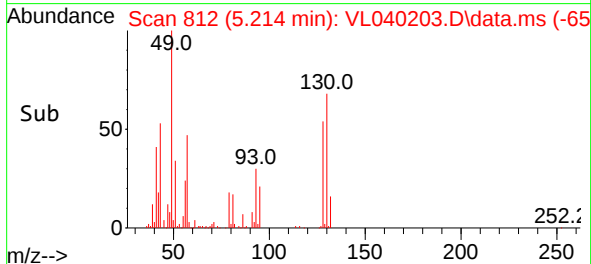
70 5.4 6.1 9.1#

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#30

Cyclohexane

Concen: 0.137 ppbv m

RT: 6.603 min Scan# 1244

Delta R.T. -0.019 min

Lab File: VL040203.D

Acq: 21 Feb 2023 20:30

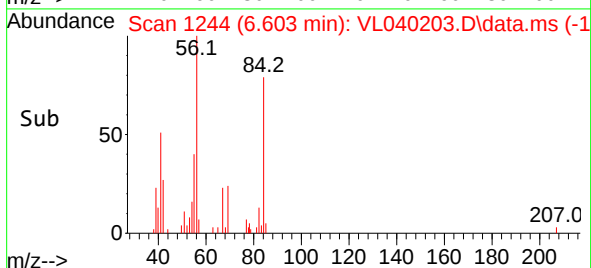
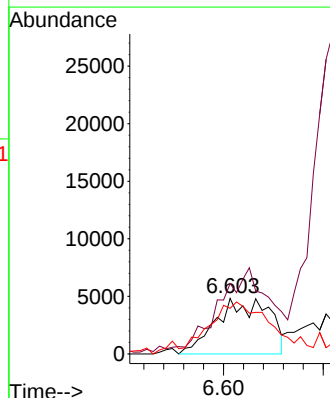
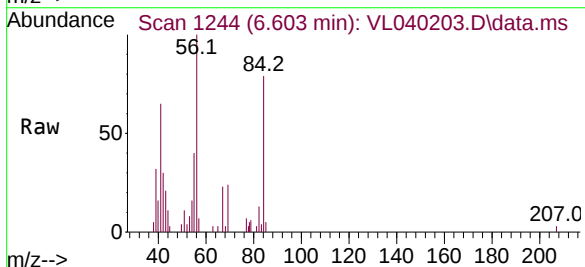
Tgt Ion: 84 Resp: 8857

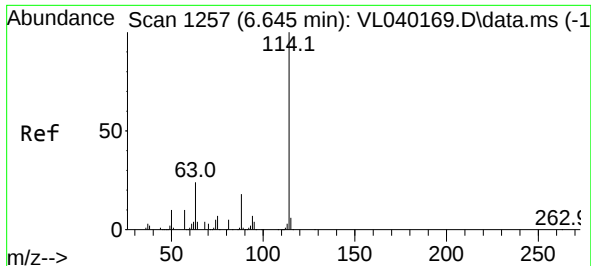
Ion Ratio Lower Upper

84 100

56 152.1 109.9 164.9

41 0.0 67.8 101.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 11

Delta R.T. -0.016 min

Lab File: VL040203.D

Acq: 21 Feb 2023 20:30

Instrument :

MSVOA_L

ClientSampleId :

