

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
 Data File : VL040154.D
 Acq On : 6 Feb 2023 20:22
 Operator : SY/MD
 Sample : 01438-07
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023
 Supervised By :Mahesh Dadoda 02/08/2023

Quant Time: Feb 07 05:59:04 2023

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

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

QLast Update : Tue Jan 31 05:24:57 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.176	49	860008	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.635	114	2216870	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.455	117	1870788	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.767	95	1437093	9.243	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.713	85	68937	0.457	ppbv	92
3) Chlorodifluoromethane	2.658	51	25689m	0.249	ppbv	
4) Chloromethane	2.800	50	24728	0.388	ppbv	89
9) Propene	2.684	41	92869	2.167	ppbv #	83
10) Heptane	7.565	43	14760m	0.149	ppbv	
11) Trichlorofluoromethane	3.545	101	31180	0.207	ppbv	89
13) Ethanol	3.224	45	97860m	24.808	ppbv	
15) Acetone	3.452	43	561243	5.442	ppbv	98
19) Isopropyl Alcohol	3.562	45	1043784	20.683	ppbv #	96
20) Methylene Chloride	3.915	84	148692	3.268	ppbv	95
26) Hexane	5.192	57	64752m	0.814	ppbv	
34) 2-Butanone	4.777	43	22227	0.212	ppbv	100
35) Carbon Tetrachloride	6.481	117	8316m	0.066	ppbv	
36) Benzene	6.352	78	105317	0.642	ppbv	98
53) Toluene	9.208	91	141020	0.806	ppbv	99
58) Ethyl Benzene	12.082	91	36542m	0.175	ppbv	
59) m/p-Xylene	12.333	91	102821m	0.548	ppbv	
60) o-Xylene	13.053	91	30189m	0.169	ppbv	

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

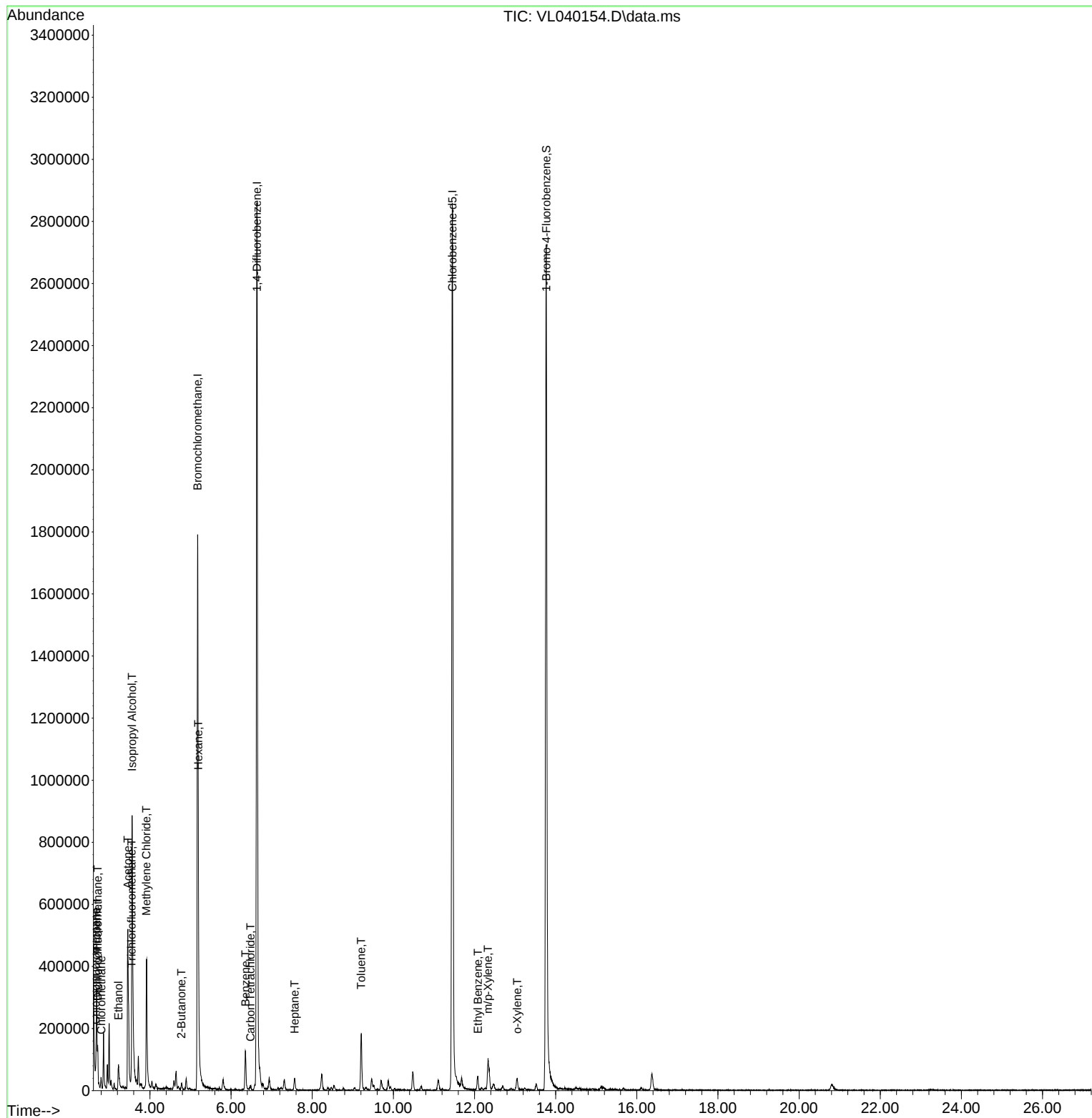
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
Data File : VL040154.D
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Quant Time: Feb 07 05:59:04 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 31 05:24:57 2023
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Manual Integrations
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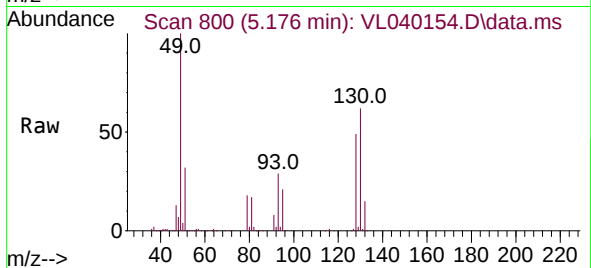
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.176 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

