

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022723\
 Data File : VL040238.D
 Acq On : 27 Feb 2023 16:35
 Operator : SY/MD
 Sample : 01705-01
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 02212023-INFLUENT

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023

Quant Time: Feb 28 00:20:17 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 : Tue Feb 28 00:12:21 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	843974	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.658	114	2161505	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.474	117	1837517	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.786	95	1438609	9.521	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.200%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.726	85	69553	0.442	ppbv	95
3) Chlorodifluoromethane	2.668	51	28531m	0.283	ppbv	
4) Chloromethane	2.809	50	10614	0.168	ppbv	95
9) Propene	2.700	41	25610	0.623	ppbv	86
10) Heptane	7.587	43	11896m	0.122	ppbv	
11) Trichlorofluoromethane	3.562	101	43536	0.308	ppbv	99
13) Ethanol	3.240	45	83027m	21.945	ppbv	
15) Acetone	3.468	43	428346	4.216	ppbv	98
19) Isopropyl Alcohol	3.581	45	64047m	1.326	ppbv	
20) Methylene Chloride	3.935	84	1011994	19.132	ppbv	96
26) Hexane	5.214	57	1448763	17.866	ppbv #	36
29) Chloroform	5.275	83	18410	0.132	ppbv	87
31) cis-1,2-Dichloroethene	5.082	61	43226	0.561	ppbv #	82
32) 1,1,1-Trichloroethane	6.012	97	22734m	0.174	ppbv	
34) 2-Butanone	4.800	43	31016	0.291	ppbv	97
35) Carbon Tetrachloride	6.494	117	8608m	0.067	ppbv	
36) Benzene	6.375	78	40766	0.242	ppbv #	94
38) Trichloroethene	7.291	130	64285	0.694	ppbv	94
50) 4-Methyl-2-Pentanone	8.211	43	37689m	0.228	ppbv	
52) Tetrachloroethene	10.622	164	428520	8.158	ppbv	95
53) Toluene	9.227	91	83433m	0.463	ppbv	
59) m/p-Xylene	12.355	91	21492m	0.109	ppbv	

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

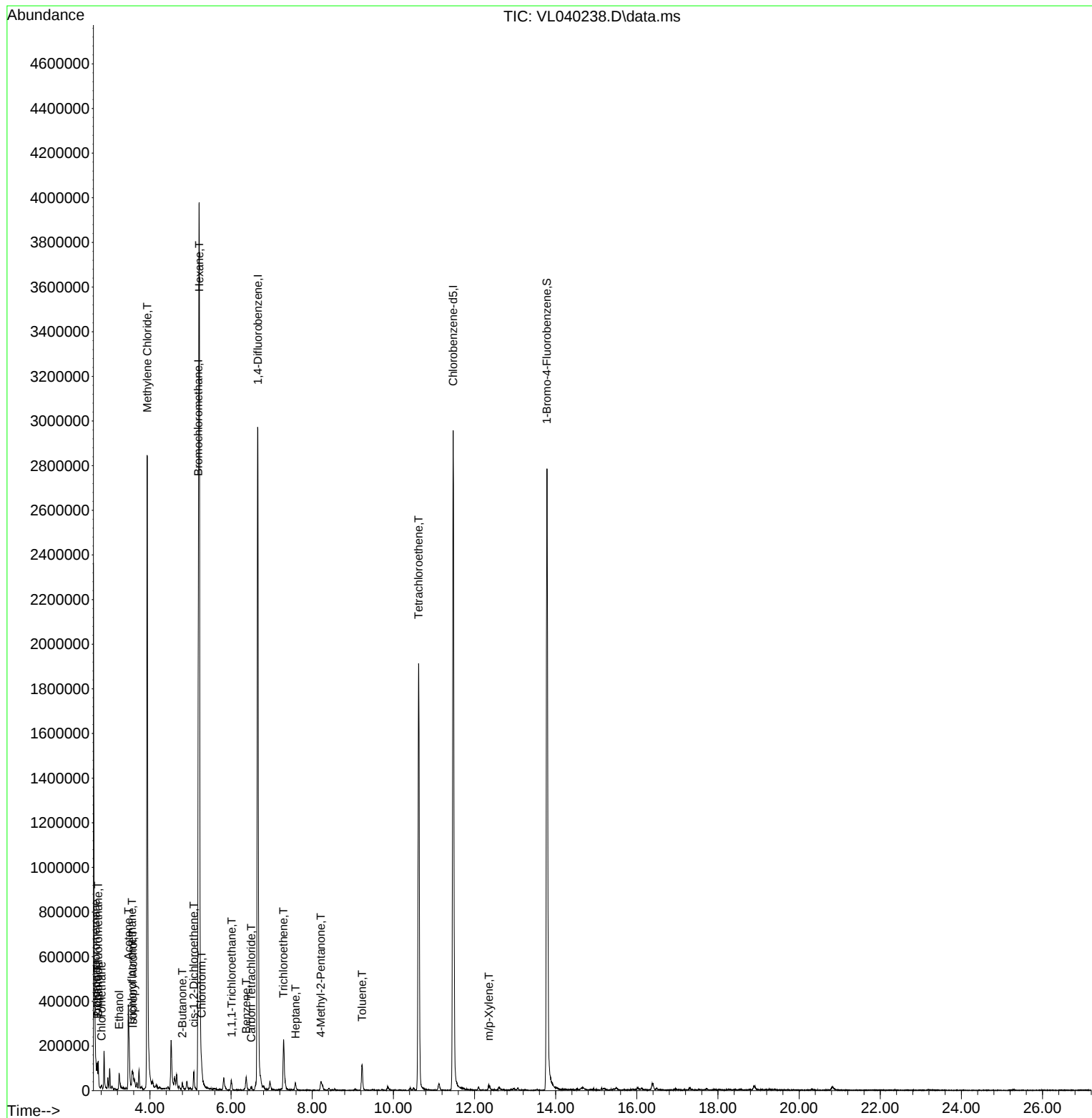
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022723\
Data File : VL040238.D
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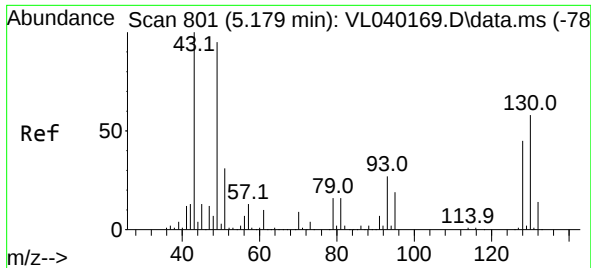
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT

Quant Time: Feb 28 00:20:17 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 : Tue Feb 28 00:12:21 2023
Response via : Initial Calibration

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APPROVED

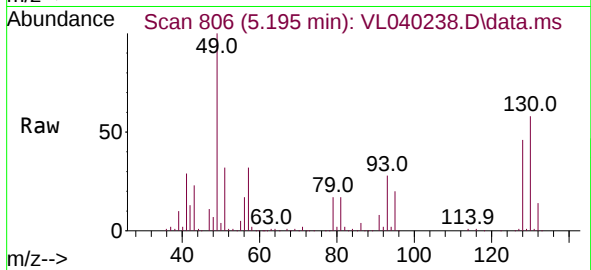
Reviewed By : Semsettin Yesilyurt 02/28/2023
Supervised By : Mahesh Dadoda 02/28/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.013 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35

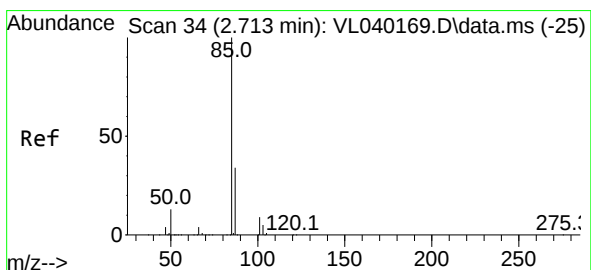
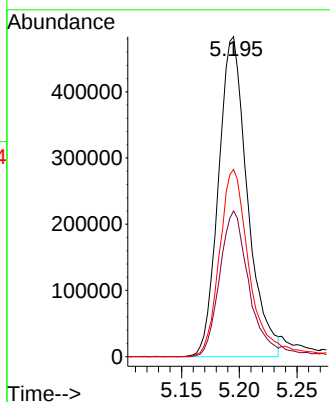
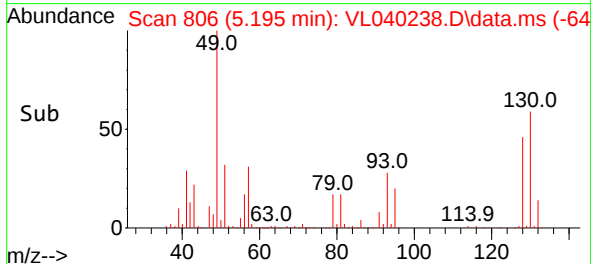
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT



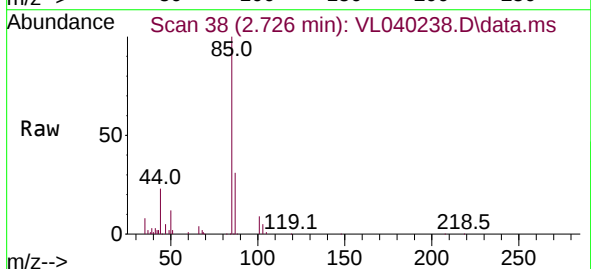
Tgt Ion: 49 Resp: 843974
Ion Ratio Lower Upper
49 100
128 49.0 24.1 72.3
130 62.8 30.9 92.8

Manual Integrations
APPROVED

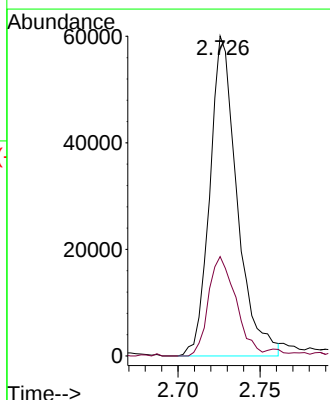
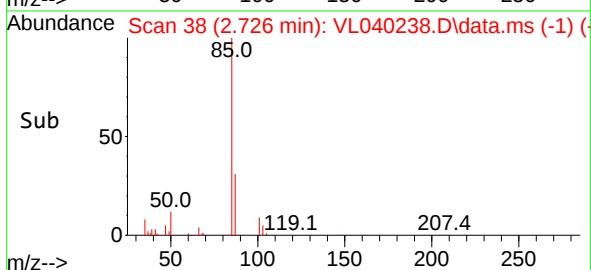
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023

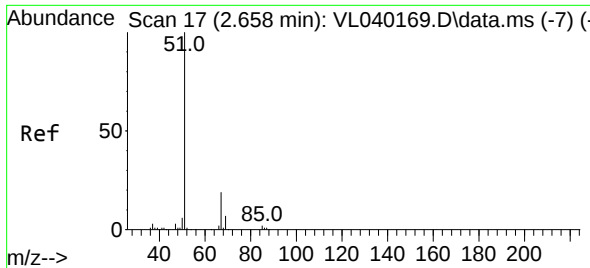


#2
Dichlorodifluoromethane
Concen: 0.442 ppbv
RT: 2.726 min Scan# 38
Delta R.T. 0.010 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35



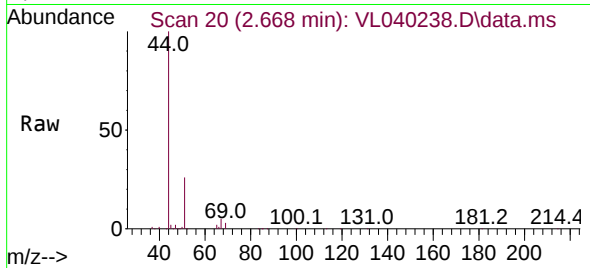
Tgt Ion: 85 Resp: 69553
Ion Ratio Lower Upper
85 100
87 31.0 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.283 ppbv m
RT: 2.668 min Scan# 20
Delta R.T. 0.010 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35

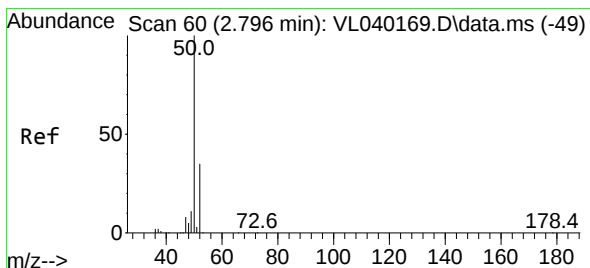
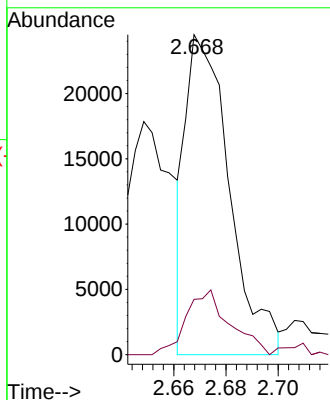
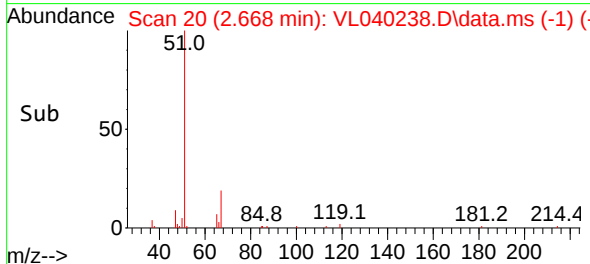
Instrument :
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ClientSampleId :
02212023-INFLUENT



Tgt Ion: 51 Resp: 2853
Ion Ratio Lower Upper
51 100
67 22.4 15.4 23.2

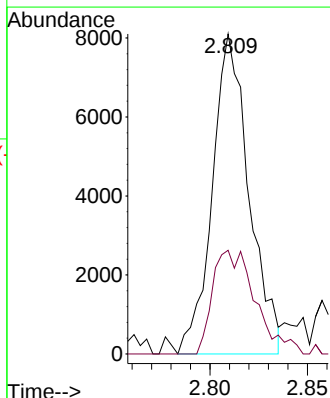
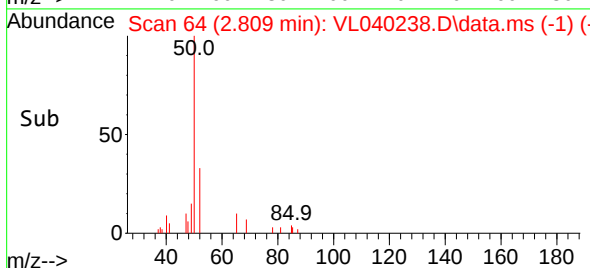
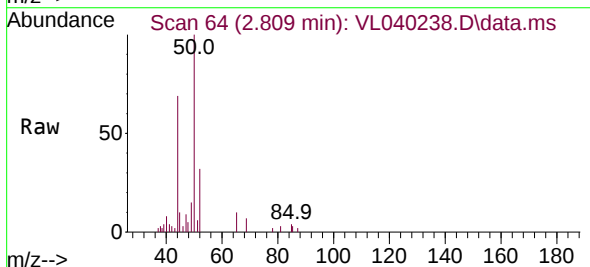
Manual Integrations
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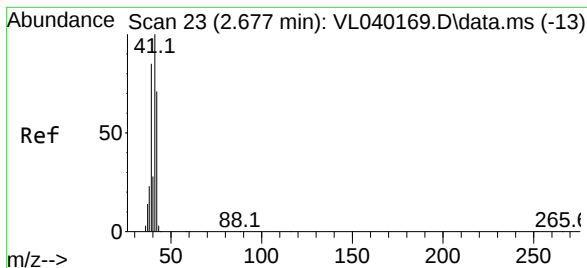
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#4
Chloromethane
Concen: 0.168 ppbv
RT: 2.809 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35