IA-21

Tgt Ion:114 Resp: 222185

Ion Ratio Lower Upper

114 100

63 25.1 20.4 30.6

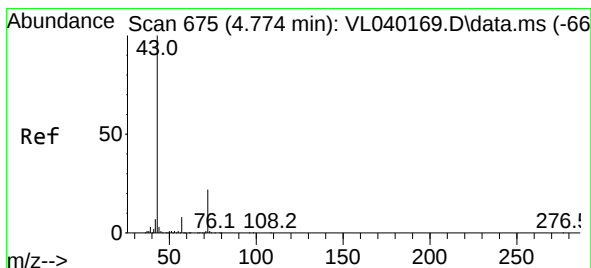
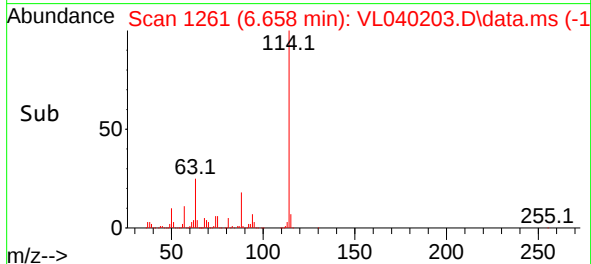
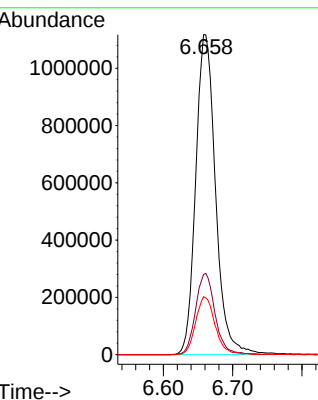
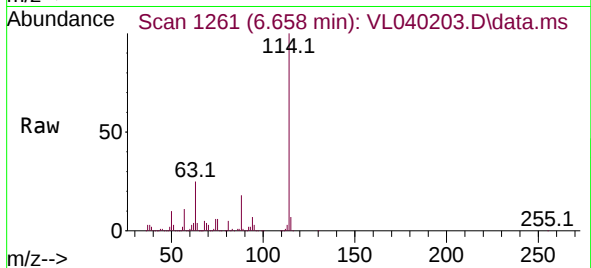
88 17.9 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Krupa Patel 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#34

2-Butanone

Concen: 0.444 ppbv

RT: 4.796 min Scan# 682

Delta R.T. -0.000 min

Lab File: VL040203.D

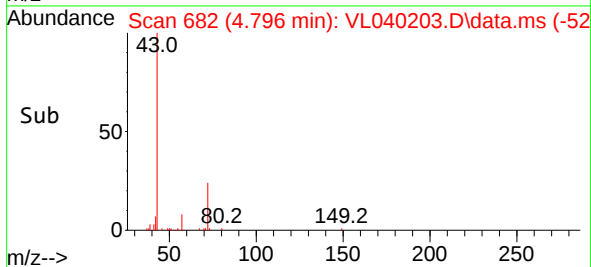
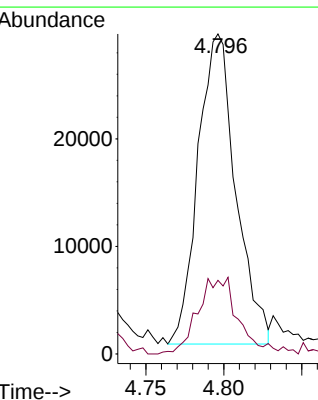
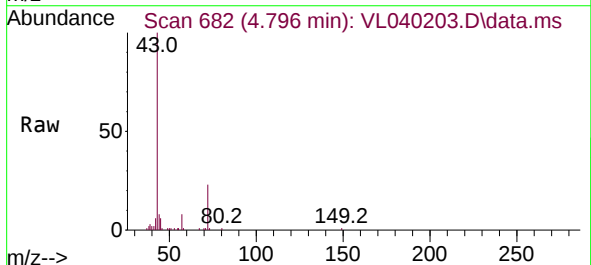
Acq: 21 Feb 2023 20:30

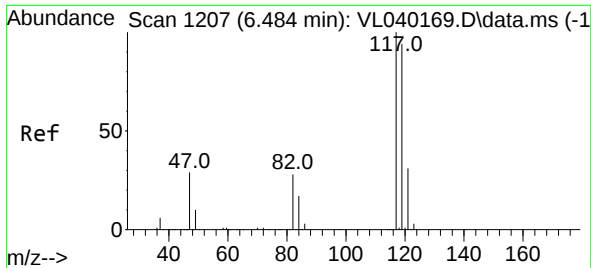
Tgt Ion: 43 Resp: 48635

Ion Ratio Lower Upper

43 100

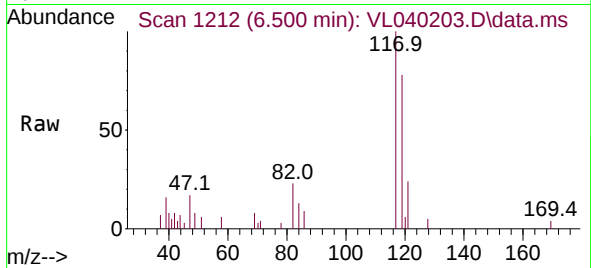
72 27.5 17.8 26.8#





#35
Carbon Tetrachloride
Concen: 0.067 ppbv
RT: 6.500 min Scan# 1173
Delta R.T. -0.013 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