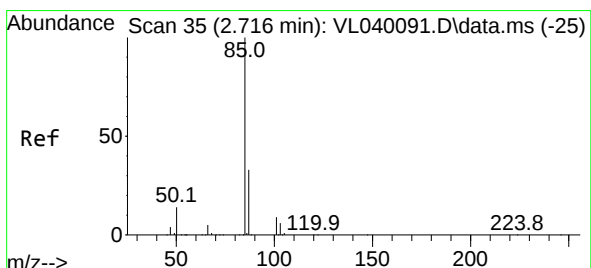
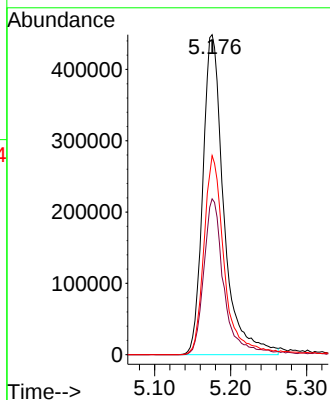
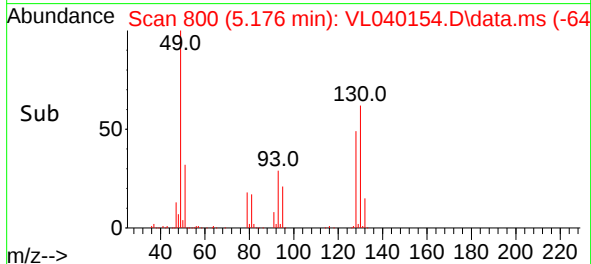
Instrument :
MSVOA_L
ClientSampleId :
OA1



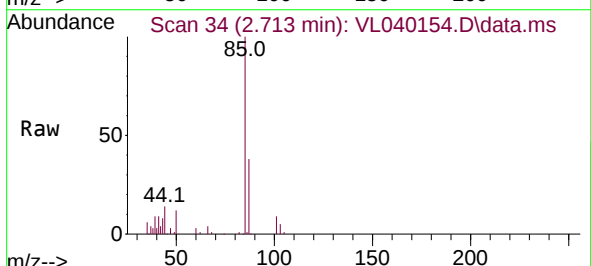
Tgt Ion: 49 Resp: 86000
Ion Ratio Lower Upper
49 100
128 47.6 23.6 71.0
130 61.4 29.8 89.3

Manual Integrations
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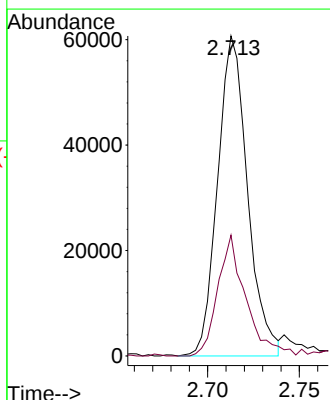
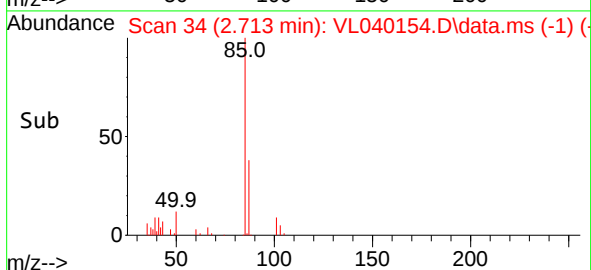
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

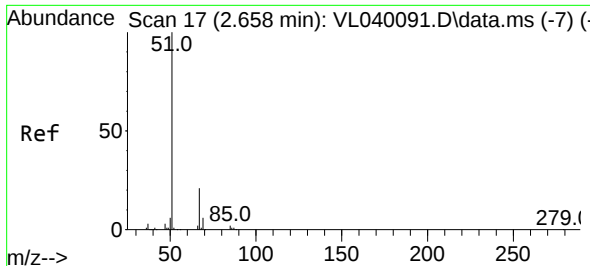


#2
Dichlorodifluoromethane
Concen: 0.457 ppbv
RT: 2.713 min Scan# 34
Delta R.T. -0.000 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22



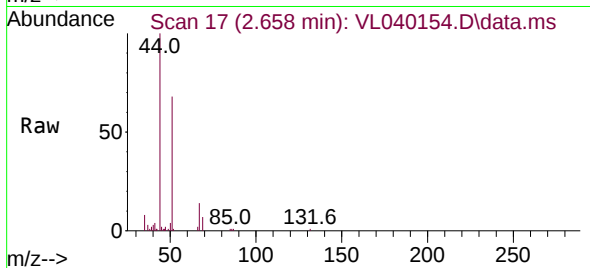
Tgt Ion: 85 Resp: 68937
Ion Ratio Lower Upper
85 100
87 37.8 26.5 39.7





#3
Chlorodifluoromethane
Concen: 0.249 ppbv
RT: 2.658 min Scan# 17
Delta R.T. 0.003 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

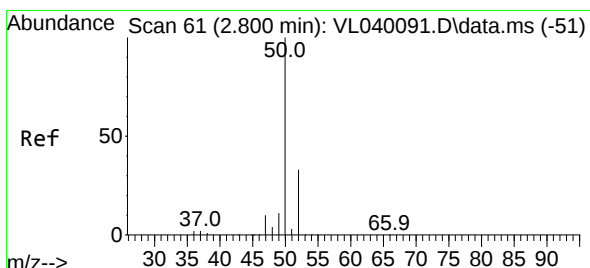
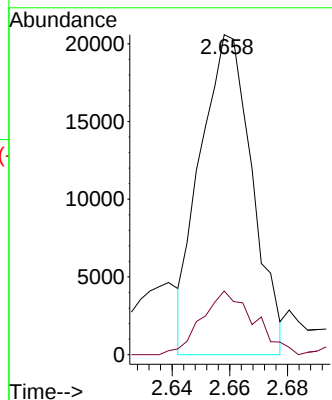
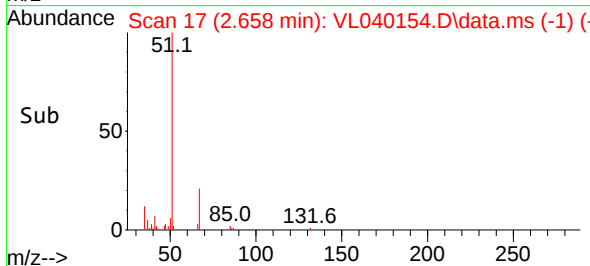
Instrument :
MSVOA_L
ClientSampleId :
OA1



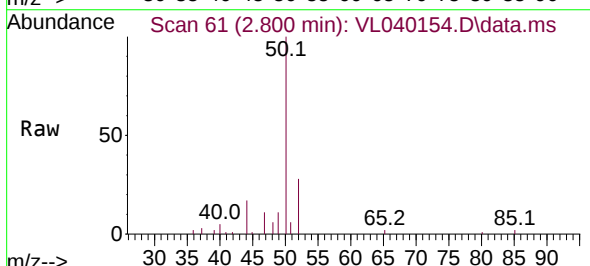
Tgt Ion: 51 Resp: 25689
Ion Ratio Lower Upper
51 100
67 21.5 16.4 24.6

Manual Integrations
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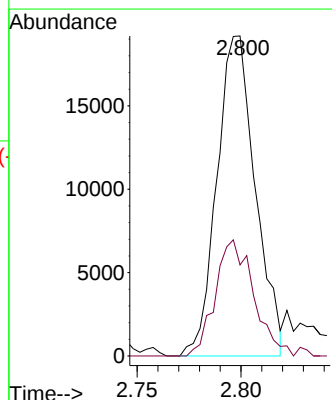
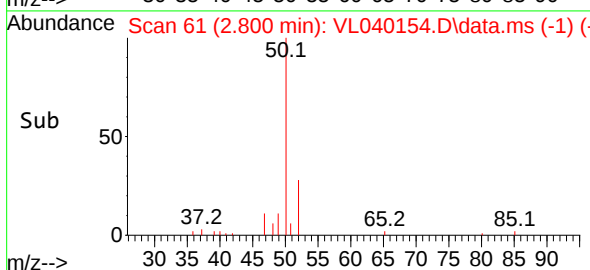
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