Tgt Ion: 50 Resp: 10614
Ion Ratio Lower Upper
50 100
52 32.4 28.3 42.5





#9

Propene

Concen: 0.623 ppbv

RT: 2.700 min Scan# 30

Delta R.T. 0.019 min

Lab File: VL040238.D

Acq: 27 Feb 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

02212023-INFLUENT

Tgt Ion: 41 Resp: 25610

Ion Ratio Lower Upper

41 100

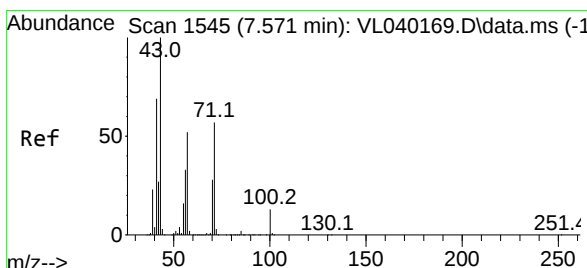
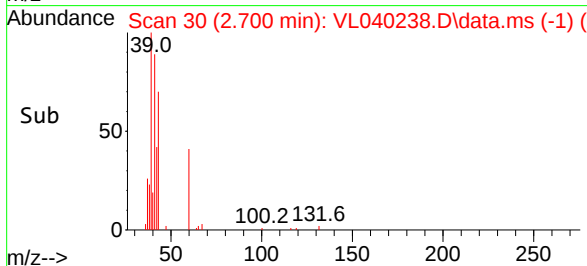
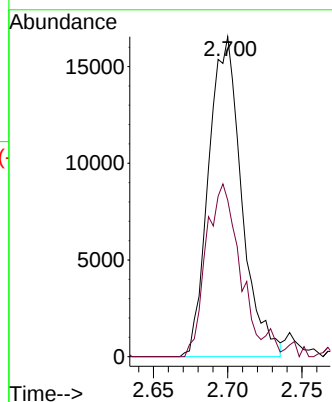
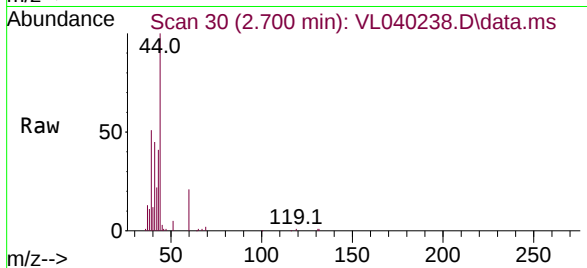
42 59.7 56.9 85.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#10

Heptane

Concen: 0.122 ppbv m

RT: 7.587 min Scan# 1550

Delta R.T. 0.010 min

Lab File: VL040238.D

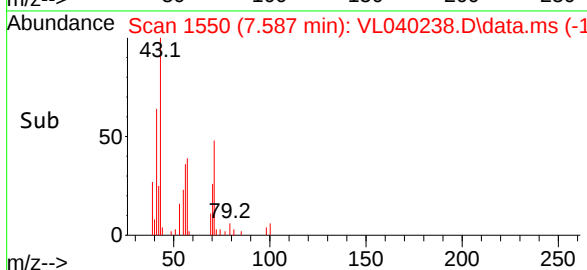
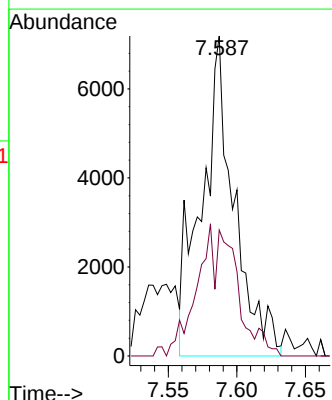
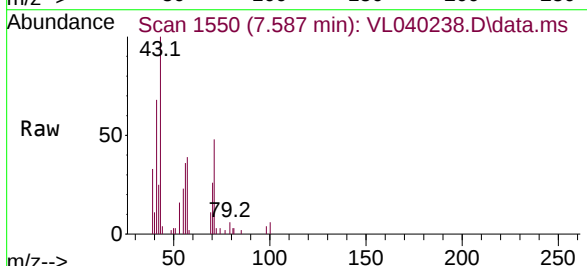
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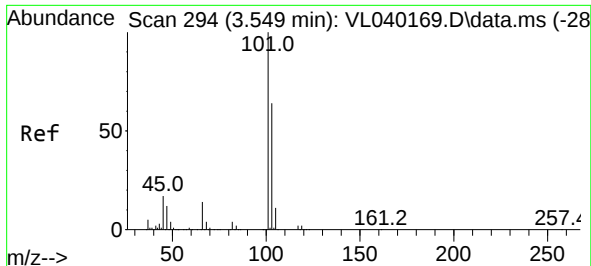
Tgt Ion: 43 Resp: 11896

Ion Ratio Lower Upper

43 100

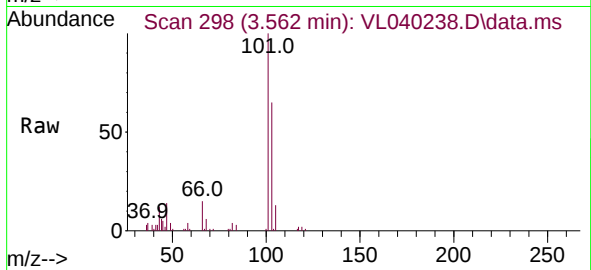
57 50.2 41.4 62.2





#11
Trichlorofluoromethane
Concen: 0.308 ppbv
RT: 3.562 min Scan# 294
Delta R.T. 0.013 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35

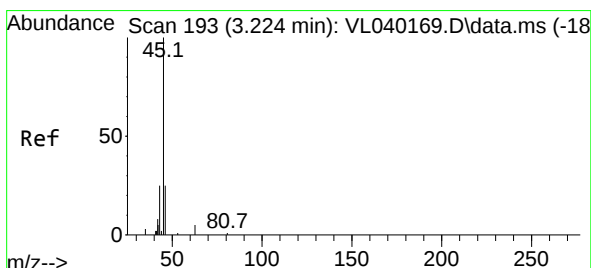
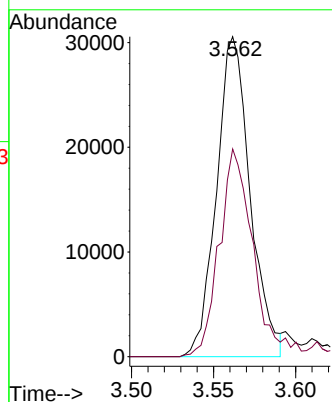
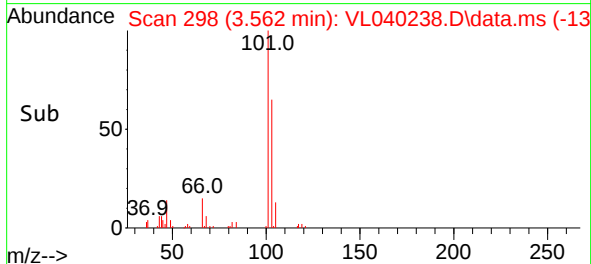
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT



Tgt Ion:101 Resp: 43530
Ion Ratio Lower Upper
101 100
103 64.9 51.0 76.6

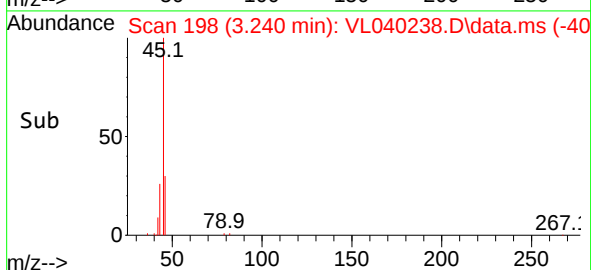
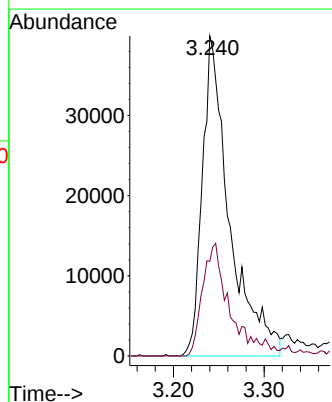
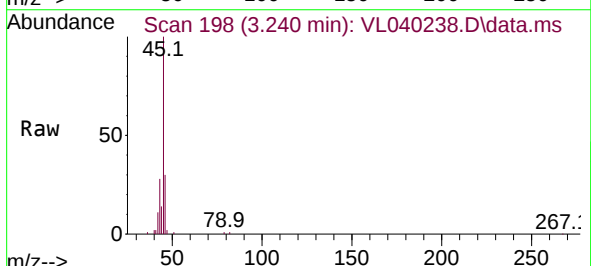
Manual Integrations
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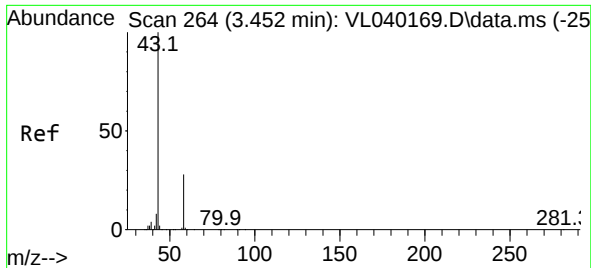
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#13
Ethanol
Concen: 21.945 ppbv m
RT: 3.240 min Scan# 198
Delta R.T. 0.007 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35