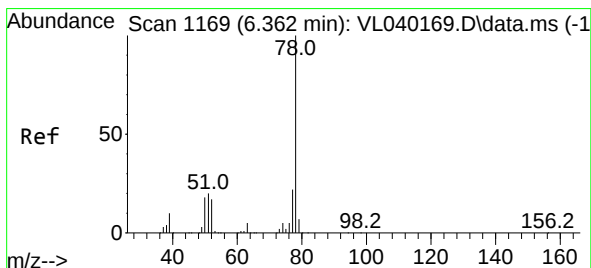
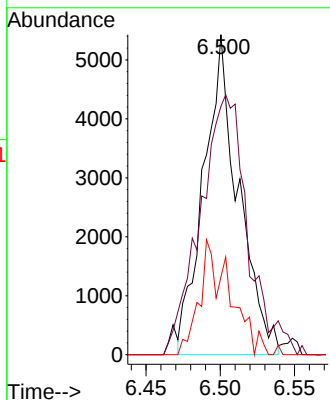
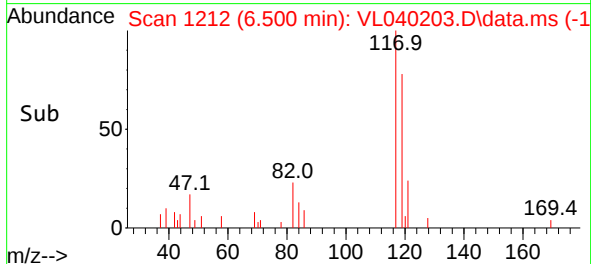
Instrument : MSVOA_L
ClientSampleId : IA-21



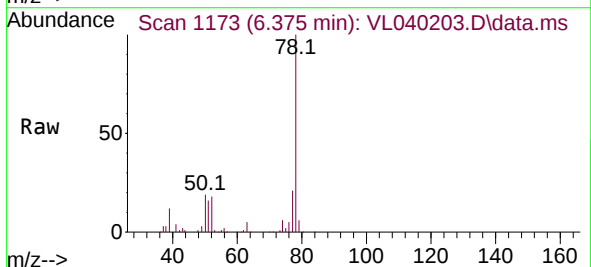
Tgt Ion: 117 Resp: 885
Ion Ratio Lower Upper
117 100
119 68.9 75.0 112.6
121 24.9 25.0 37.4

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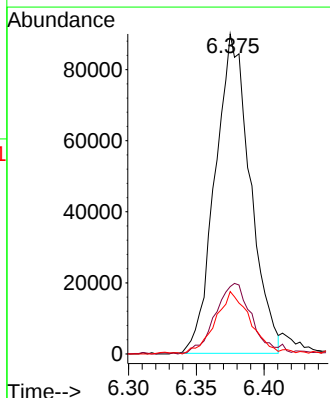
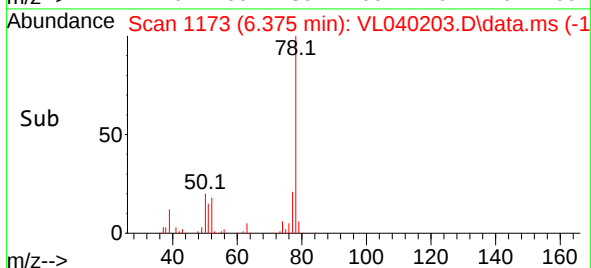
Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

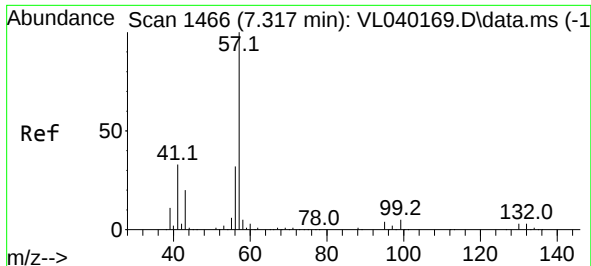


#36
Benzene
Concen: 0.934 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. -0.013 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30



