

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022823\
 Data File : VL040243.D
 Acq On : 28 Feb 2023 10:37
 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 03/01/2023
 Supervised By :Mahesh Dadoda 03/01/2023

Quant Time: Mar 01 04:23:50 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 Mar 01 04:21:39 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.198	49	834869	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.664	114	2099570	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	1791298	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	1392477	9.453	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.729	85	38837	0.250	ppbv	97
3) Chlorodifluoromethane	2.671	51	32626m	0.327	ppbv	
4) Chloromethane	2.816	50	11499	0.184	ppbv	93
9) Propene	2.703	41	22364m	0.550	ppbv	
10) Heptane	7.597	43	10361m	0.107	ppbv	
11) Trichlorofluoromethane	3.568	101	44526	0.319	ppbv	93
13) Ethanol	3.247	45	82335	22.000	ppbv	88
15) Acetone	3.472	43	499290	4.967	ppbv	99
19) Isopropyl Alcohol	3.584	45	59941m	1.255	ppbv	
20) Methylene Chloride	3.938	84	1261511	24.109	ppbv	98
26) Hexane	5.221	57	1960570	24.442	ppbv #	35
29) Chloroform	5.282	83	17897m	0.130	ppbv	
30) Cyclohexane	6.610	84	7335m	0.116	ppbv	
31) cis-1,2-Dichloroethene	5.089	61	38720	0.508	ppbv	93
32) 1,1,1-Trichloroethane	6.008	97	21284m	0.164	ppbv	
34) 2-Butanone	4.803	43	33189m	0.320	ppbv	
35) Carbon Tetrachloride	6.500	117	8025m	0.065	ppbv	
36) Benzene	6.378	78	37927m	0.232	ppbv	
38) Trichloroethene	7.304	130	58935m	0.655	ppbv	
50) 4-Methyl-2-Pentanone	8.221	43	30510m	0.190	ppbv	
52) Tetrachloroethene	10.632	164	388523	7.615	ppbv	98
53) Toluene	9.240	91	72045	0.412	ppbv	100
59) m/p-Xylene	12.362	91	19425m	0.101	ppbv	

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

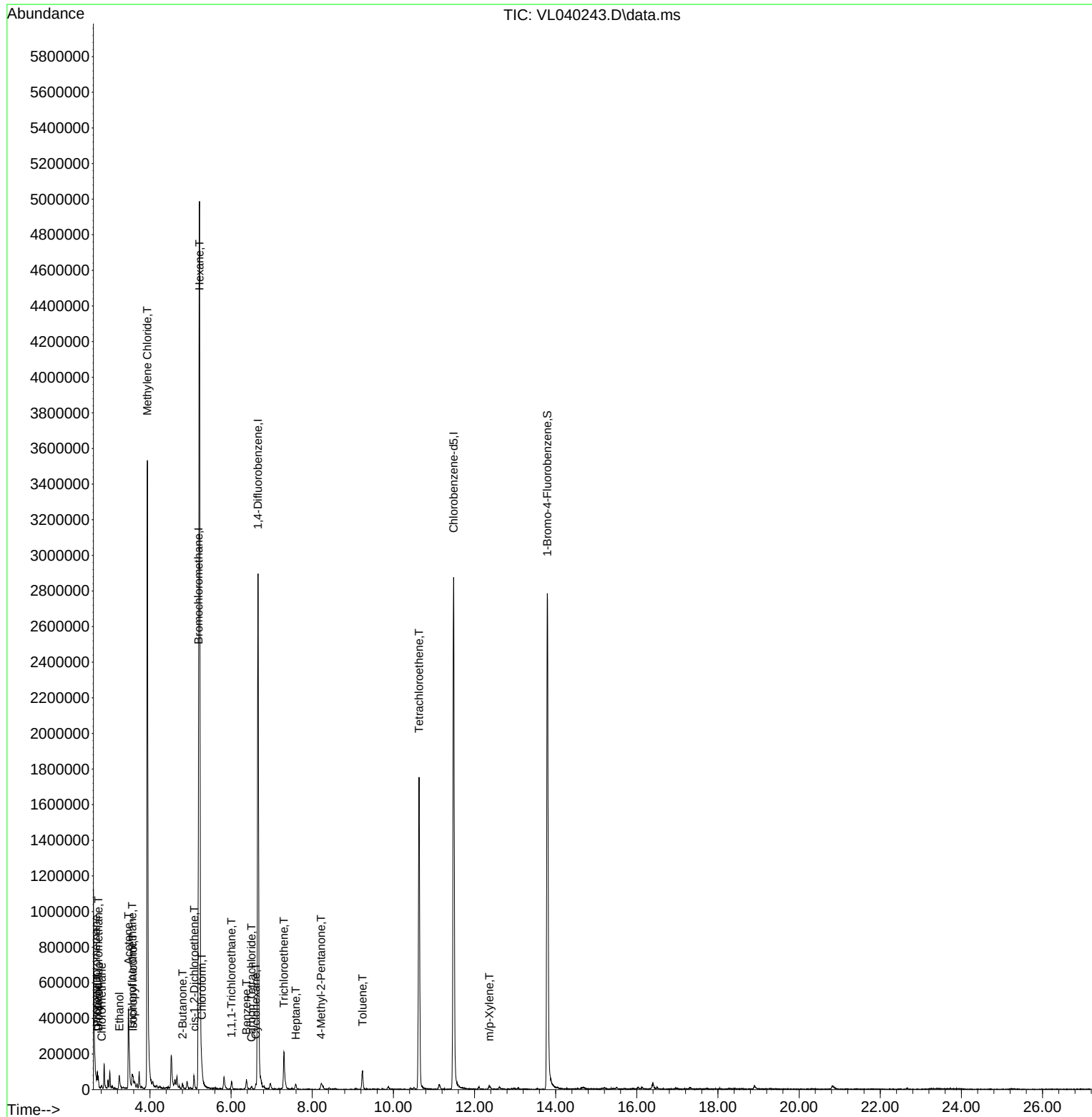
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL022823\
Data File : VL040243.D
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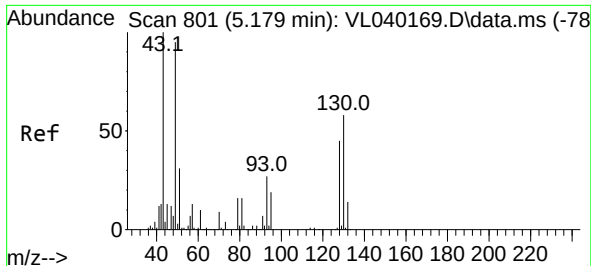
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT

Quant Time: Mar 01 04:23:50 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 Mar 01 04:21:39 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

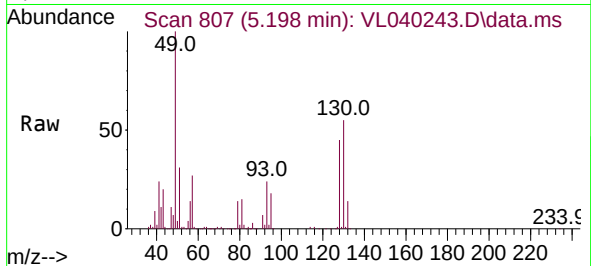
Reviewed By :Semsettin Yesilyurt 03/01/2023
Supervised By :Mahesh Dadoda 03/01/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.198 min Scan# 80
Delta R.T. -0.003 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

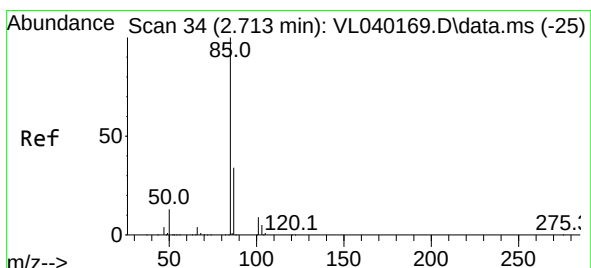
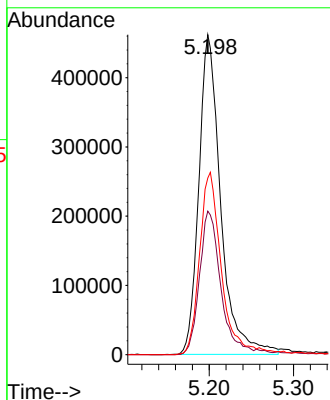
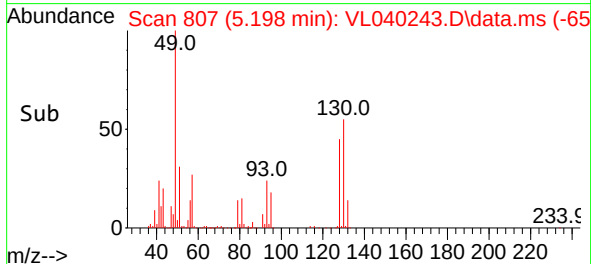
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT



Tgt Ion: 49 Resp: 834869
Ion Ratio Lower Upper
49 100
128 45.8 24.1 72.3
130 58.2 30.9 92.8

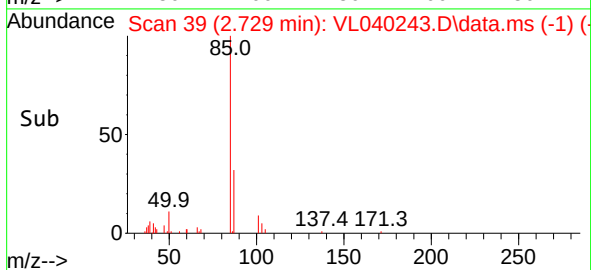
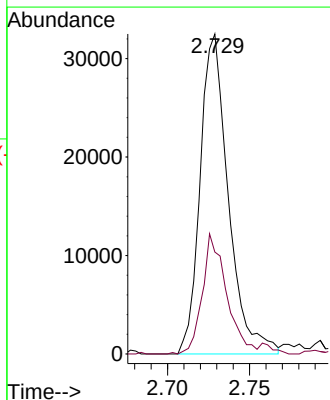
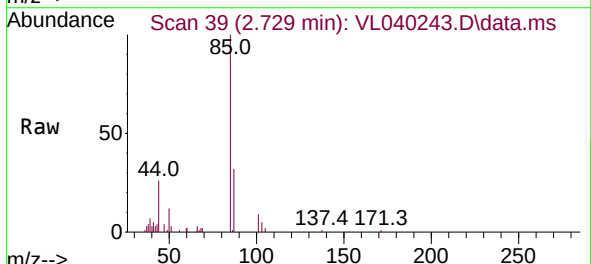
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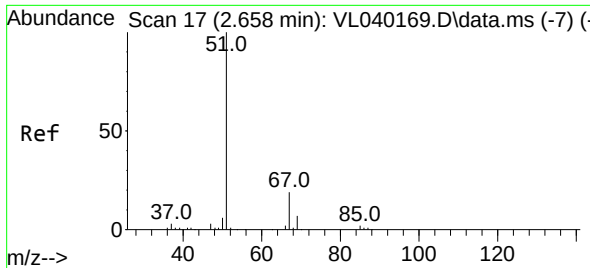
Reviewed By :Semsettin Yesilyurt 03/01/2023
Supervised By :Mahesh Dadoda 03/01/2023



#2
Dichlorodifluoromethane
Concen: 0.250 ppbv
RT: 2.729 min Scan# 39
Delta R.T. 0.003 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

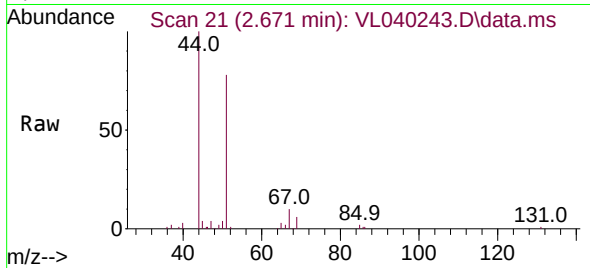
Tgt Ion: 85 Resp: 38837
Ion Ratio Lower Upper
85 100
87 31.8 27.0 40.6





#3
Chlorodifluoromethane
Concen: 0.327 ppbv m
RT: 2.671 min Scan# 21
Delta R.T. 0.000 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

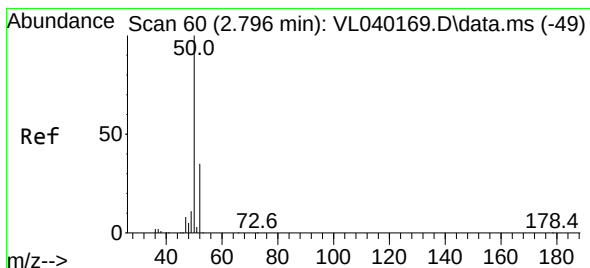
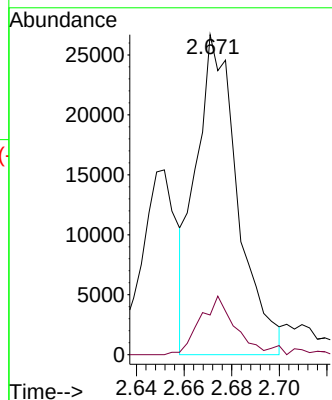
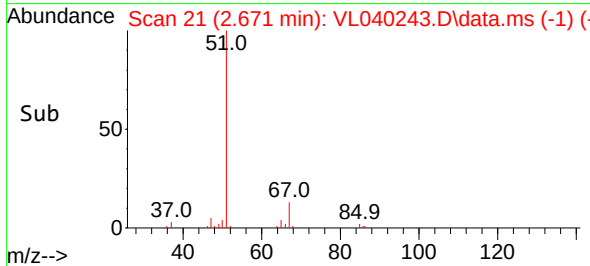
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT



Tgt Ion: 51 Resp: 32620
Ion Ratio Lower Upper
51 100
67 16.7 15.4 23.2

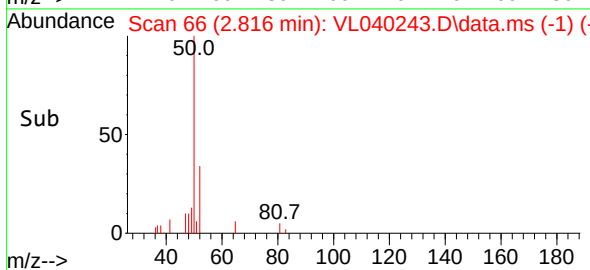
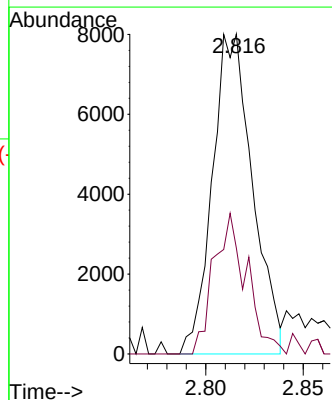
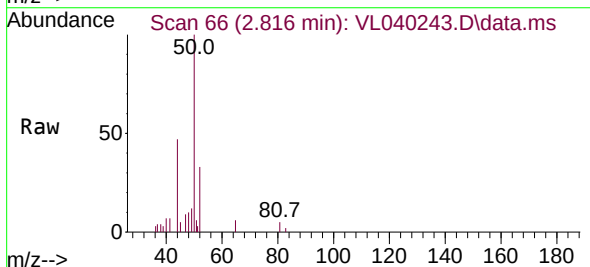
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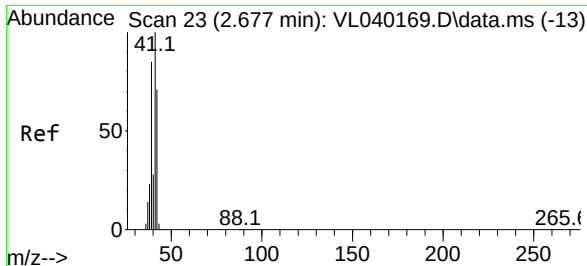
Reviewed By :Semsettin Yesilyurt 03/01/2023
Supervised By :Mahesh Dadoda 03/01/2023



#4
Chloromethane
Concen: 0.184 ppbv
RT: 2.816 min Scan# 66
Delta R.T. 0.003 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

Tgt Ion: 50 Resp: 11499
Ion Ratio Lower Upper
50 100
52 31.3 28.3 42.5





#9

Propene

Concen: 0.550 ppbv m

RT: 2.703 min Scan# 31

Delta R.T. 0.013 min

Lab File: VL040243.D

Acq: 28 Feb 2023 10:37

Instrument :

MSVOA_L

ClientSampleId :

02212023-INFLUENT

Tgt Ion: 41 Resp: 22364

Ion Ratio Lower Upper

41 100

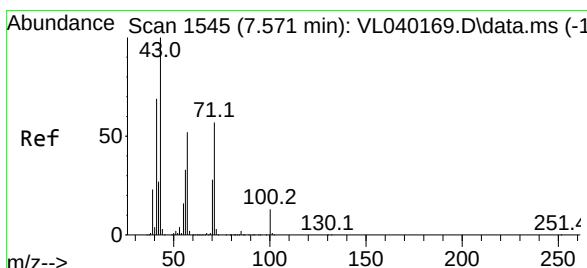
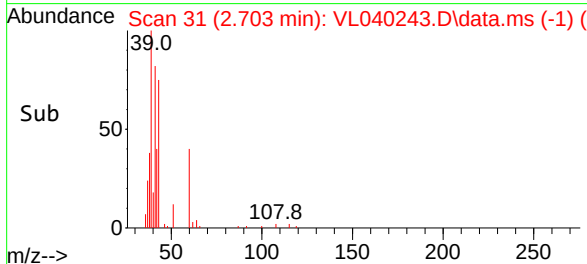
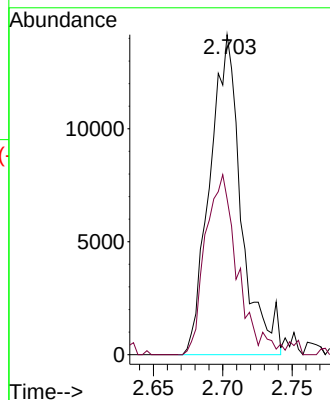
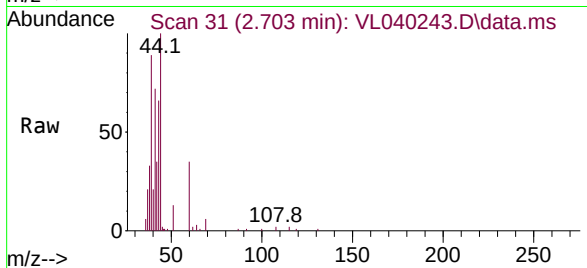
42 59.4 56.9 85.3