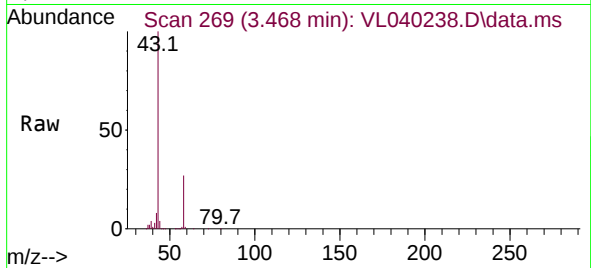
Tgt Ion: 45 Resp: 83027
Ion Ratio Lower Upper
45 100
46 38.1 13.3 53.1





#15
Acetone
Concen: 4.216 ppbv
RT: 3.468 min Scan# 20
Delta R.T. 0.013 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35

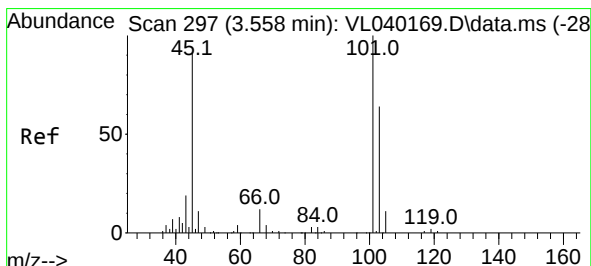
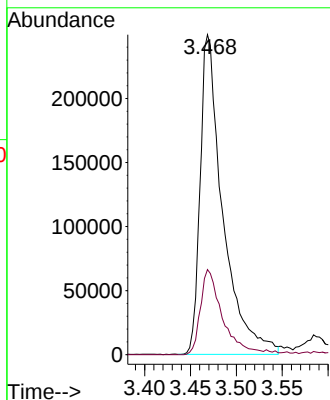
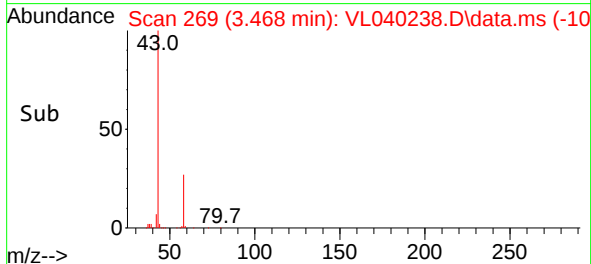
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT



Tgt Ion: 43 Resp: 428340
Ion Ratio Lower Upper
43 100
58 27.1 22.4 33.6

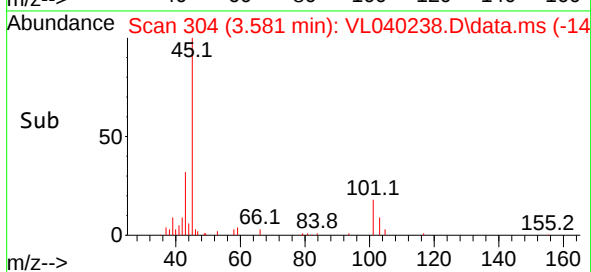
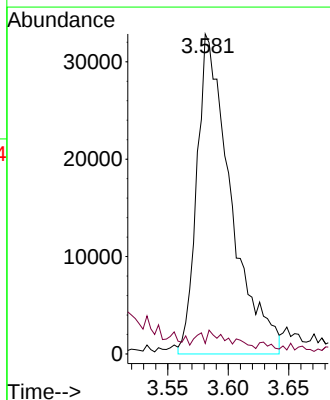
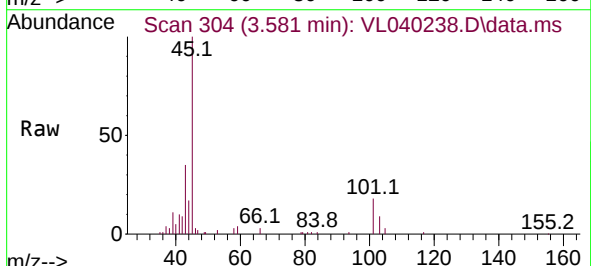
Manual Integrations
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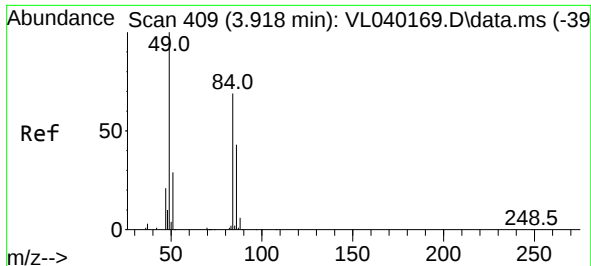
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#19
Isopropyl Alcohol
Concen: 1.326 ppbv m
RT: 3.581 min Scan# 304
Delta R.T. 0.016 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35

Tgt Ion: 45 Resp: 64047
Ion Ratio Lower Upper
45 100
58 12.5 2.6 3.8#





#20

Methylene Chloride

Concen: 19.132 ppbv

RT: 3.935 min Scan# 41

Delta R.T. 0.013 min

Lab File: VL040238.D

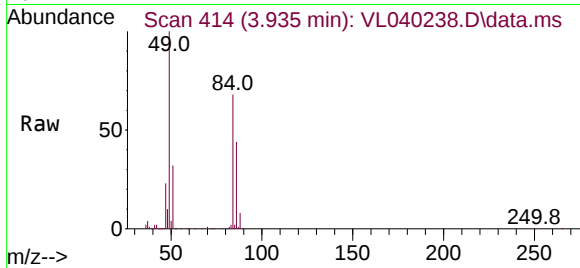
Acq: 27 Feb 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

02212023-INFLUENT



Tgt Ion: 84 Resp: 1011994

Ion Ratio Lower Upper

84 100

49 147.9 115.5 173.3

51 47.4 33.1 49.7

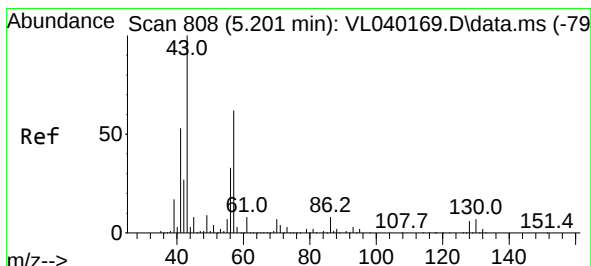
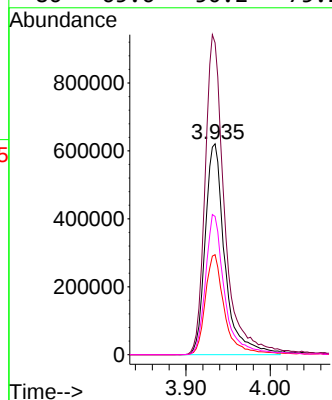
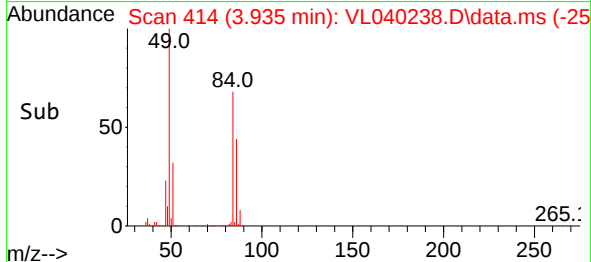
86 65.6 50.2 75.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#26

Hexane

Concen: 17.866 ppbv

RT: 5.214 min Scan# 812

Delta R.T. 0.010 min

Lab File: VL040238.D

Acq: 27 Feb 2023 16:35

Tgt Ion: 57 Resp: 1448763

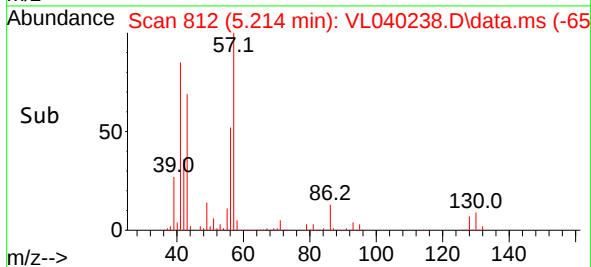
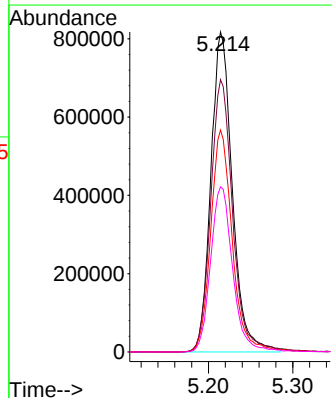
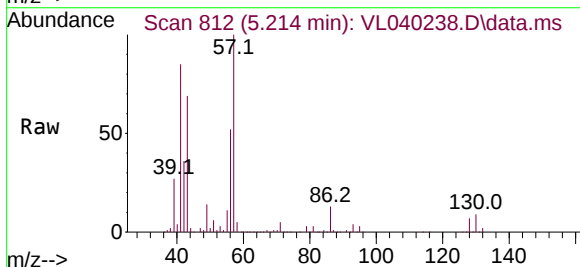
Ion Ratio Lower Upper