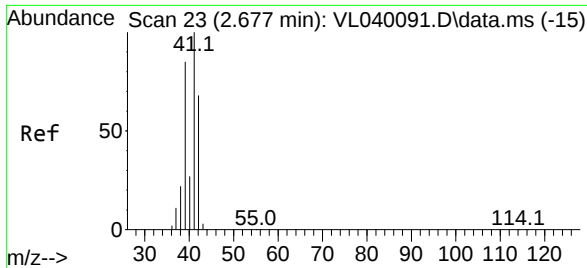


#4
Chloromethane
Concen: 0.388 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.006 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22



Tgt Ion: 50 Resp: 24728
Ion Ratio Lower Upper
50 100
52 26.8 26.5 39.7





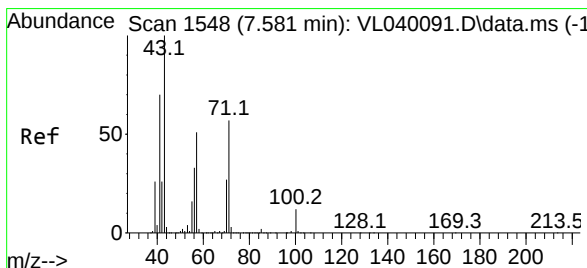
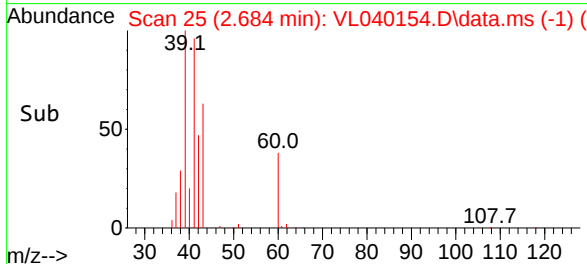
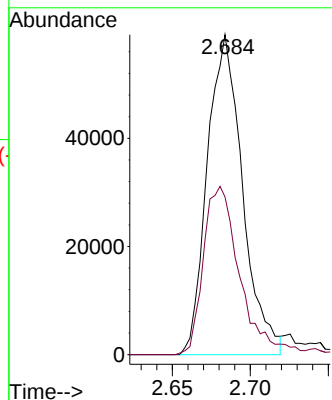
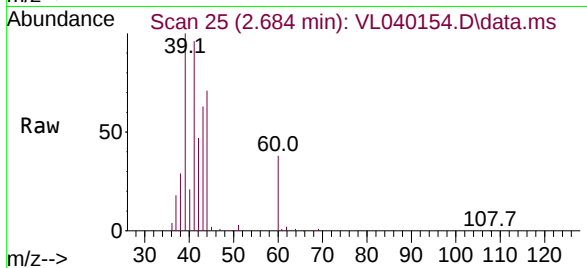
#9
Propene
Concen: 2.167 ppbv
RT: 2.684 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 41 Resp: 92869
Ion Ratio Lower Upper
41 100
42 55.4 55.6 83.4

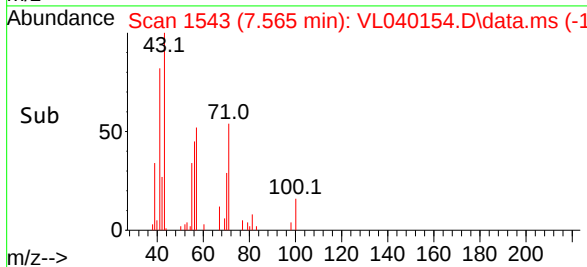
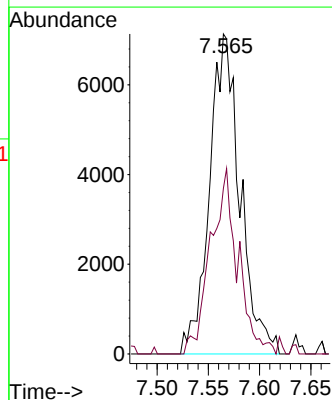
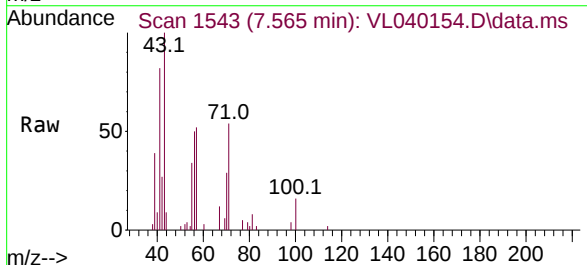
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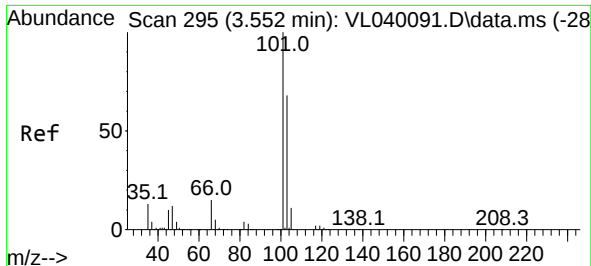
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#10
Heptane
Concen: 0.149 ppbv m
RT: 7.565 min Scan# 1543
Delta R.T. -0.003 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

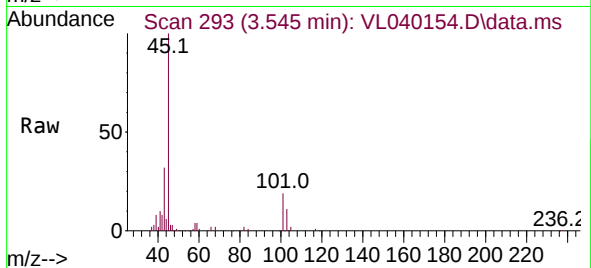
Tgt Ion: 43 Resp: 14760
Ion Ratio Lower Upper
43 100
57 53.3 40.9 61.3





#11
Trichlorofluoromethane
Concen: 0.207 ppbv
RT: 3.545 min Scan# 295
Delta R.T. -0.000 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