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 03/01/2023

Supervised By :Mahesh Dadoda 03/01/2023



#10

Heptane

Concen: 0.107 ppbv m

RT: 7.597 min Scan# 1553

Delta R.T. 0.003 min

Lab File: VL040243.D

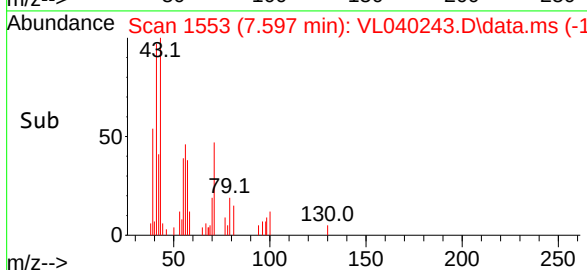
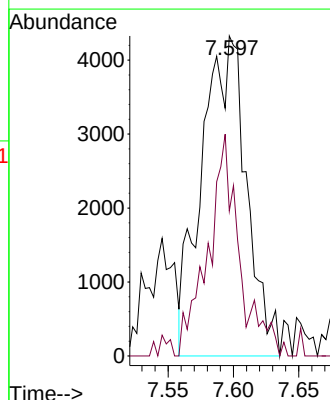
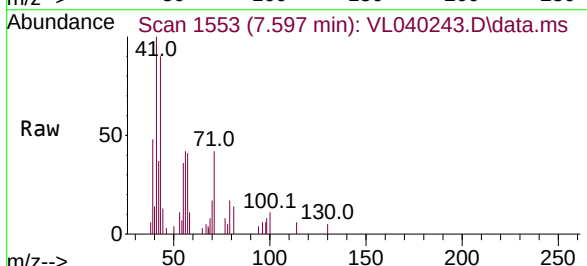
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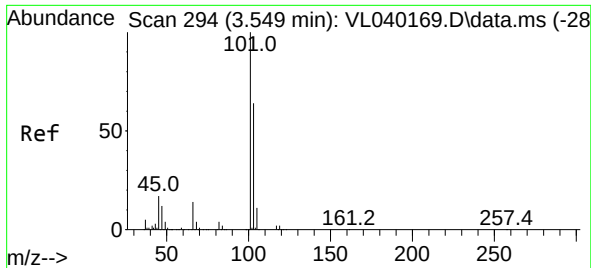
Tgt Ion: 43 Resp: 10361

Ion Ratio Lower Upper

43 100

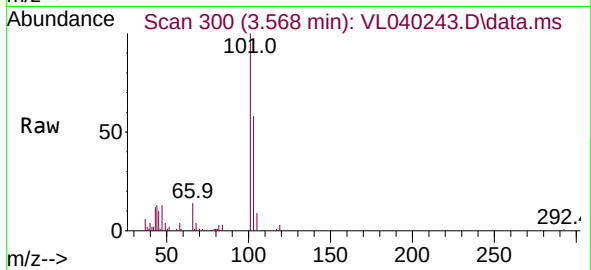
57 0.0 41.4 62.2#





#11
Trichlorofluoromethane
Concen: 0.319 ppbv
RT: 3.568 min Scan# 300
Delta R.T. 0.003 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

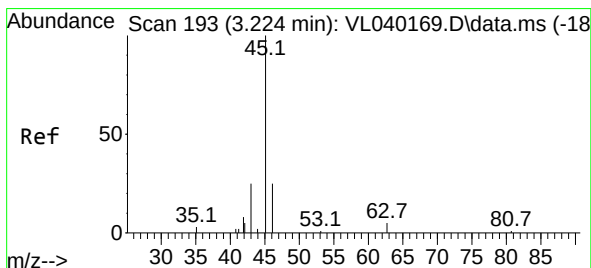
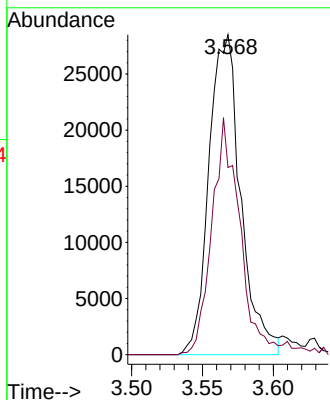
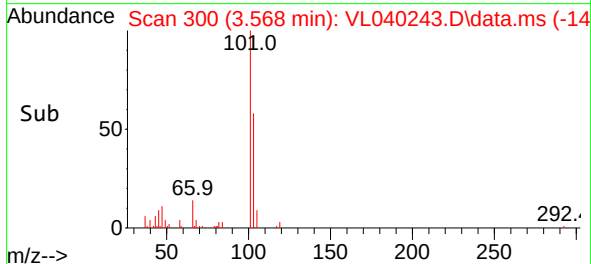
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT



Tgt Ion:101 Resp: 44520
Ion Ratio Lower Upper
101 100
103 58.5 51.0 76.6

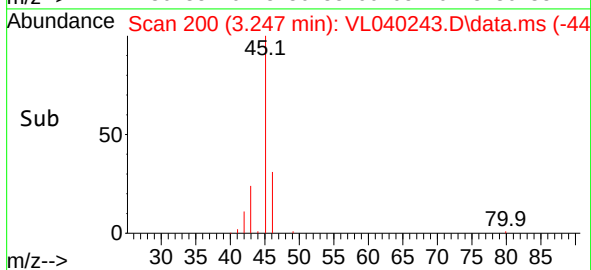
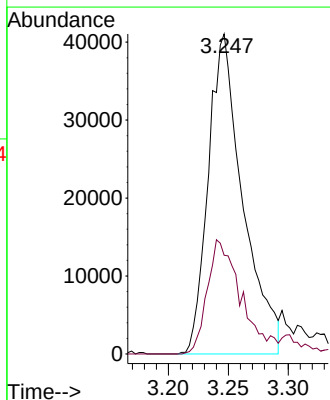
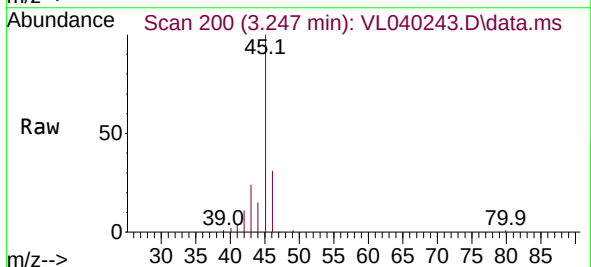
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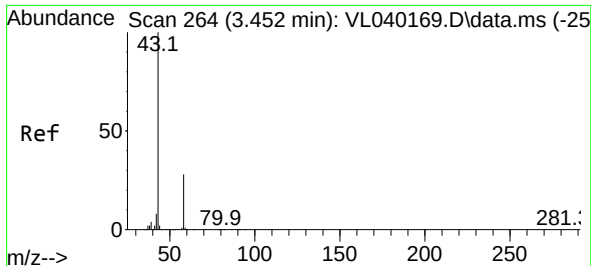
Reviewed By :Semsettin Yesilyurt 03/01/2023
Supervised By :Mahesh Dadoda 03/01/2023



#13
Ethanol
Concen: 22.000 ppbv
RT: 3.247 min Scan# 200
Delta R.T. 0.000 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

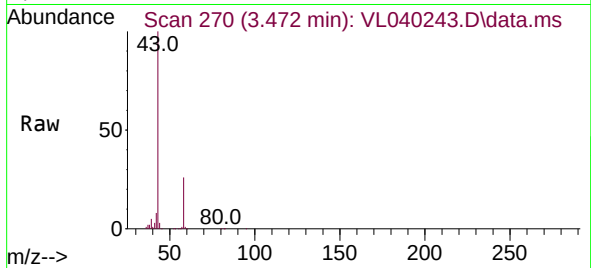
Tgt Ion: 45 Resp: 82335
Ion Ratio Lower Upper
45 100
46 39.8 13.3 53.1





#15
Acetone
Concen: 4.967 ppbv
RT: 3.472 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