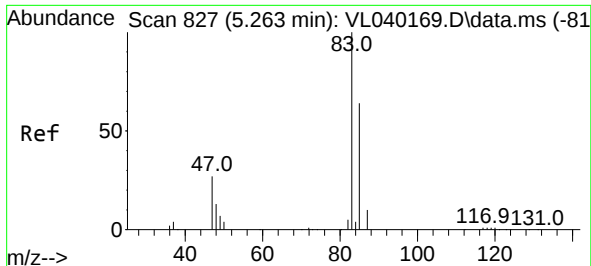
57 100

41 88.1 74.3 111.5

43 70.0 193.0 289.4#

56 53.3 42.6 64.0





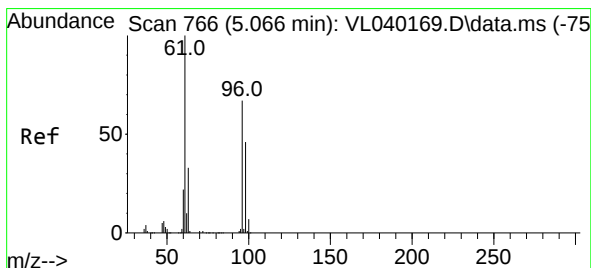
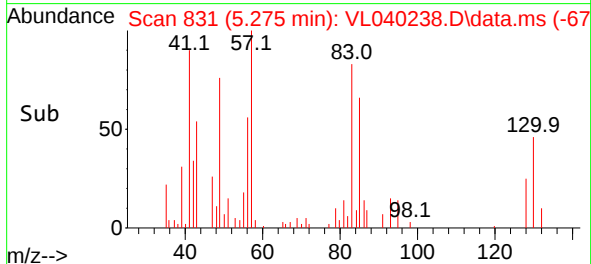
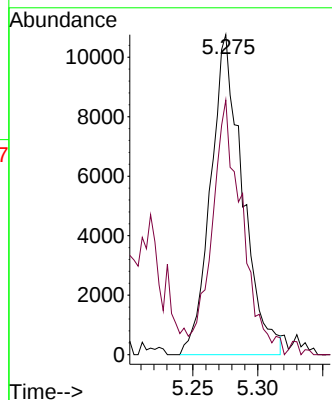
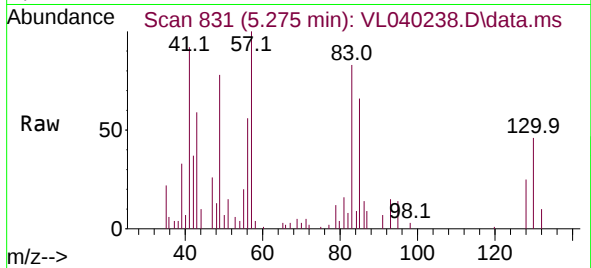
#29
Chloroform
Concen: 0.132 ppbv
RT: 5.275 min Scan# 81
Delta R.T. 0.010 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35

Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT

Tgt Ion: 83 Resp: 18410
Ion Ratio Lower Upper
83 100
85 74.3 51.5 77.3

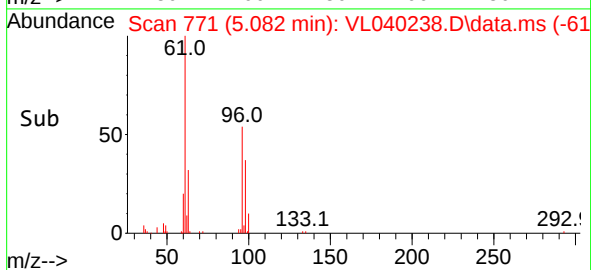
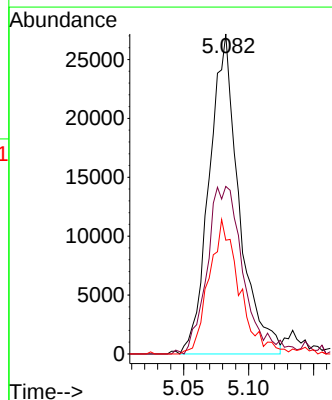
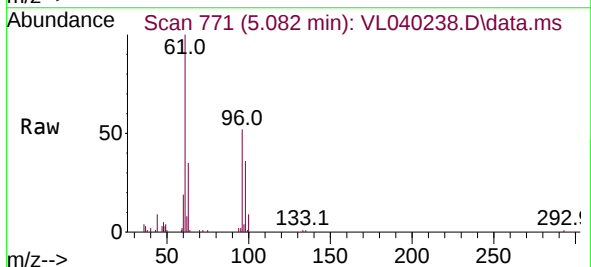
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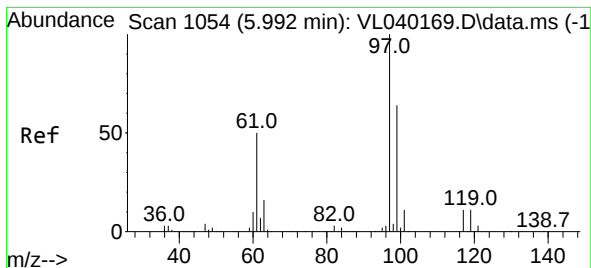
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#31
cis-1,2-Dichloroethene
Concen: 0.561 ppbv
RT: 5.082 min Scan# 771
Delta R.T. 0.013 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35

Tgt Ion: 61 Resp: 43226
Ion Ratio Lower Upper
61 100
96 51.6 53.7 80.5#
98 35.6 36.4 54.6#





#32

1,1,1-Trichloroethane

Concen: 0.174 ppbv m

RT: 6.012 min Scan# 1060

Delta R.T. 0.016 min

Lab File: VL040238.D

Acq: 27 Feb 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

02212023-INFLUENT

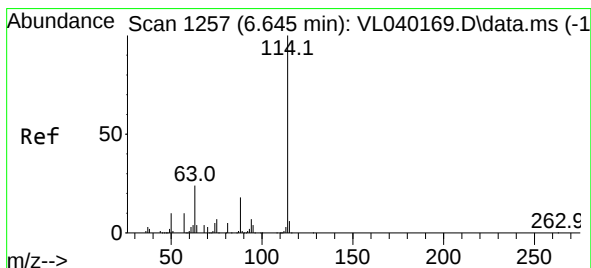
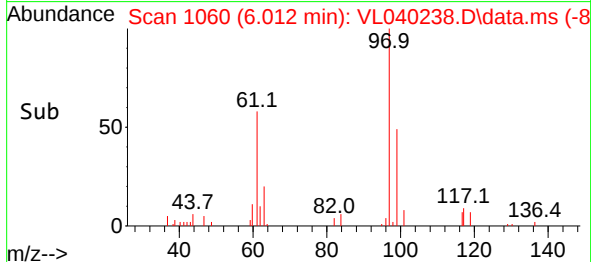
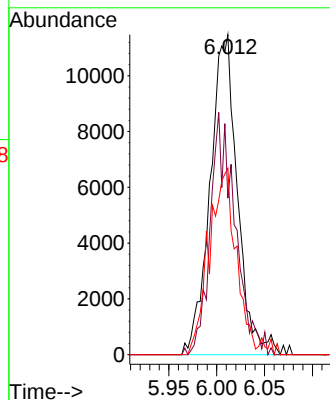
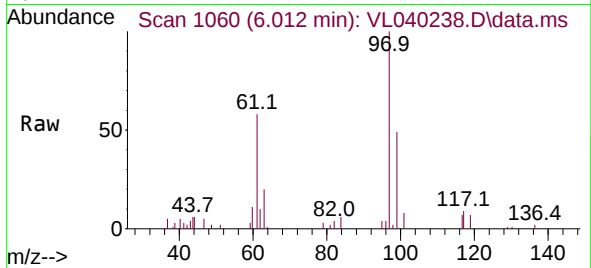
Tgt Ion: 97	Resp: 22734
Ion Ratio	Lower Upper
97 100	
99 0.0	51.5 77.3
61 59.6	40.6 60.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