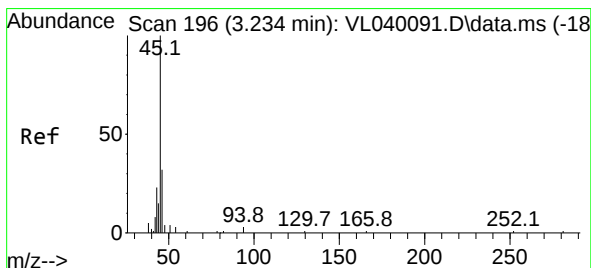
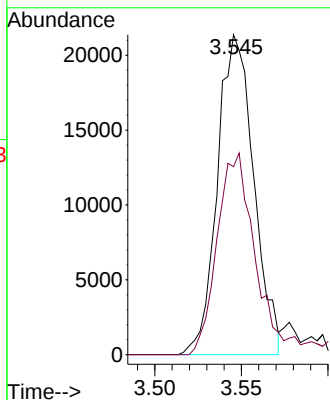
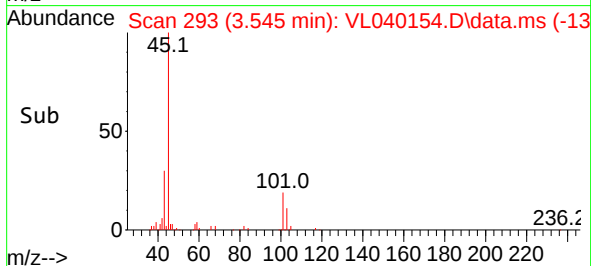
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion:101 Resp: 31180
Ion Ratio Lower Upper
101 100
103 58.7 54.0 81.0

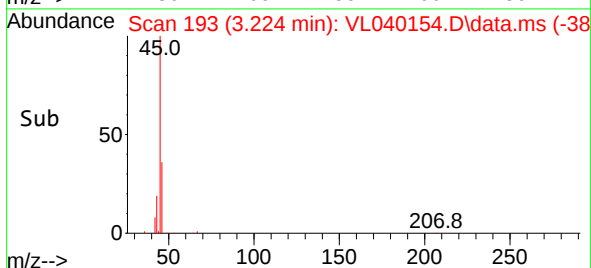
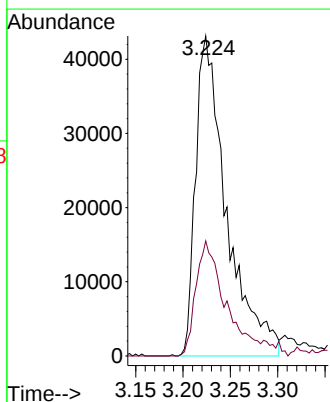
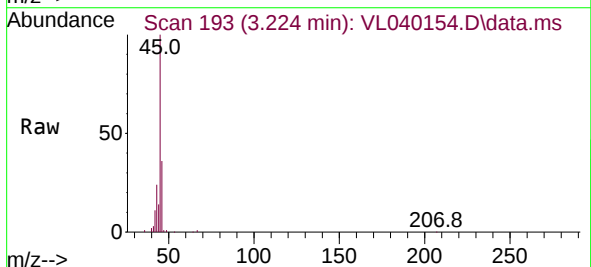
Manual Integrations
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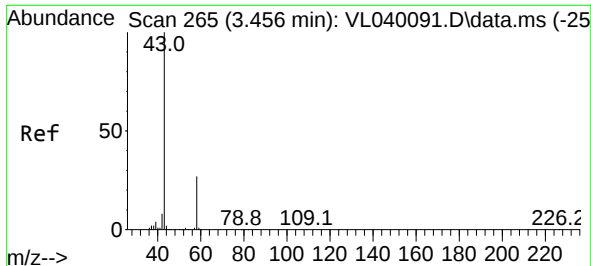
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#13
Ethanol
Concen: 24.808 ppbv m
RT: 3.224 min Scan# 193
Delta R.T. -0.003 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

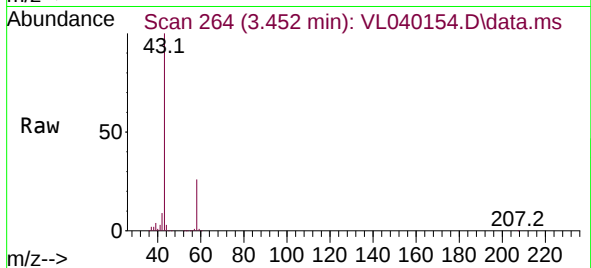
Tgt Ion: 45 Resp: 97860
Ion Ratio Lower Upper
45 100
46 36.5 14.8 59.2





#15
Acetone
Concen: 5.442 ppbv
RT: 3.452 min Scan# 20
Delta R.T. 0.003 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

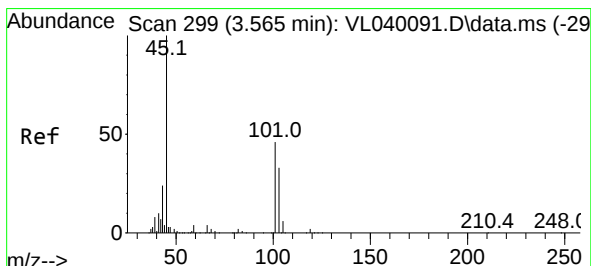
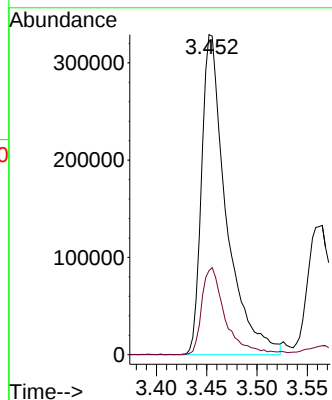
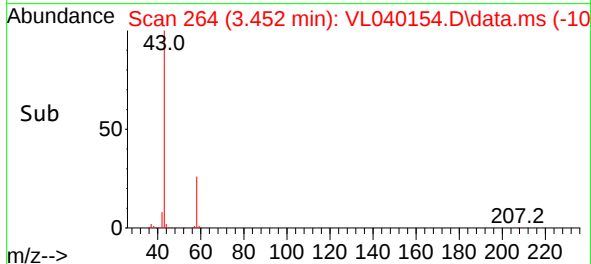
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 43 Resp: 56124
Ion Ratio Lower Upper
43 100
58 26.3 21.8 32.8

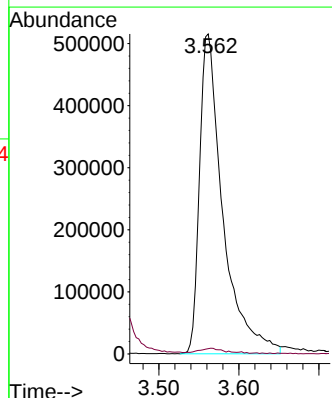
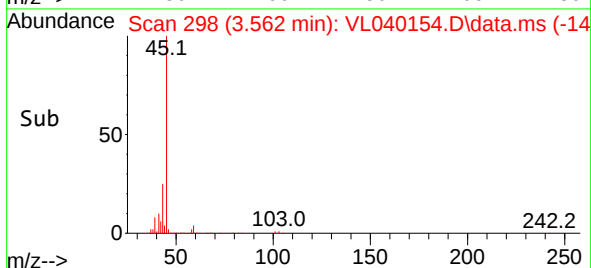
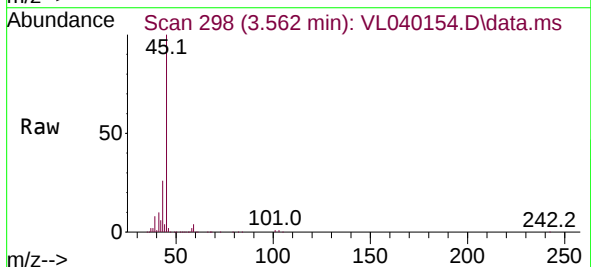
Manual Integrations
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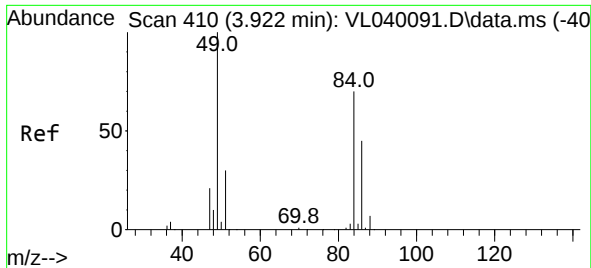
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#19
Isopropyl Alcohol
Concen: 20.683 ppbv
RT: 3.562 min Scan# 298
Delta R.T. 0.003 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