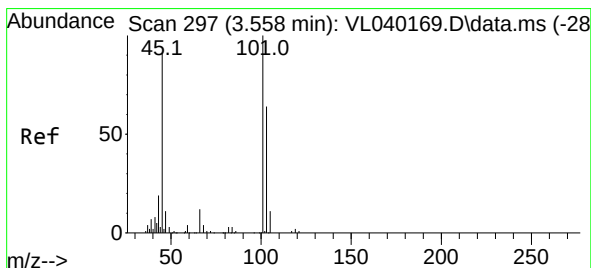
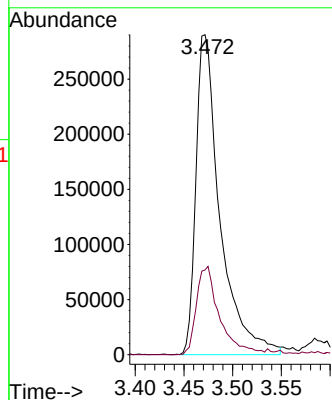
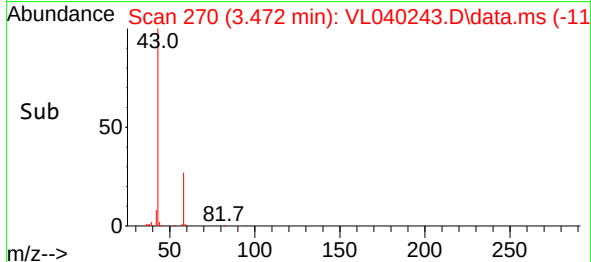
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT



Tgt Ion: 43 Resp: 499290
Ion Ratio Lower Upper
43 100
58 27.5 22.4 33.6

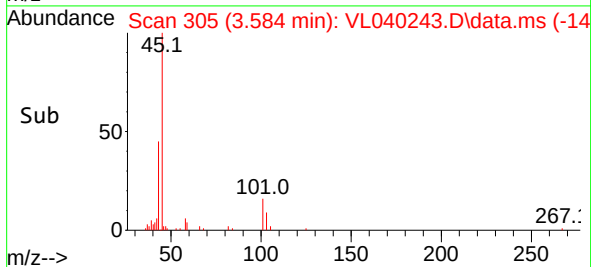
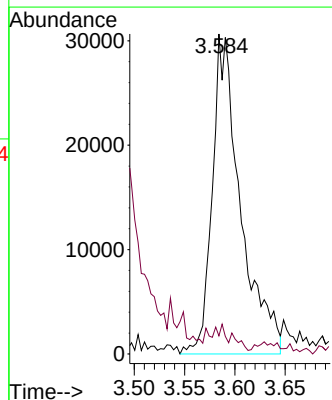
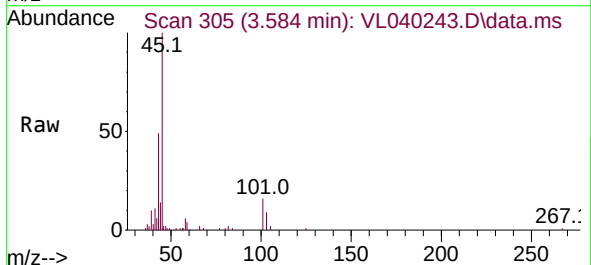
Manual Integrations
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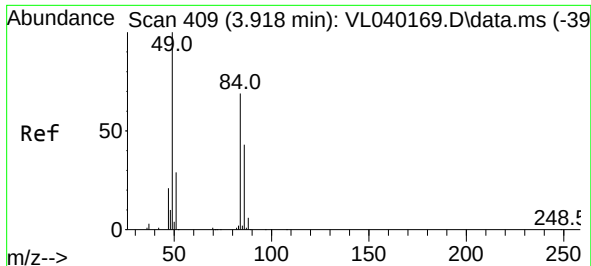
Reviewed By :Semsettin Yesilyurt 03/01/2023
Supervised By :Mahesh Dadoda 03/01/2023



#19
Isopropyl Alcohol
Concen: 1.255 ppbv m
RT: 3.584 min Scan# 305
Delta R.T. 0.010 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

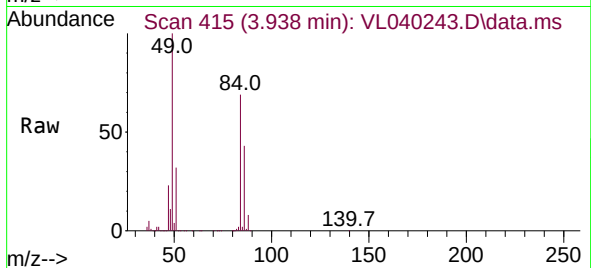
Tgt Ion: 45 Resp: 59941
Ion Ratio Lower Upper
45 100
58 7.6 2.6 3.8#





#20
Methylene Chloride
Concen: 24.109 ppbv
RT: 3.938 min Scan# 415
Delta R.T. 0.003 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT

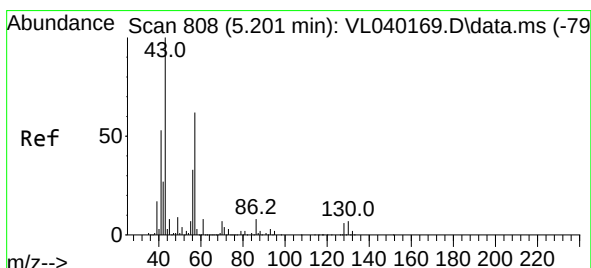
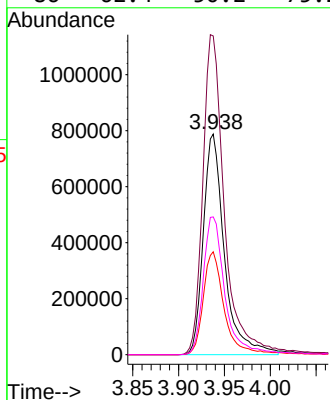
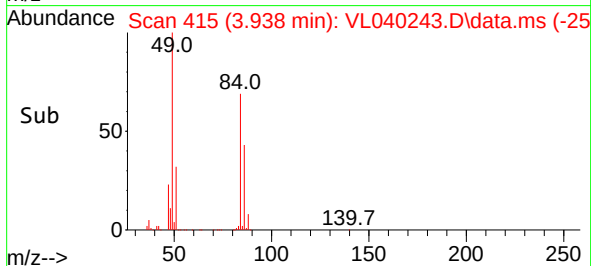


Tgt Ion: 84 Resp: 126151

Ion	Ratio	Lower	Upper
84	100		
49	144.5	115.5	173.3
51	46.6	33.1	49.7
86	62.4	50.2	75.2

Manual Integrations
APPROVED

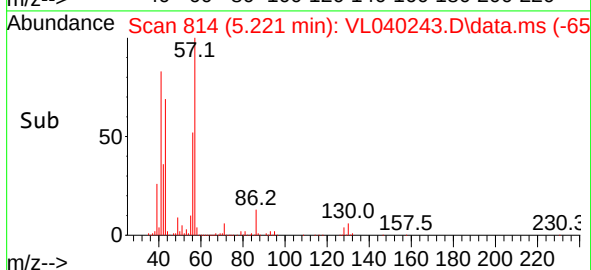
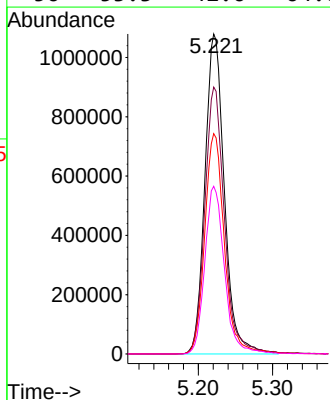
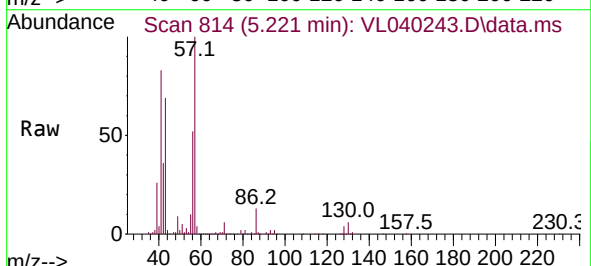
Reviewed By :Semsettin Yesilyurt 03/01/2023
Supervised By :Mahesh Dadoda 03/01/2023

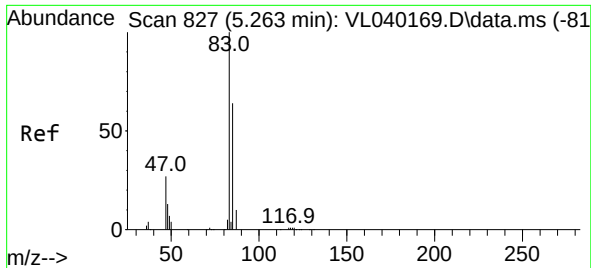


#26
Hexane
Concen: 24.442 ppbv
RT: 5.221 min Scan# 814
Delta R.T. -0.003 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