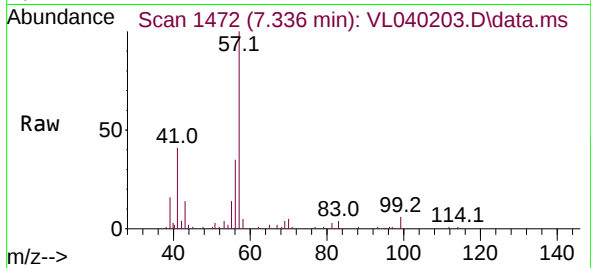
Tgt Ion: 78 Resp: 161449
Ion Ratio Lower Upper
78 100
77 21.2 17.5 26.3
50 19.2 14.6 22.0





#44
2,2,4-Trimethylpentane
Concen: 0.302 ppbv
RT: 7.336 min Scan# 1466
Delta R.T. -0.010 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

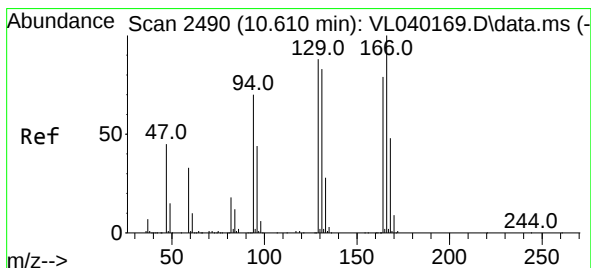
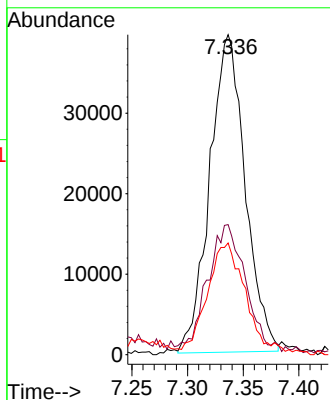
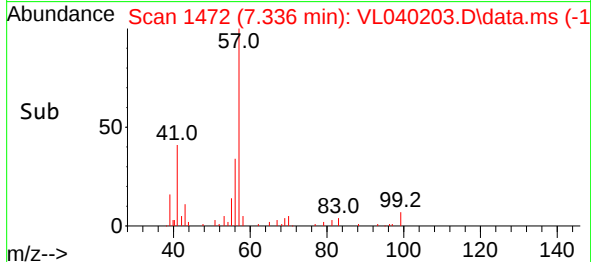
Instrument :
MSVOA_L
ClientSampleId :
IA-21



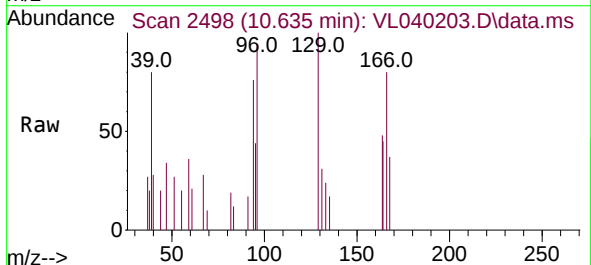
Tgt Ion: 57 Resp: 87244
Ion Ratio Lower Upper
57 100
41 47.8 26.2 39.4#
56 39.4 24.9 37.3#

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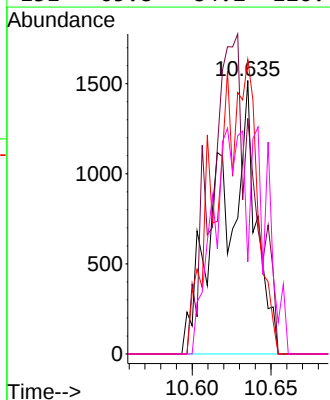
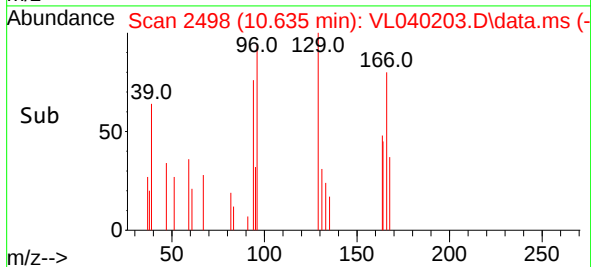
Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

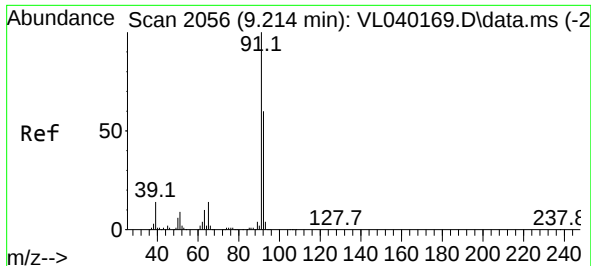


#52
Tetrachloroethene
Concen: 0.043 ppbv m
RT: 10.635 min Scan# 2498
Delta R.T. -0.007 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30