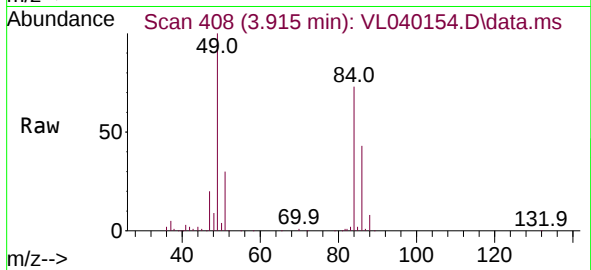
Tgt Ion: 45 Resp: 1043784
Ion Ratio Lower Upper
45 100
58 2.1 2.6 4.0#





#20
Methylene Chloride
Concen: 3.268 ppbv
RT: 3.915 min Scan# 408
Delta R.T. 0.000 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

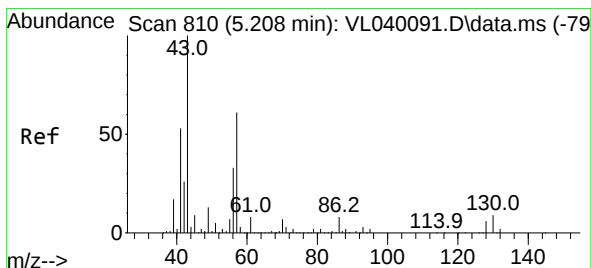
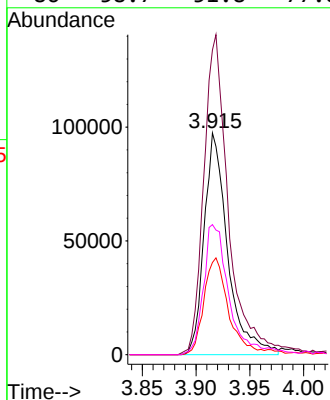
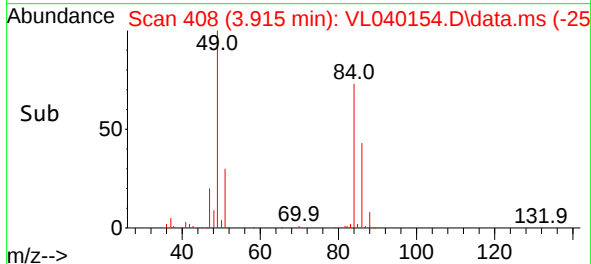
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 84 Resp: 148692
Ion Ratio Lower Upper
84 100
49 137.4 114.6 171.8
51 41.6 34.3 51.5
86 58.7 51.8 77.8

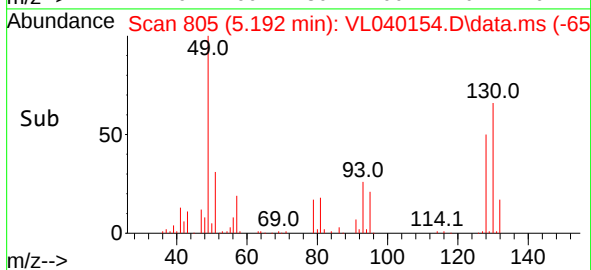
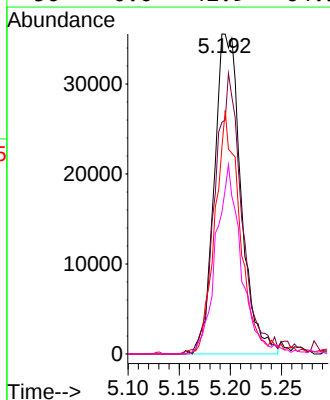
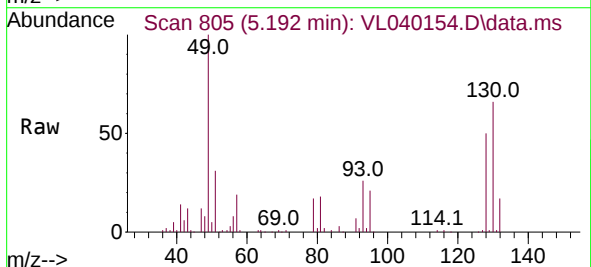
Manual Integrations
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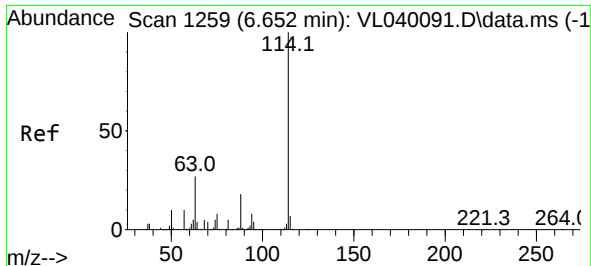
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#26
Hexane
Concen: 0.814 ppbv m
RT: 5.192 min Scan# 805
Delta R.T. -0.006 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

Tgt Ion: 57 Resp: 64752
Ion Ratio Lower Upper
57 100
41 0.0 72.2 108.4#
43 0.0 192.1 288.1#
56 0.0 42.9 64.3#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.635 min Scan# 1

Delta R.T. -0.006 min

Lab File: VL040154.D

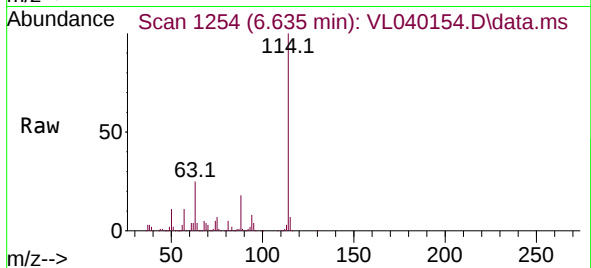
Acq: 6 Feb 2023 20:22

Instrument :

MSVOA_L

ClientSampleId :