Tgt Ion: 57 Resp: 1960570

Ion	Ratio	Lower	Upper
57	100		
41	84.9	74.3	111.5
43	70.0	193.0	289.4#
56	53.3	42.6	64.0





#29

Chloroform

Concen: 0.130 ppbv m

RT: 5.282 min Scan# 81

Delta R.T. 0.000 min

Lab File: VL040243.D

Acq: 28 Feb 2023 10:37

Instrument :

MSVOA_L

ClientSampleId :

02212023-INFLUENT

Tgt Ion: 83 Resp: 1789

Ion Ratio Lower Upper

83 100

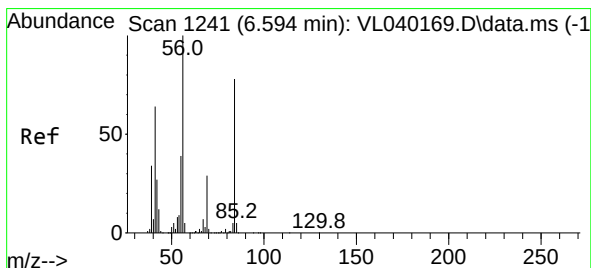
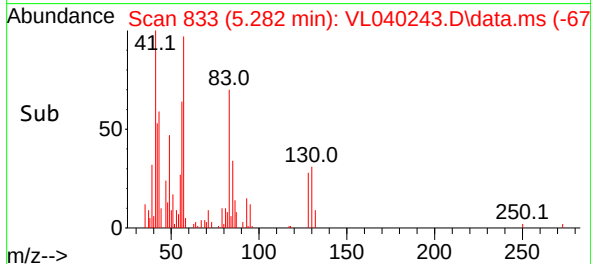
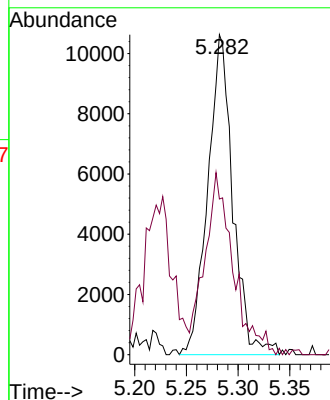
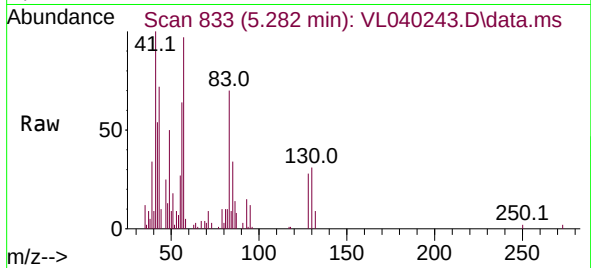
85 48.7 51.5 77.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 03/01/2023

Supervised By :Mahesh Dadoda 03/01/2023



#30

Cyclohexane

Concen: 0.116 ppbv m

RT: 6.610 min Scan# 1246

Delta R.T. -0.006 min

Lab File: VL040243.D

Acq: 28 Feb 2023 10:37

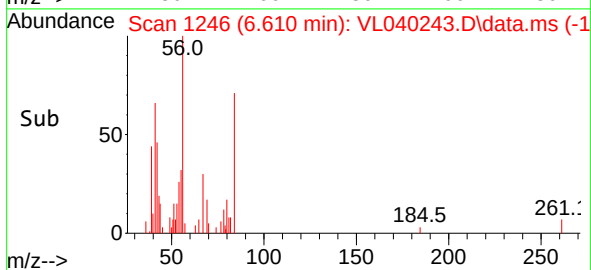
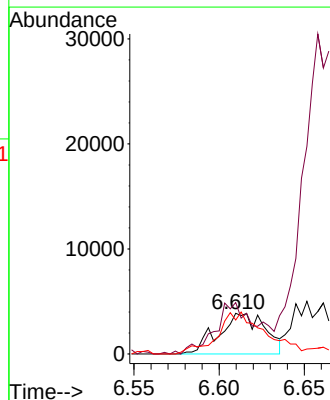
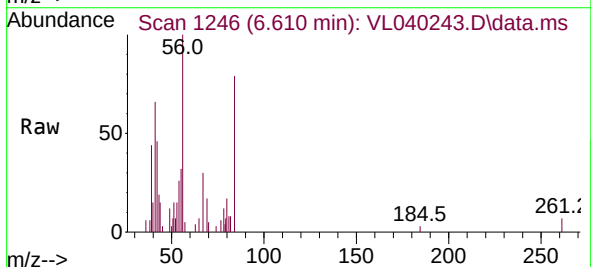
Tgt Ion: 84 Resp: 7335

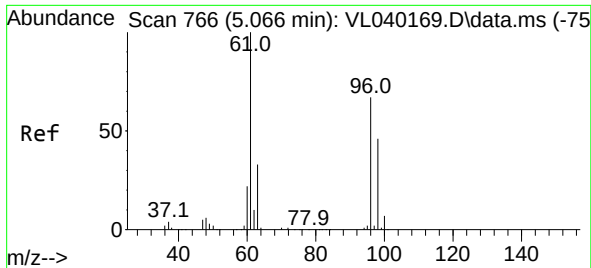
Ion Ratio Lower Upper

84 100

56 118.6 109.9 164.9

41 113.2 67.8 101.6





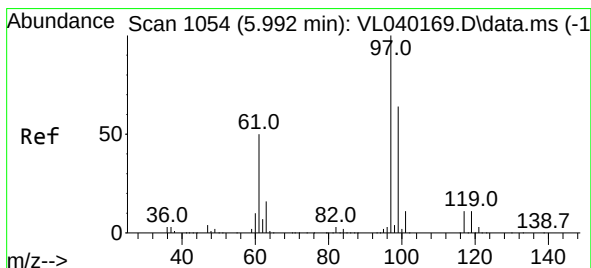
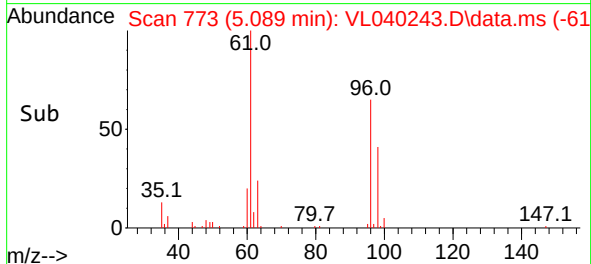
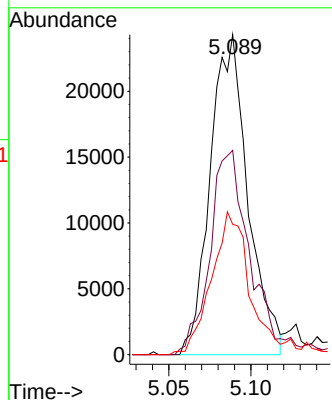
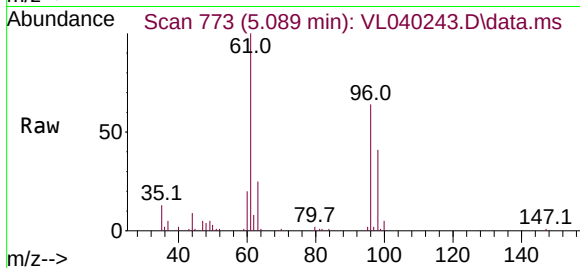
#31
 cis-1,2-Dichloroethene
 Concen: 0.508 ppbv
 RT: 5.089 min Scan# 71
 Delta R.T. 0.003 min
 Lab File: VL040243.D
 Acq: 28 Feb 2023 10:37

Instrument :
 MSVOA_L
 ClientSampleId :
 02212023-INFLUENT

Tgt Ion: 61 Resp: 38720
 Ion Ratio Lower Upper
 61 100
 96 62.1 53.7 80.5
 98 39.7 36.4 54.6