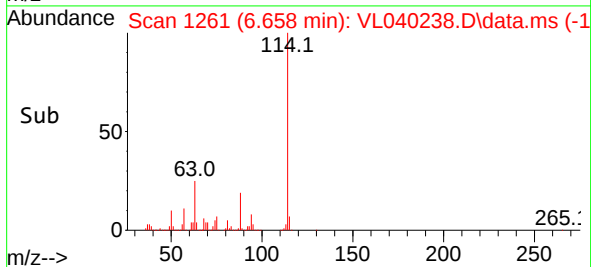
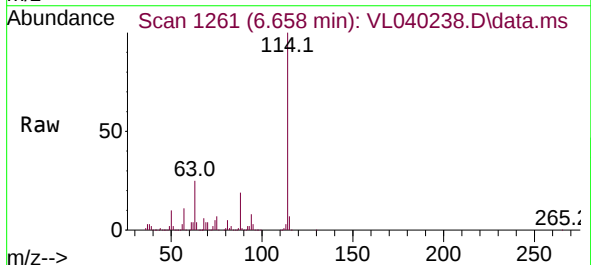
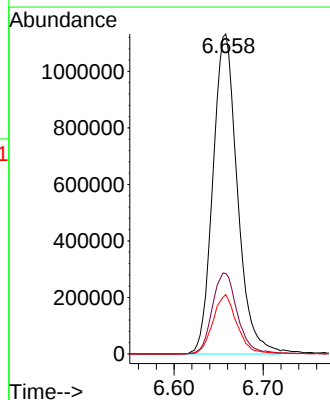
RT: 6.658 min Scan# 1261

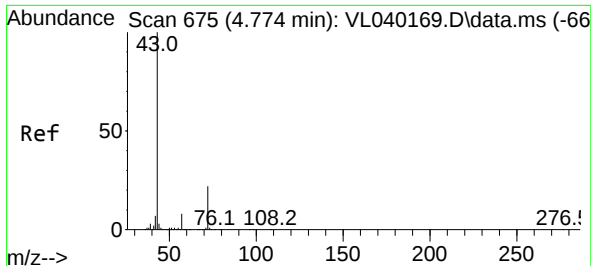
Delta R.T. 0.010 min

Lab File: VL040238.D

Acq: 27 Feb 2023 16:35

Tgt Ion: 114	Resp: 2161505
Ion Ratio	Lower Upper
114 100	
63 26.3	20.4 30.6
88 18.4	14.3 21.5





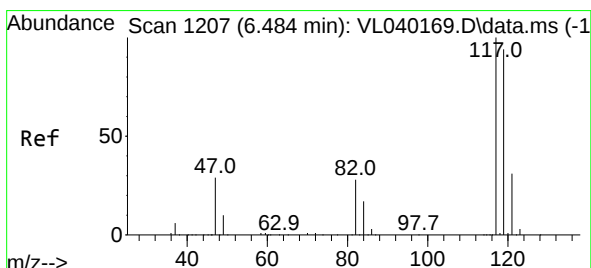
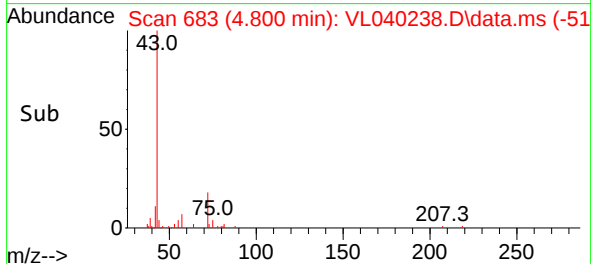
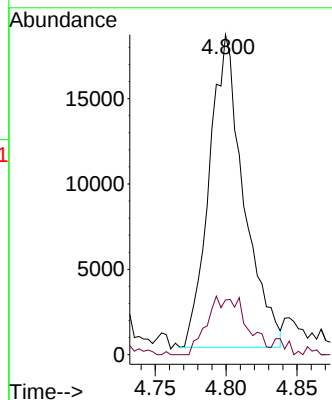
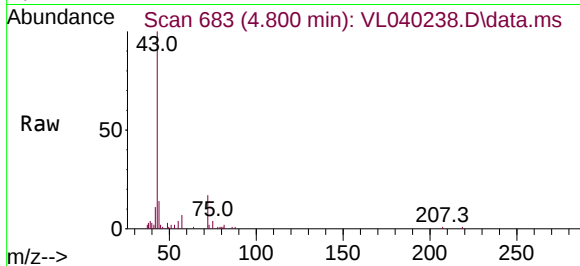
#34
2-Butanone
Concen: 0.291 ppbv
RT: 4.800 min Scan# 61
Delta R.T. 0.026 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35

Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT

Tgt Ion: 43 Resp: 31010
Ion Ratio Lower Upper
43 100
72 23.9 17.8 26.8

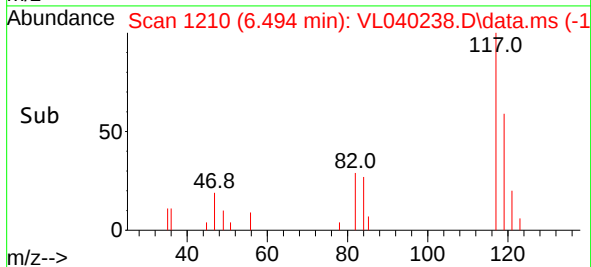
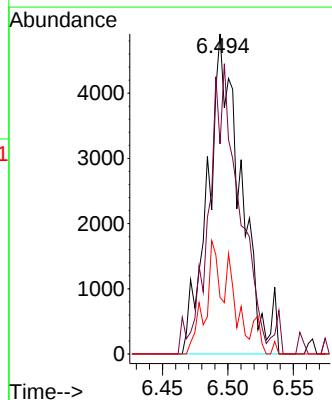
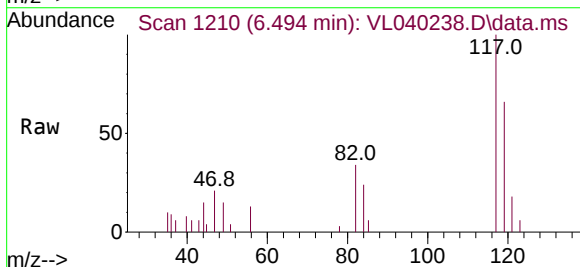
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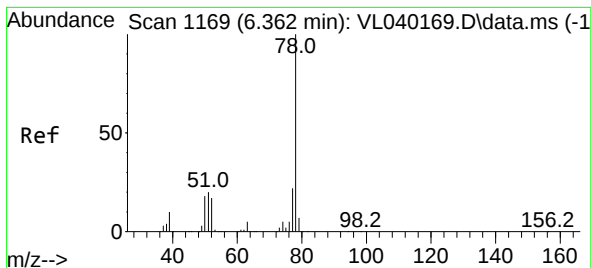
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#35
Carbon Tetrachloride
Concen: 0.067 ppbv m
RT: 6.494 min Scan# 1210
Delta R.T. 0.007 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35

Tgt Ion:117 Resp: 8608
Ion Ratio Lower Upper
117 100
119 65.6 75.0 112.6#
121 17.7 25.0 37.4#