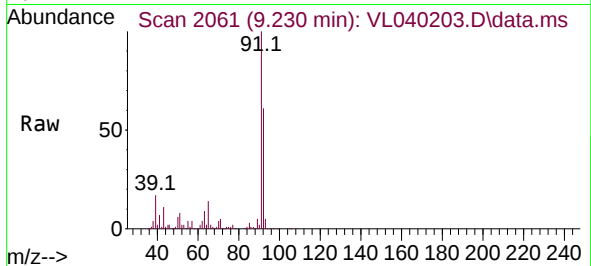
Tgt Ion:164 Resp: 2323
Ion Ratio Lower Upper
164 100
166 168.0 101.5 152.3#
129 210.0 89.0 133.4#
131 65.8 84.2 126.4#





#53
Toluene
Concen: 1.980 ppbv
RT: 9.230 min Scan# 2056
Delta R.T. -0.016 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

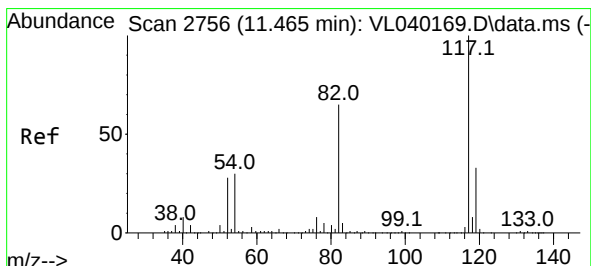
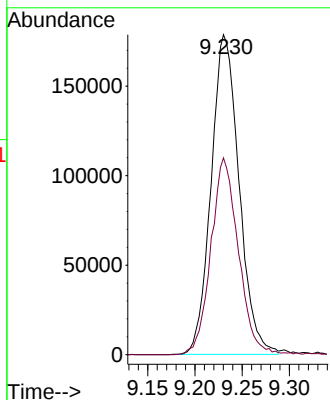
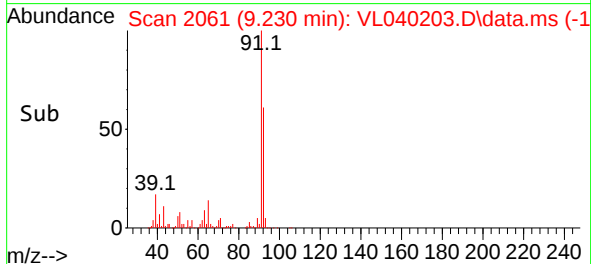
Instrument :
MSVOA_L
ClientSampleId :
IA-21



Tgt Ion: 91 Resp: 366654
Ion Ratio Lower Upper
91 100
92 60.6 48.9 73.3

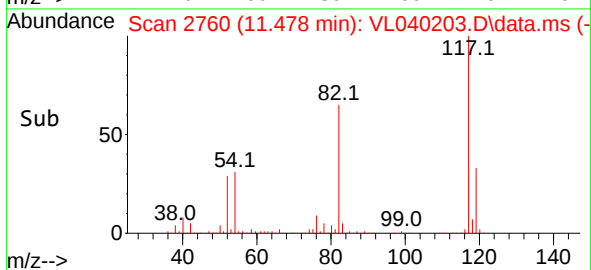
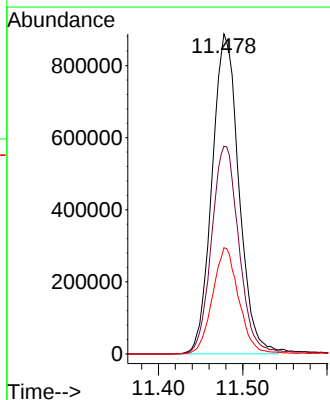
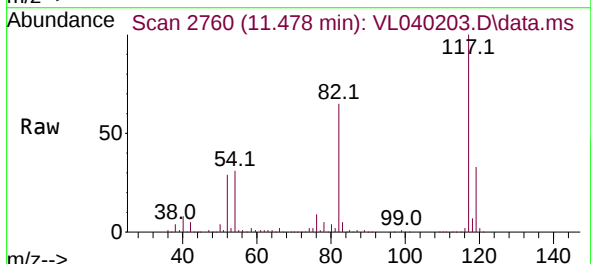
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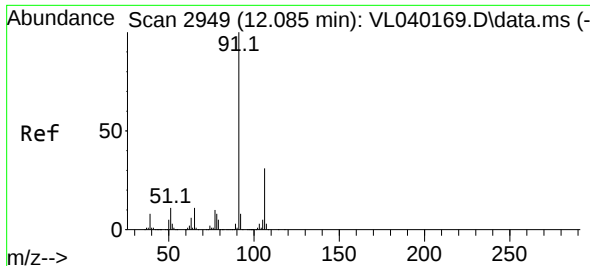
Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. -0.016 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