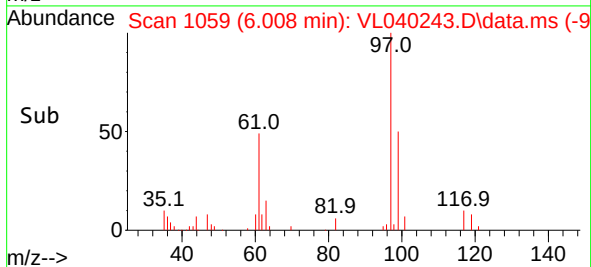
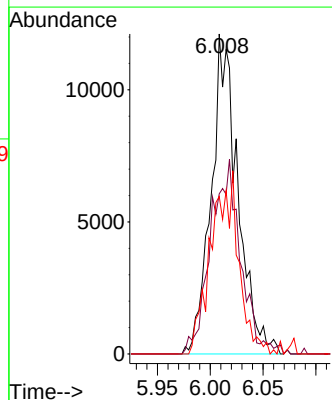
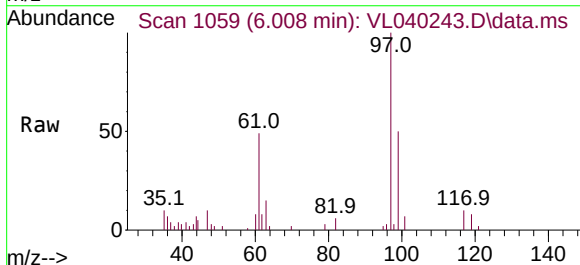
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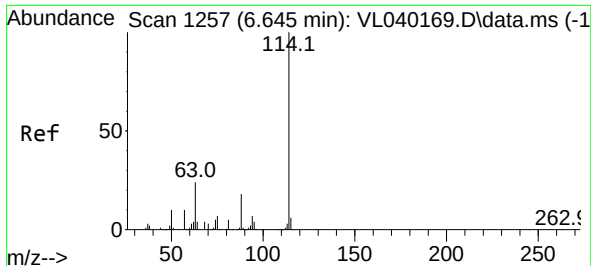
Reviewed By :Semsettin Yesilyurt 03/01/2023
 Supervised By :Mahesh Dadoda 03/01/2023



#32
 1,1,1-Trichloroethane
 Concen: 0.164 ppbv m
 RT: 6.008 min Scan# 1059
 Delta R.T. -0.006 min
 Lab File: VL040243.D
 Acq: 28 Feb 2023 10:37

Tgt Ion: 97 Resp: 21284
 Ion Ratio Lower Upper
 97 100
 99 68.5 51.5 77.3
 61 59.9 40.6 60.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.664 min Scan# 11

Delta R.T. 0.000 min

Lab File: VL040243.D

Acq: 28 Feb 2023 10:37

Instrument :

MSVOA_L

ClientSampleId :

02212023-INFLUENT

Tgt Ion:114 Resp: 2099570

Ion Ratio Lower Upper

114 100

63 26.4 20.4 30.6

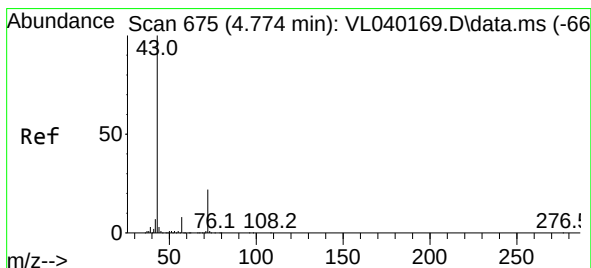
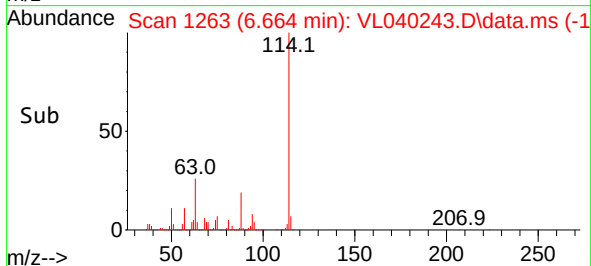
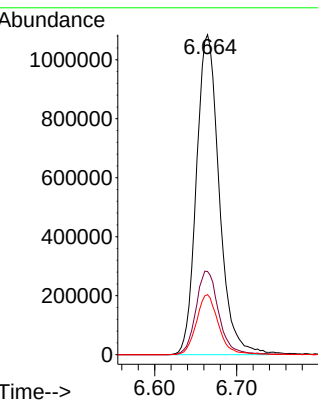
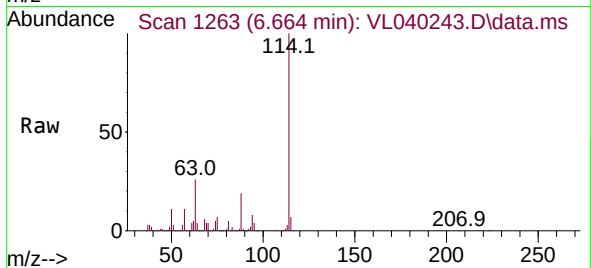
88 18.3 14.3 21.5

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Reviewed By :Semsettin Yesilyurt 03/01/2023

Supervised By :Mahesh Dadoda 03/01/2023



#34

2-Butanone

Concen: 0.320 ppbv m

RT: 4.803 min Scan# 684

Delta R.T. 0.010 min

Lab File: VL040243.D

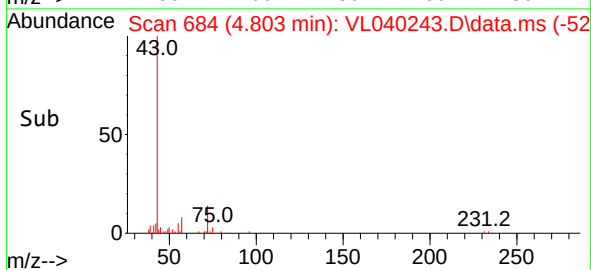
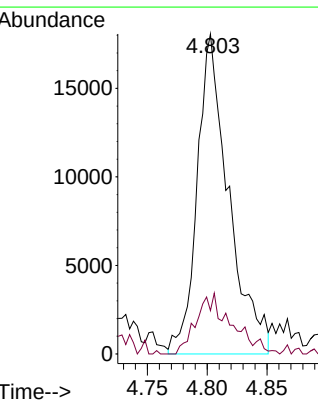
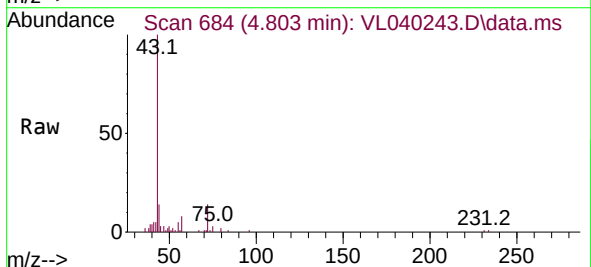
Acq: 28 Feb 2023 10:37

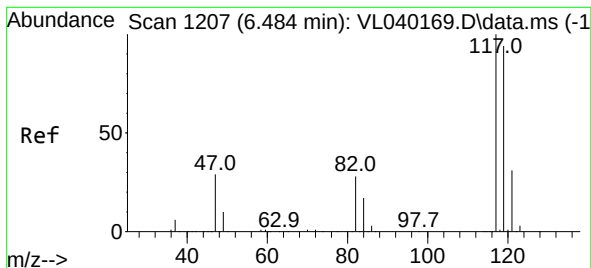
Tgt Ion: 43 Resp: 33189

Ion Ratio Lower Upper

43 100

72 21.4 17.8 26.8





#35

Carbon Tetrachloride

Concen: 0.065 ppbv m

RT: 6.500 min Scan# 1174

Delta R.T. -0.006 min

Lab File: VL040243.D

Acq: 28 Feb 2023 10:37

Instrument :

MSVOA_L

ClientSampleId :

02212023-INFLUENT

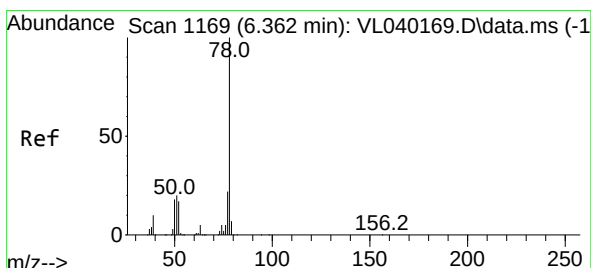
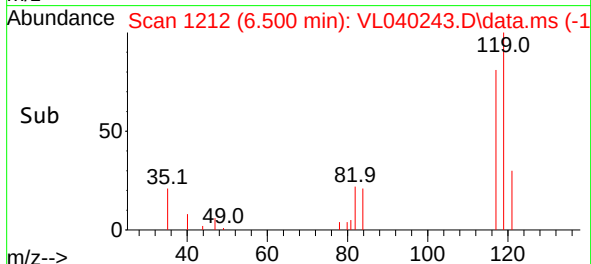
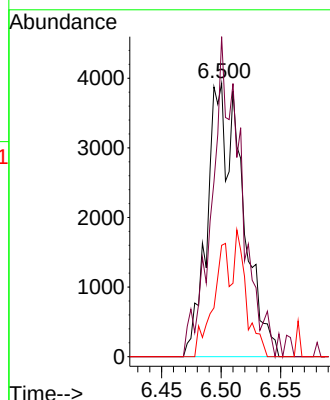
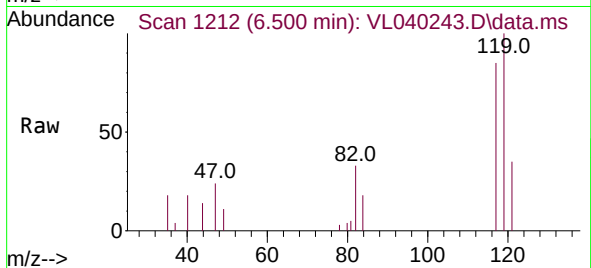
Tgt Ion: 117 Resp: 802