#36

Benzene

Concen: 0.242 ppbv

RT: 6.375 min Scan# 1169

Delta R.T. 0.010 min

Lab File: VL040238.D

Acq: 27 Feb 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

02212023-INFLUENT

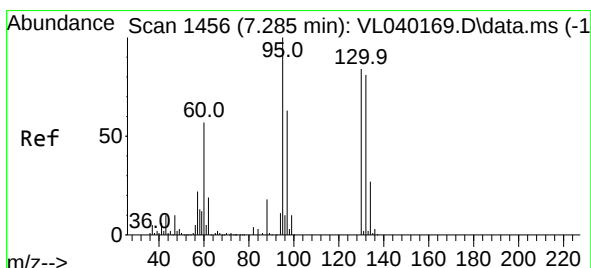
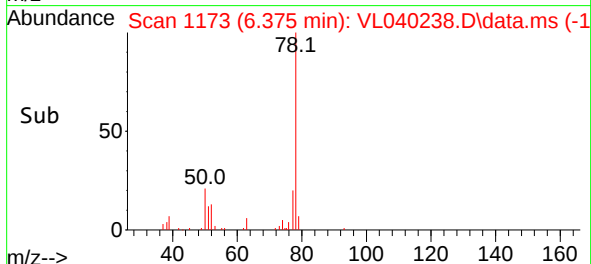
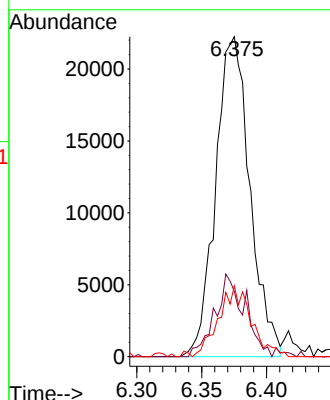
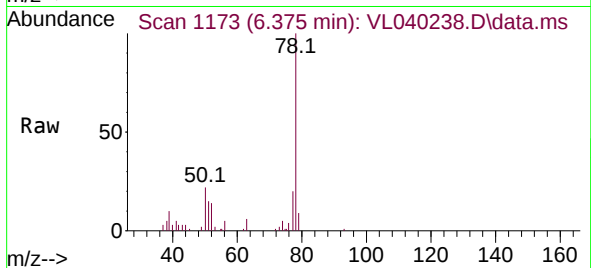
Tgt Ion: 78 Resp: 40760

Ion	Ratio	Lower	Upper
78	100		
77	20.5	17.5	26.3
50	22.1	14.6	22.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#38

Trichloroethene

Concen: 0.694 ppbv

RT: 7.291 min Scan# 1458

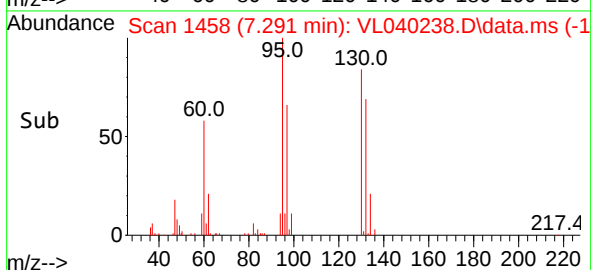
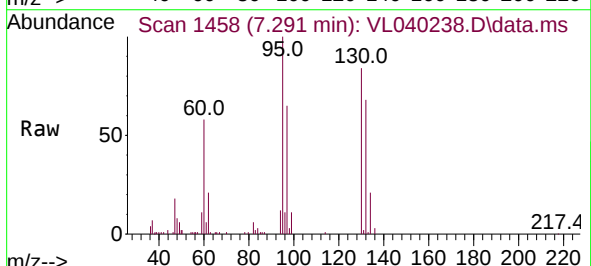
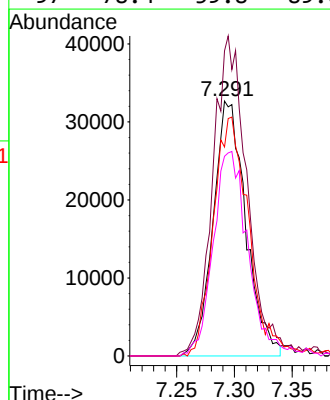
Delta R.T. 0.003 min

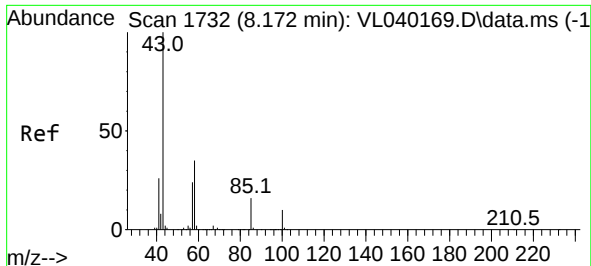
Lab File: VL040238.D

Acq: 27 Feb 2023 16:35

Tgt Ion:130 Resp: 64285

Ion	Ratio	Lower	Upper
130	100		
95	118.2	94.7	142.1
132	82.0	76.4	114.6
97	78.4	59.8	89.6





#50

4-Methyl-2-Pentanone

Concen: 0.228 ppbv

RT: 8.211 min Scan# 1732

Delta R.T. 0.035 min

Lab File: VL040238.D

Acq: 27 Feb 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

02212023-INFLUENT

Tgt Ion: 43 Resp: 37689

Ion Ratio Lower Upper

43 100

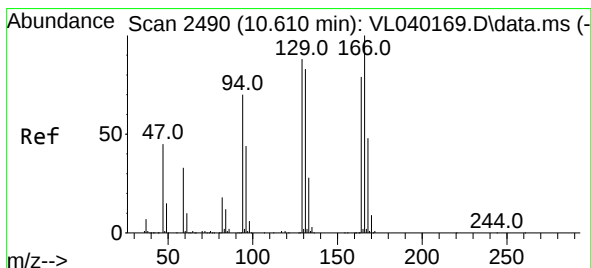
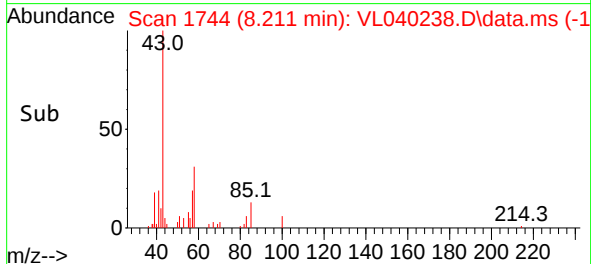
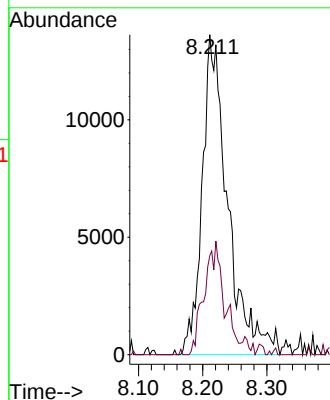
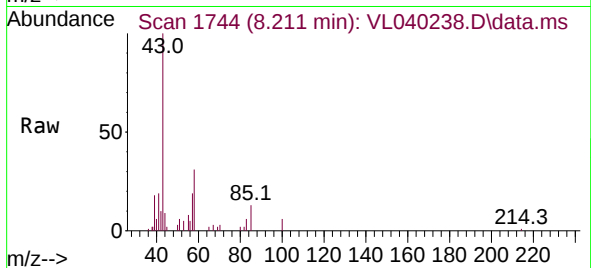
58 0.0 29.2 43.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2023

Supervised By :Mahesh Dadoda 02/28/2023



#52

Tetrachloroethene

Concen: 8.158 ppbv

RT: 10.622 min Scan# 2494

Delta R.T. 0.003 min

Lab File: VL040238.D

Acq: 27 Feb 2023 16:35

Tgt Ion:164 Resp: 428520

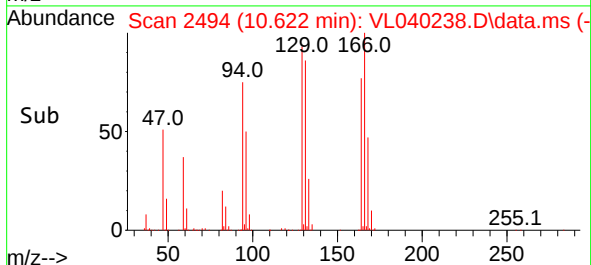
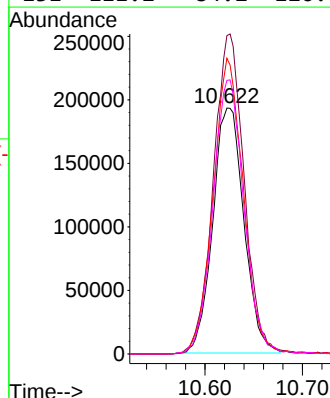
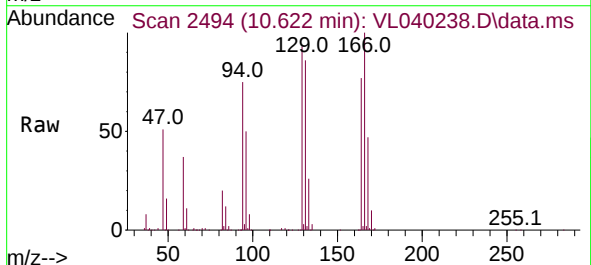
Ion Ratio Lower Upper