OA1



Tgt Ion:114 Resp: 2216870

Ion Ratio Lower Upper

114 100

63 24.8 21.8 32.8

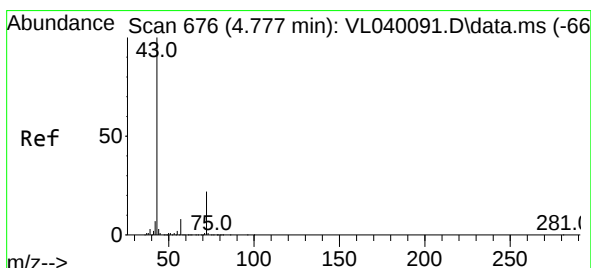
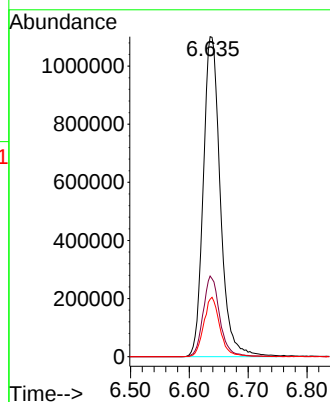
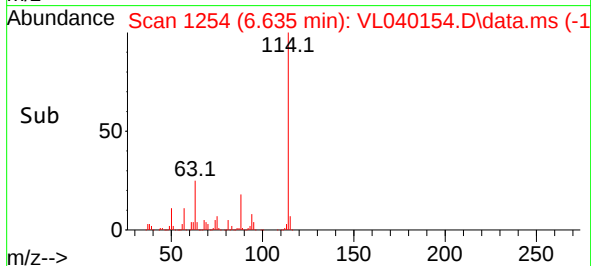
88 17.8 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023

Supervised By :Mahesh Dadoda 02/08/2023



#34

2-Butanone

Concen: 0.212 ppbv

RT: 4.777 min Scan# 676

Delta R.T. 0.006 min

Lab File: VL040154.D

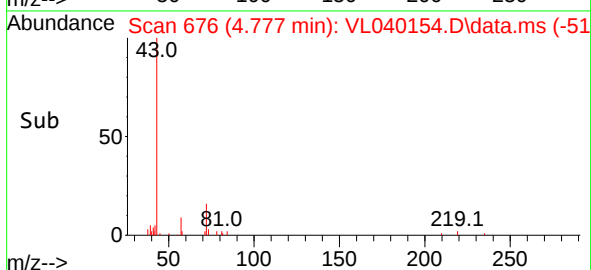
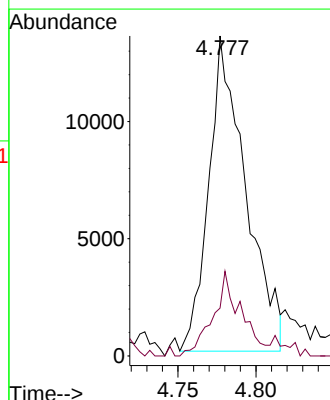
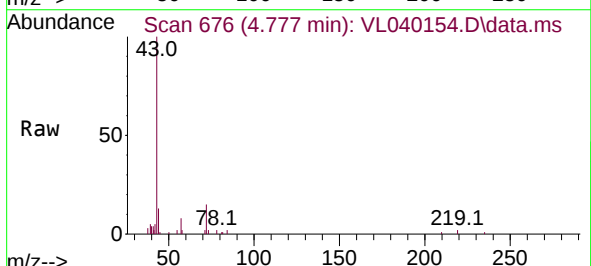
Acq: 6 Feb 2023 20:22

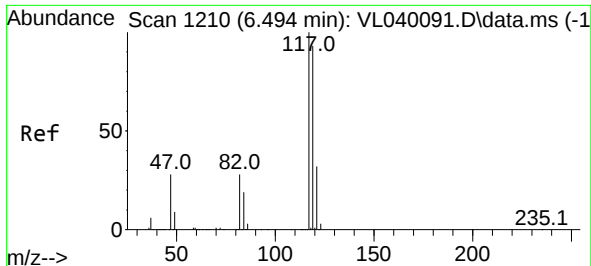
Tgt Ion: 43 Resp: 22227

Ion Ratio Lower Upper

43 100

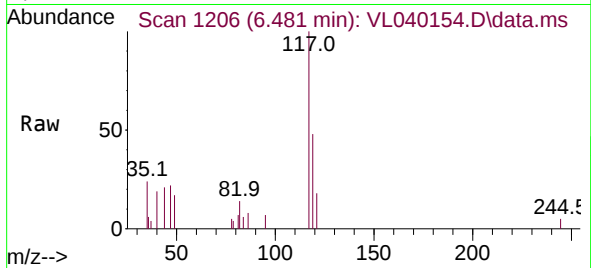
72 23.1 18.4 27.6





#35
Carbon Tetrachloride
Concen: 0.066 ppbv m
RT: 6.481 min Scan# 1166
Delta R.T. 0.000 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

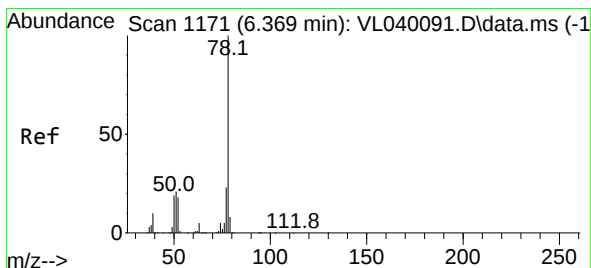
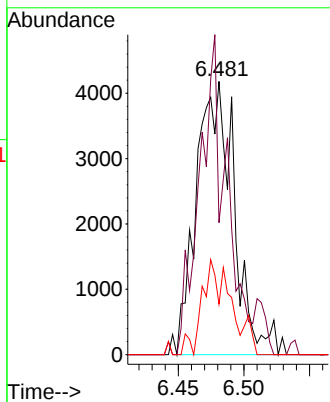
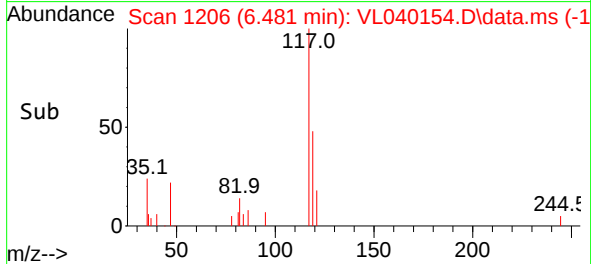
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 117 Resp: 8310
Ion Ratio Lower Upper
117 100
119 48.3 74.5 111.7
121 18.5 25.4 38.0