Ion	Ratio	Lower	Upper
117	100		
119	117.1	75.0	112.6
121	40.7	25.0	37.4

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Reviewed By :Semsettin Yesilyurt 03/01/2023
Supervised By :Mahesh Dadoda 03/01/2023



#36

Benzene

Concen: 0.232 ppbv m

RT: 6.378 min Scan# 1174

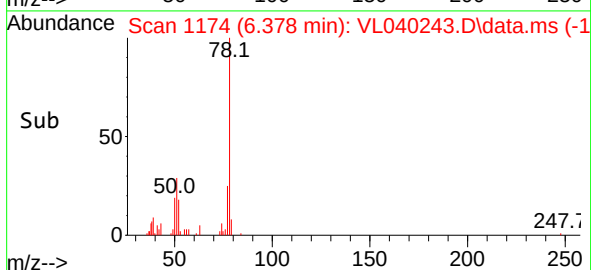
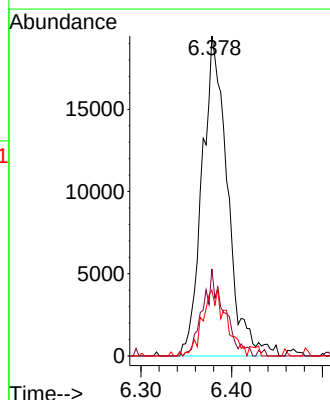
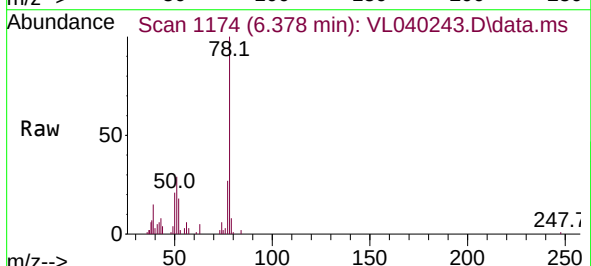
Delta R.T. -0.006 min

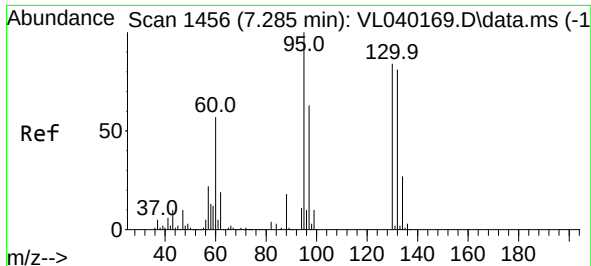
Lab File: VL040243.D

Acq: 28 Feb 2023 10:37

Tgt Ion: 78 Resp: 37927

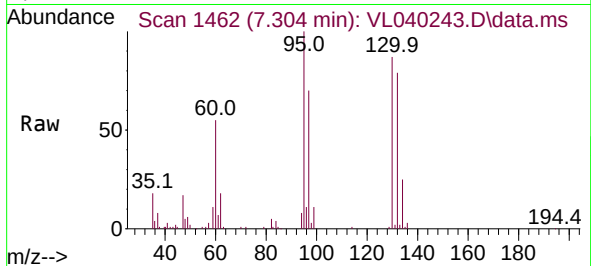
Ion	Ratio	Lower	Upper
78	100		
77	27.2	17.5	26.3
50	20.6	14.6	22.0





#38
 Trichloroethene
 Concen: 0.655 ppbv m
 RT: 7.304 min Scan# 1456
 Delta R.T. -0.003 min
 Lab File: VL040243.D
 Acq: 28 Feb 2023 10:37

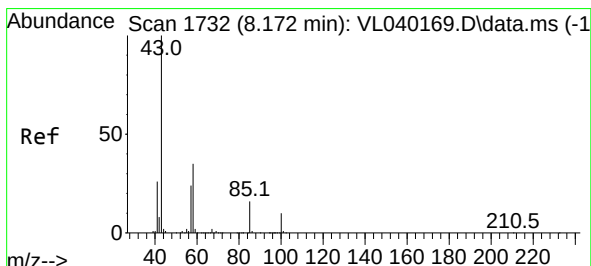
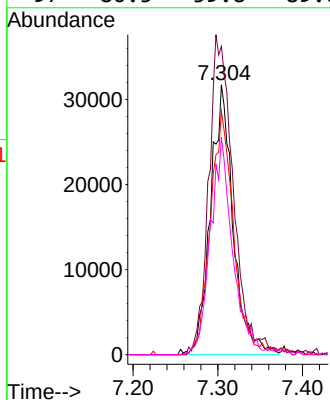
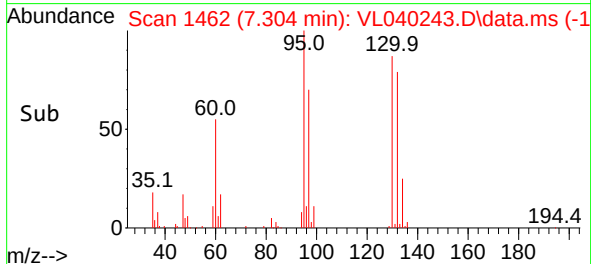
Instrument :
 MSVOA_L
 ClientSampleId :
 02212023-INFLUENT



Tgt Ion:130 Resp: 58935
 Ion Ratio Lower Upper
 130 100
 95 114.3 94.7 142.1
 132 90.1 76.4 114.6
 97 80.5 59.8 89.6

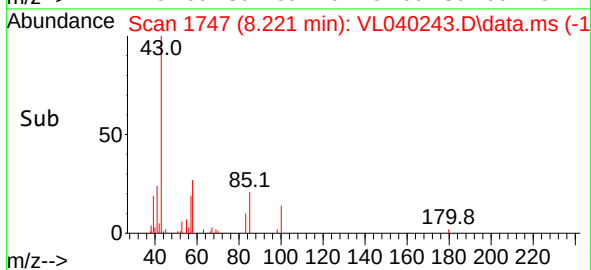
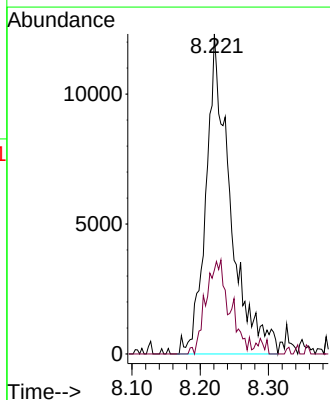
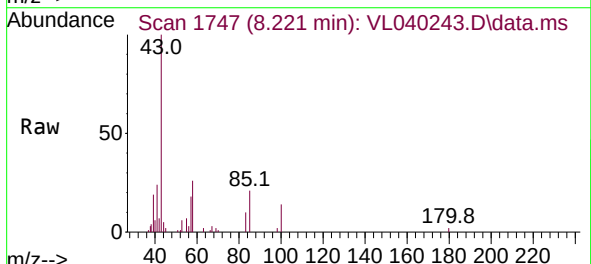
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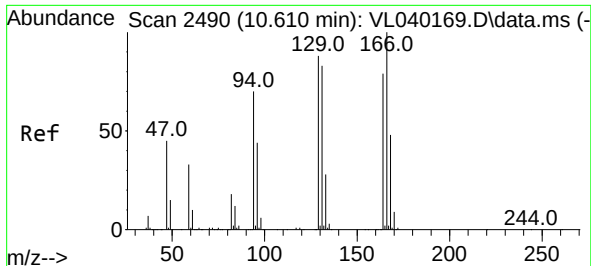
Reviewed By :Semsettin Yesilyurt 03/01/2023
 Supervised By :Mahesh Dadoda 03/01/2023



#50
 4-Methyl-2-Pentanone
 Concen: 0.190 ppbv m
 RT: 8.221 min Scan# 1747
 Delta R.T. 0.026 min
 Lab File: VL040243.D
 Acq: 28 Feb 2023 10:37

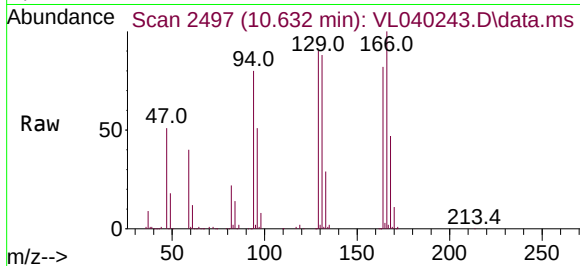
Tgt Ion: 43 Resp: 30510
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.2 43.8#





#52
Tetrachloroethene
Concen: 7.615 ppbv
RT: 10.632 min Scan# 2497
Delta R.T. -0.003 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