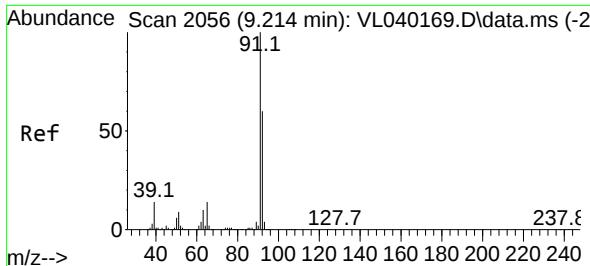
164 100

166 129.7 101.5 152.3

129 120.3 89.0 133.4

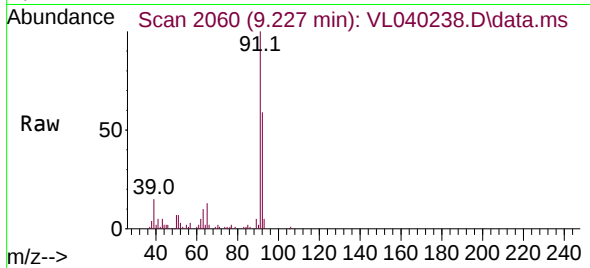
131 111.2 84.2 126.4





#53
Toluene
Concen: 0.463 ppbv m
RT: 9.227 min Scan# 2056
Delta R.T. 0.010 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35

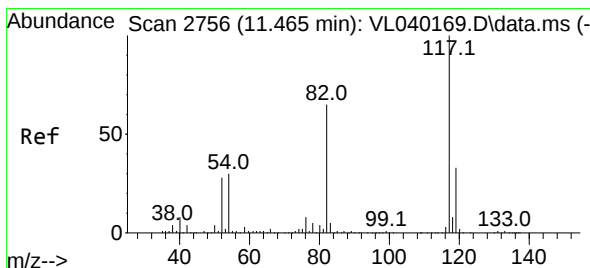
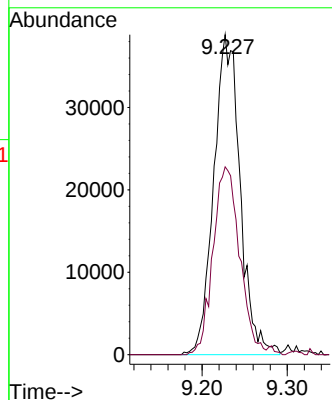
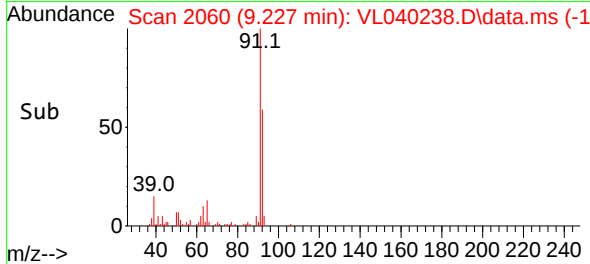
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT



Tgt Ion: 91 Resp: 8343
Ion Ratio Lower Upper
91 100
92 0.0 48.9 73.3

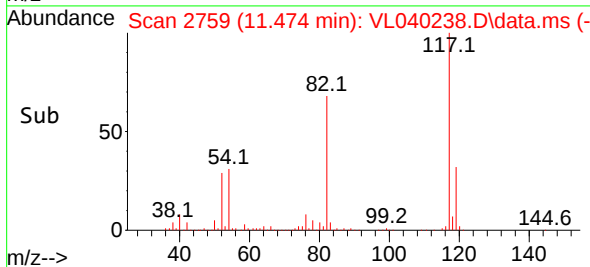
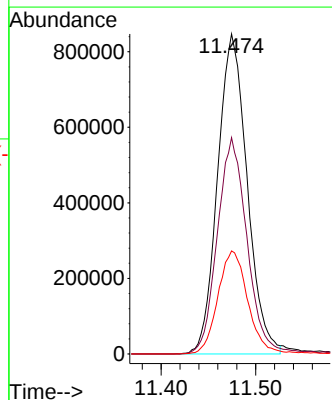
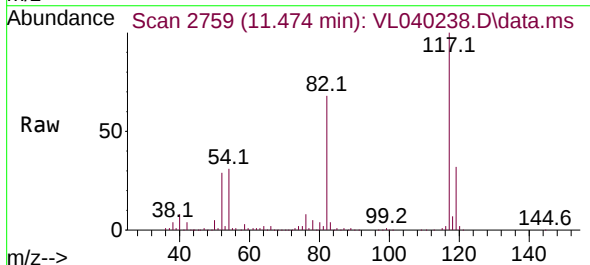
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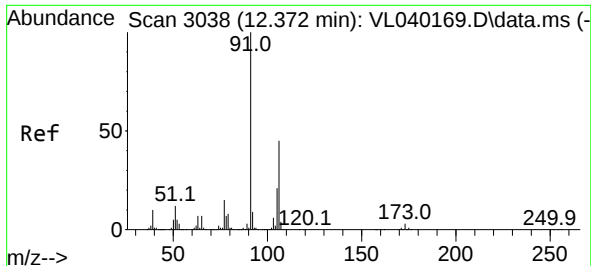
Reviewed By :Semsettin Yesilyurt 02/28/2023
Supervised By :Mahesh Dadoda 02/28/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.474 min Scan# 2759
Delta R.T. 0.007 min
Lab File: VL040238.D
Acq: 27 Feb 2023 16:35

Tgt Ion:117 Resp: 1837517
Ion Ratio Lower Upper
117 100
82 69.0 53.3 79.9
119 33.1 24.6 37.0





#59

m/p-Xylene

Concen: 0.109 ppbv m

RT: 12.355 min Scan# 3033

Delta R.T. -0.019 min

Lab File: VL040238.D

Acq: 27 Feb 2023 16:35

Instrument :

MSVOA_L

ClientSampleId :

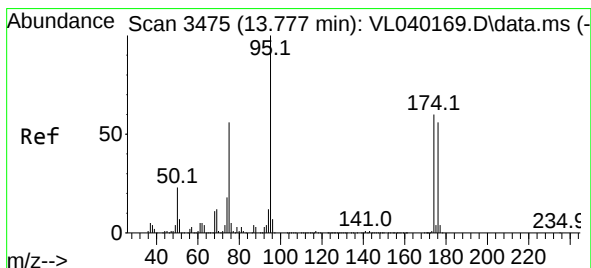
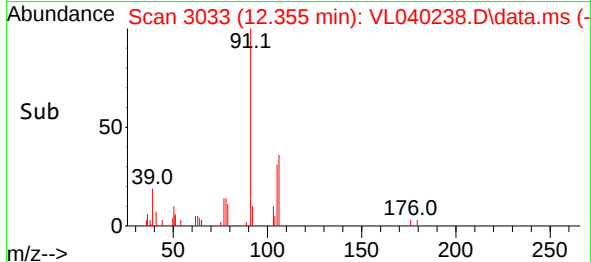
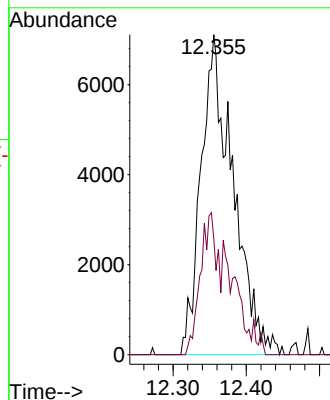
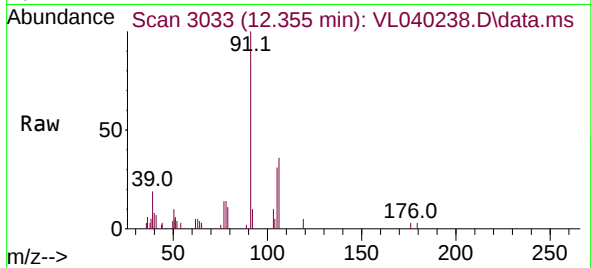
02212023-INFLUENT

Tgt Ion: 91 Resp: 21492
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.6 51.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/28/2023
 Supervised By :Mahesh Dadoda 02/28/2023



#68

1-Bromo-4-Fluorobenzene

Concen: 9.521 ppbv

RT: 13.786 min Scan# 3478

Delta R.T. 0.010 min

Lab File: VL040238.D

Acq: 27 Feb 2023 16:35

Tgt Ion: 95 Resp: 1438609
 Ion Ratio Lower Upper
 95 100
 174 58.4 48.2 72.2
 175 4.0 3.4 5.2