Tgt Ion:117 Resp: 1960294
Ion Ratio Lower Upper
117 100
82 67.5 53.3 79.9
119 32.6 24.6 37.0





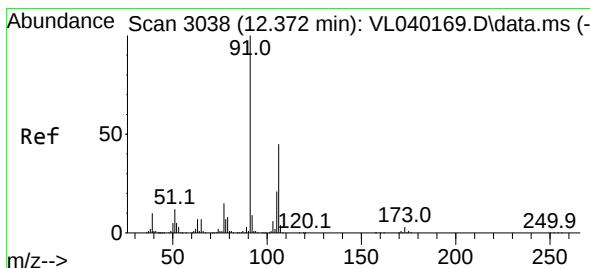
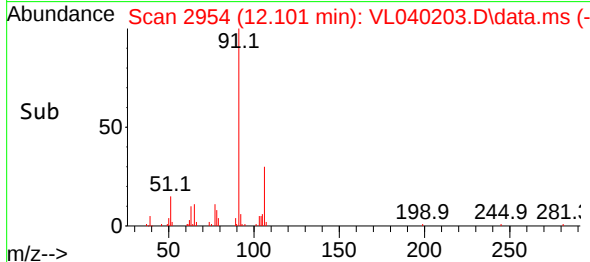
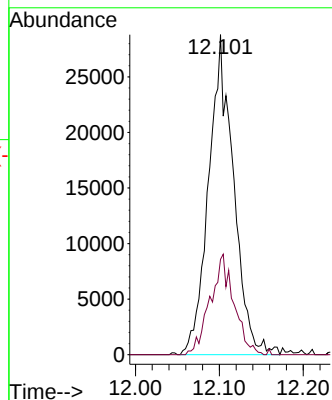
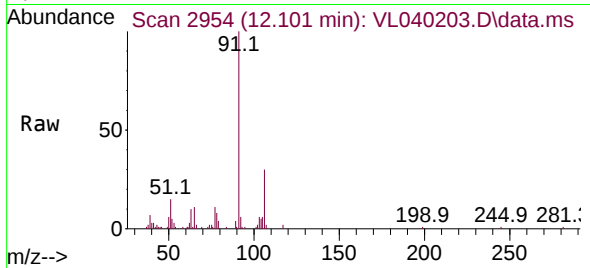
#58
Ethyl Benzene
Concen: 0.249 ppbv m
RT: 12.101 min Scan# 2949
Delta R.T. -0.016 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