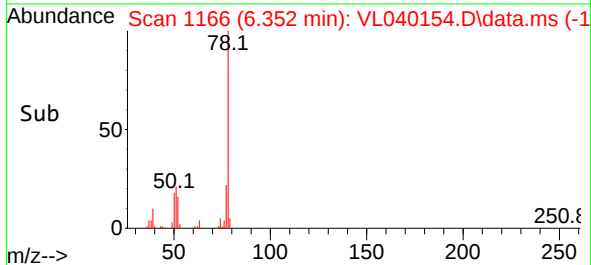
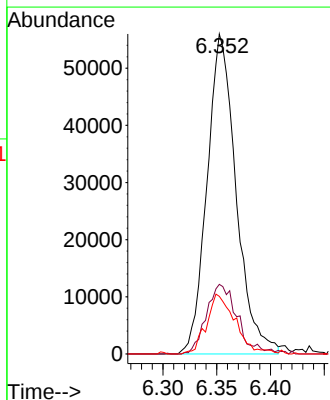
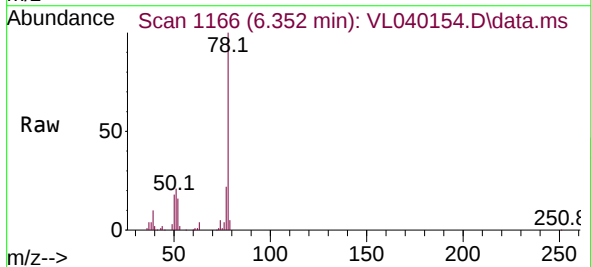
Manual Integrations
APPROVED

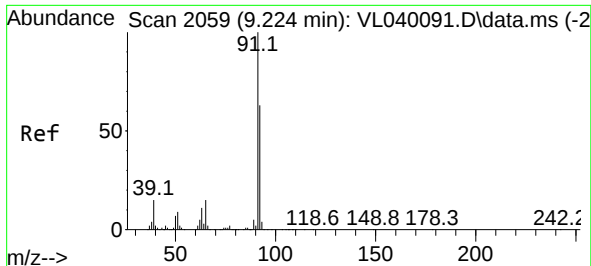
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#36
Benzene
Concen: 0.642 ppbv
RT: 6.352 min Scan# 1166
Delta R.T. -0.006 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

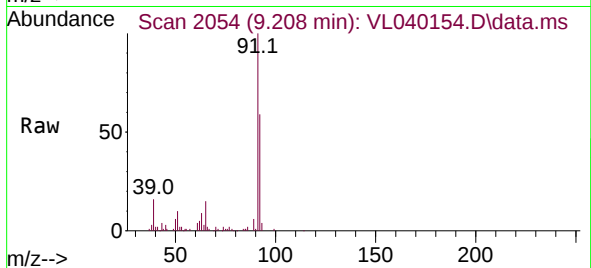
Tgt Ion: 78 Resp: 105317
Ion Ratio Lower Upper
78 100
77 21.7 18.1 27.1
50 18.0 15.6 23.4





#53
Toluene
Concen: 0.806 ppbv
RT: 9.208 min Scan# 2054
Delta R.T. -0.003 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

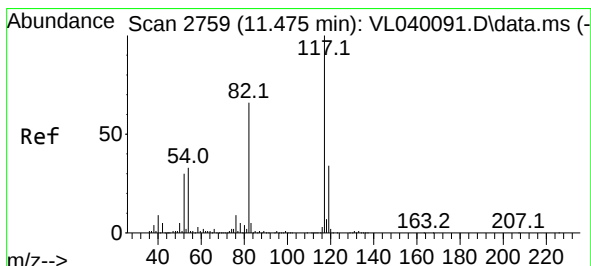
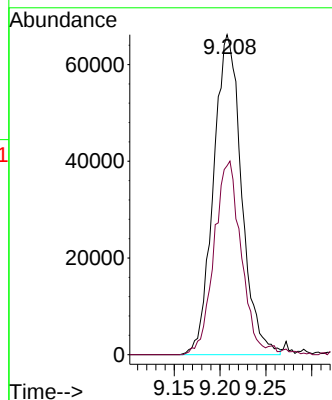
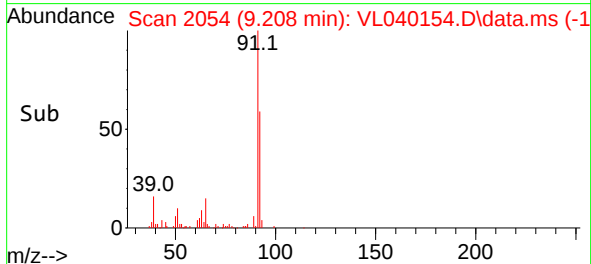
Instrument :
MSVOA_L
ClientSampleId :
OA1



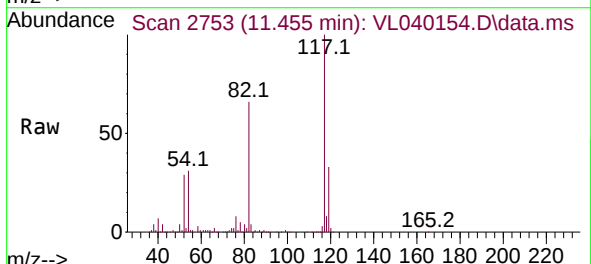
Tgt Ion: 91 Resp: 141020
Ion Ratio Lower Upper
91 100
92 59.5 48.3 72.5

Manual Integrations
APPROVED

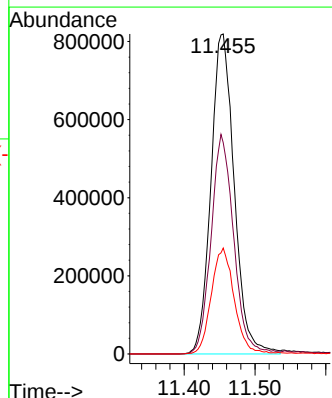
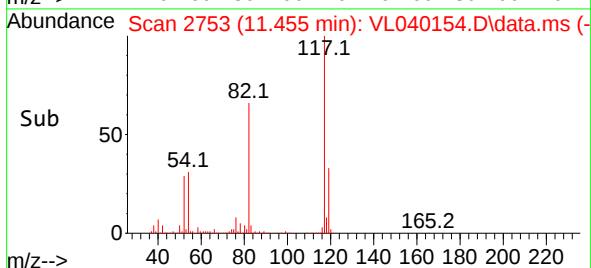
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

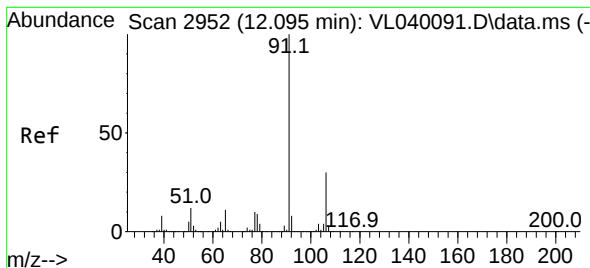


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.455 min Scan# 2753
Delta R.T. -0.003 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22



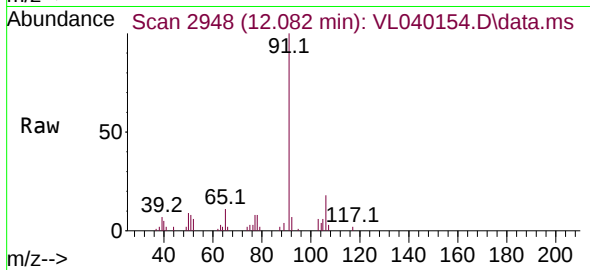
Tgt Ion:117 Resp: 1870788
Ion Ratio Lower Upper
117 100
82 67.7 54.4 81.6
119 33.0 26.8 40.2