Instrument :
MSVOA_L
ClientSampleId :
IA-21

Tgt Ion: 91 Resp: 59352
Ion Ratio Lower Upper
91 100
106 29.8 24.9 37.3

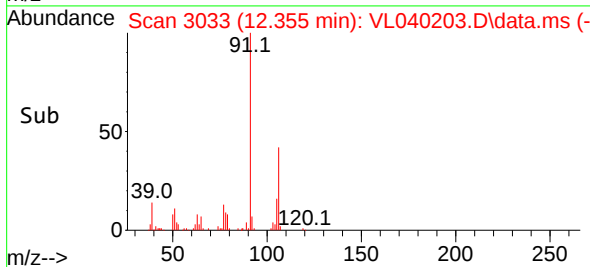
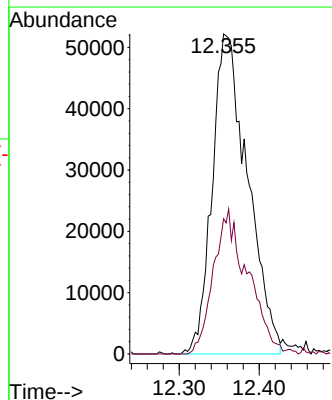
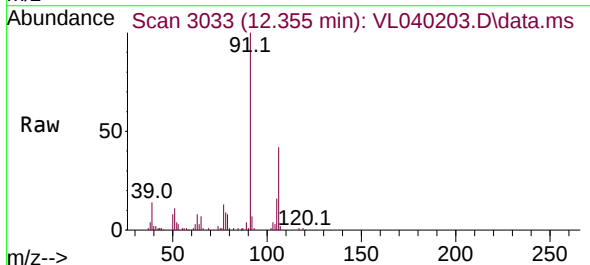
Manual Integrations
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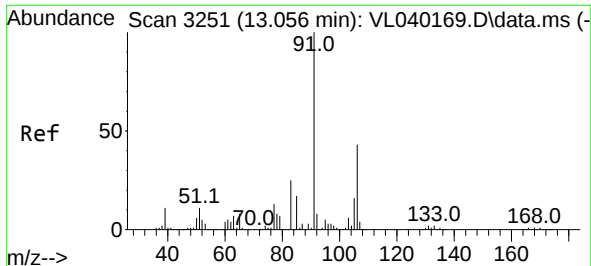
Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#59
m/p-Xylene
Concen: 0.763 ppbv
RT: 12.355 min Scan# 3033
Delta R.T. -0.042 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

Tgt Ion: 91 Resp: 160887
Ion Ratio Lower Upper
91 100
106 43.9 34.6 51.8





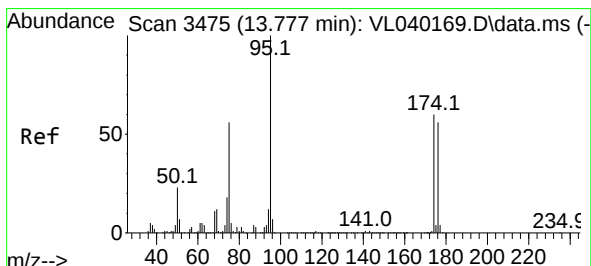
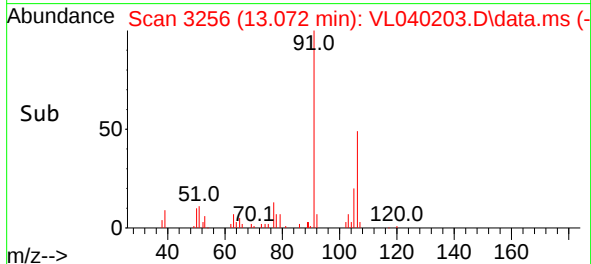
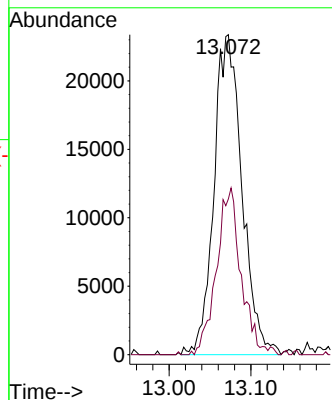
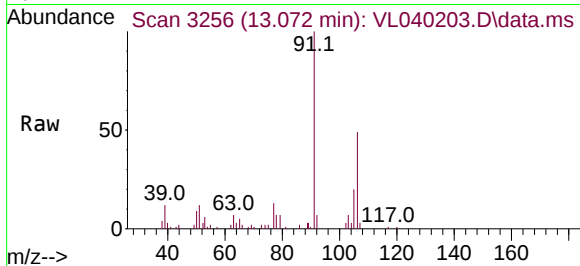
#60
o-Xylene
Concen: 0.275 ppbv m
RT: 13.072 min Scan# 31
Delta R.T. -0.013 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

Instrument :
MSVOA_L
ClientSampleId :
IA-21

Tgt Ion: 91 Resp: 55730
Ion Ratio Lower Upper
91 100
106 0.0 21.6 65.0

Manual Integrations
APPROVED

Reviewed By :Krupa Patel 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#68
1-Bromo-4-Fluorobenzene
Concen: 9.991 ppbv
RT: 13.789 min Scan# 3479
Delta R.T. -0.016 min
Lab File: VL040203.D
Acq: 21 Feb 2023 20:30

Tgt Ion: 95 Resp: 1610470
Ion Ratio Lower Upper
95 100
174 59.9 48.2 72.2
175 4.2 3.4 5.2