#58
Ethyl Benzene
Concen: 0.175 ppbv m
RT: 12.082 min Scan# 2952
Delta R.T. -0.000 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

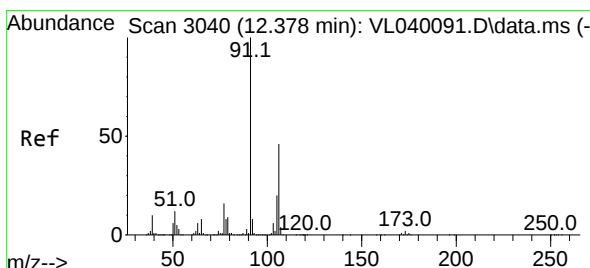
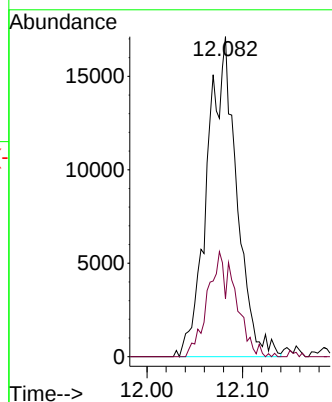
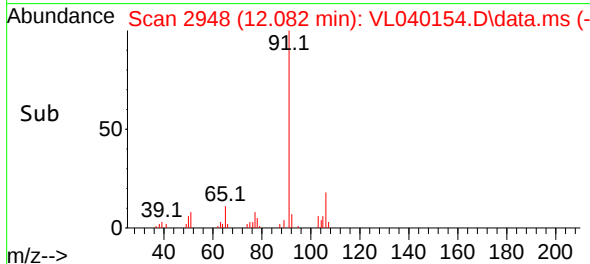
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 91 Resp: 3654
Ion Ratio Lower Upper
91 100
106 18.1 23.7 35.5

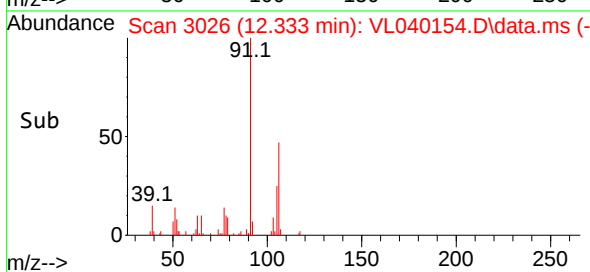
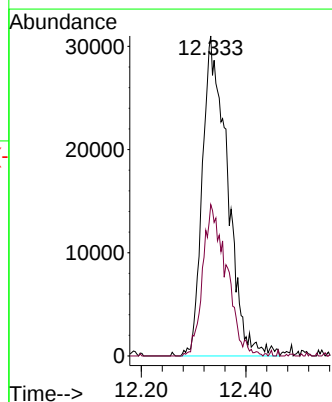
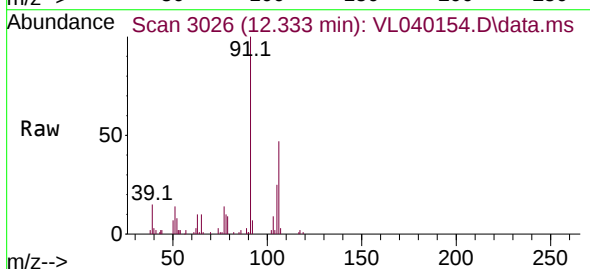
Manual Integrations
APPROVED

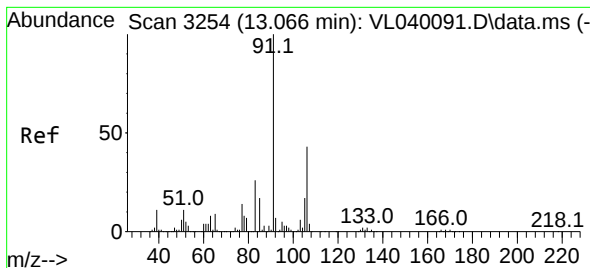
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#59
m/p-Xylene
Concen: 0.548 ppbv m
RT: 12.333 min Scan# 3026
Delta R.T. -0.032 min
Lab File: VL040154.D
Acq: 6 Feb 2023 20:22

Tgt Ion: 91 Resp: 102821
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.4#





#60

o-Xylene

Concen: 0.169 ppbv m

RT: 13.053 min Scan# 3018

Delta R.T. 0.003 min

Lab File: VL040154.D

Acq: 6 Feb 2023 20:22

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion: 91 Resp: 3018

Ion Ratio Lower Upper

91 100

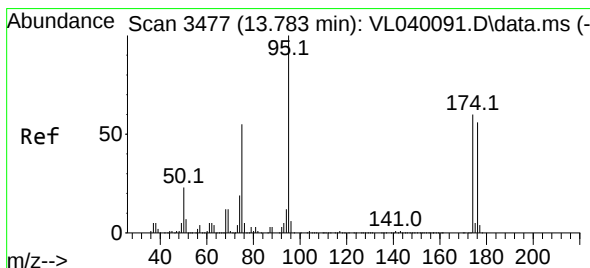
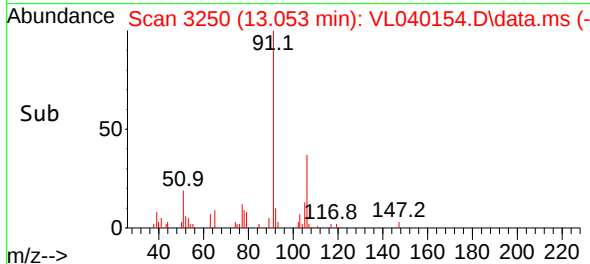
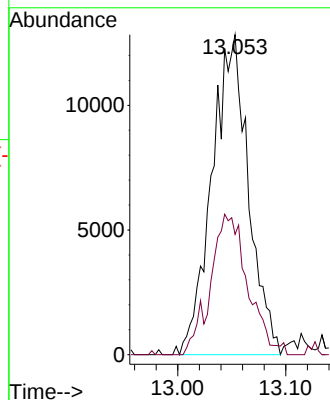
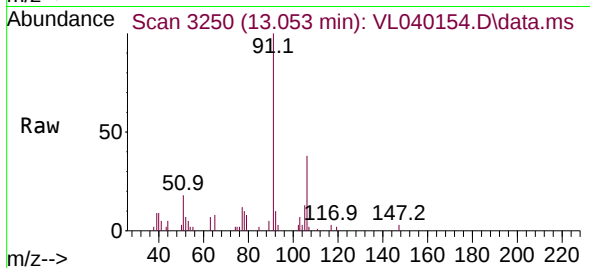
106 44.7 21.6 64.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023

Supervised By :Mahesh Dadoda 02/08/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.243 ppbv

RT: 13.767 min Scan# 3472

Delta R.T. -0.003 min

Lab File: VL040154.D

Acq: 6 Feb 2023 20:22

Tgt Ion: 95 Resp: 1437093

Ion Ratio Lower Upper

95 100

174 59.9 47.7 71.5

175 4.3 3.4 5.2