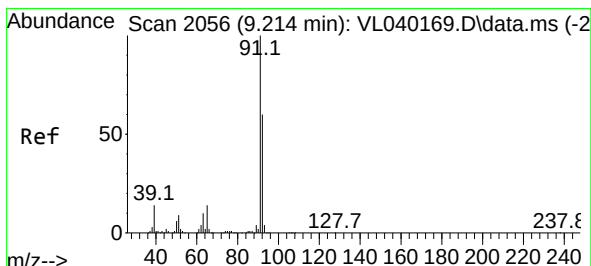
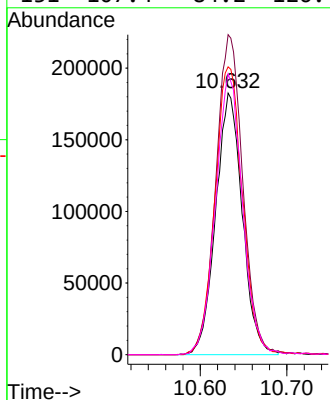
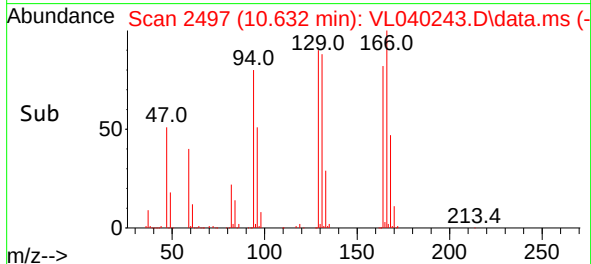
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT



Tgt Ion:164 Resp: 38852
Ion Ratio Lower Upper
164 100
166 122.3 101.5 152.3
129 109.9 89.0 133.4
131 107.4 84.2 126.4

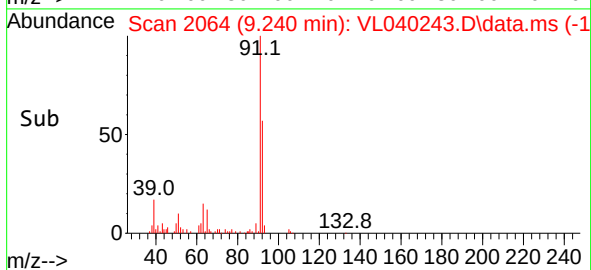
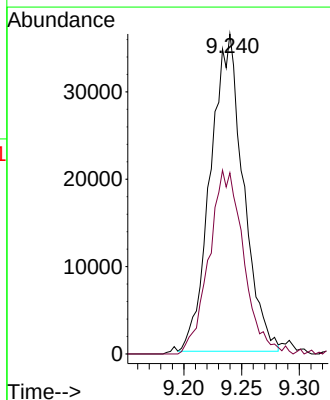
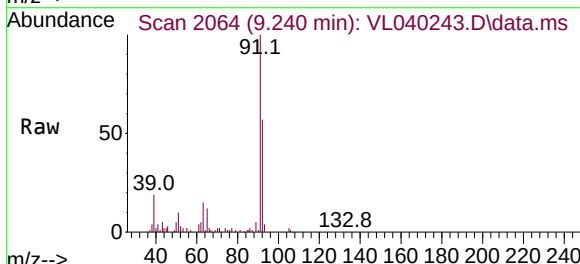
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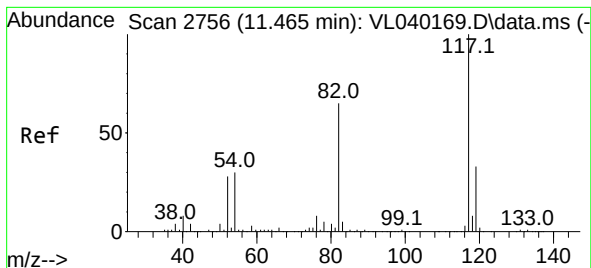
Reviewed By :Semsettin Yesilyurt 03/01/2023
Supervised By :Mahesh Dadoda 03/01/2023



#53
Toluene
Concen: 0.412 ppbv
RT: 9.240 min Scan# 2064
Delta R.T. 0.000 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

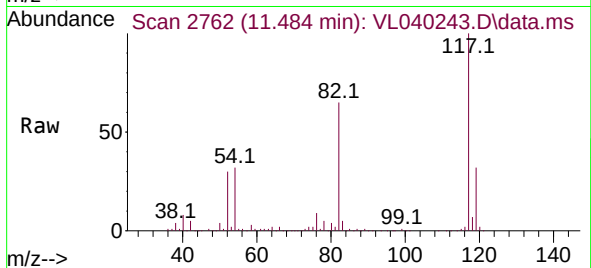
Tgt Ion: 91 Resp: 72045
Ion Ratio Lower Upper
91 100
92 61.2 48.9 73.3





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.484 min Scan# 21
Delta R.T. -0.003 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

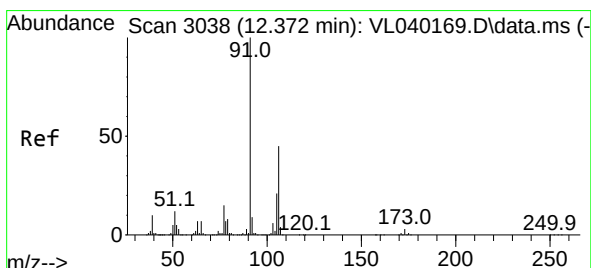
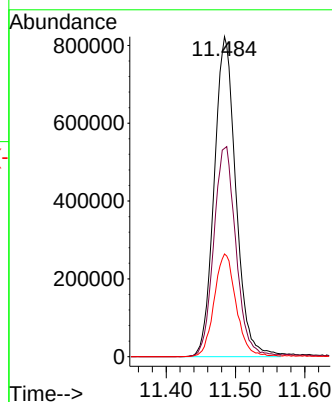
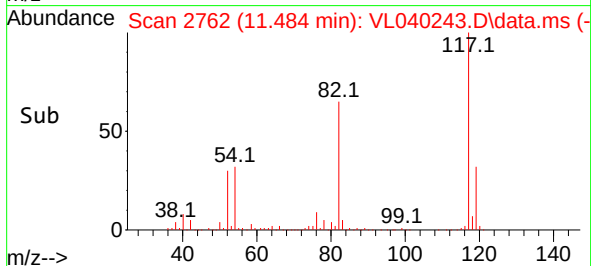
Instrument :
MSVOA_L
ClientSampleId :
02212023-INFLUENT



Tgt Ion:117 Resp: 1791298
Ion Ratio Lower Upper
117 100
82 67.4 53.3 79.9
119 32.9 24.6 37.0

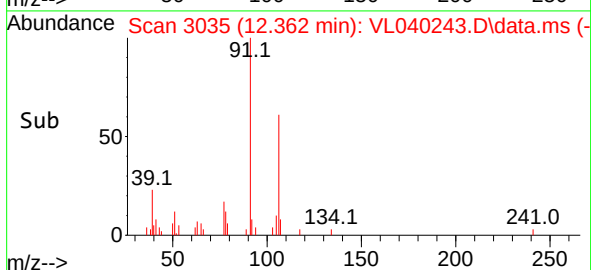
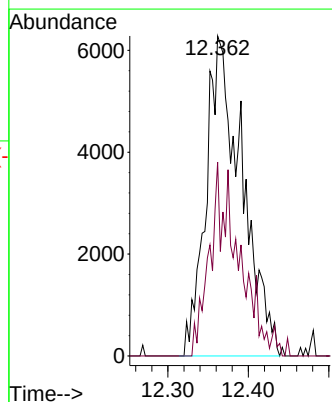
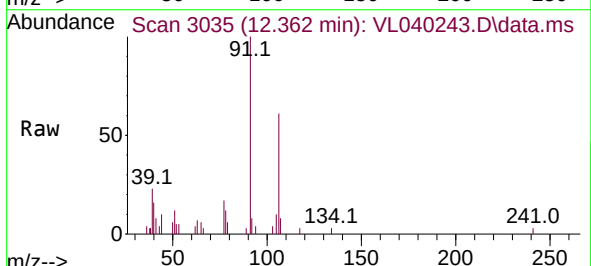
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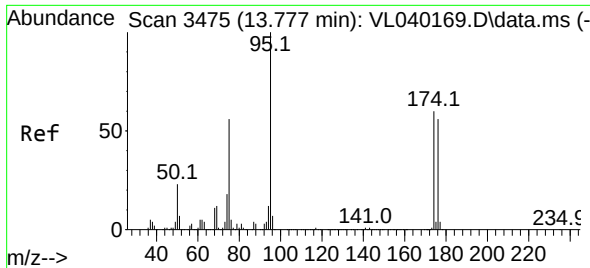
Reviewed By :Semsettin Yesilyurt 03/01/2023
Supervised By :Mahesh Dadoda 03/01/2023



#59
m/p-Xylene
Concen: 0.101 ppbv m
RT: 12.362 min Scan# 3035
Delta R.T. -0.035 min
Lab File: VL040243.D
Acq: 28 Feb 2023 10:37

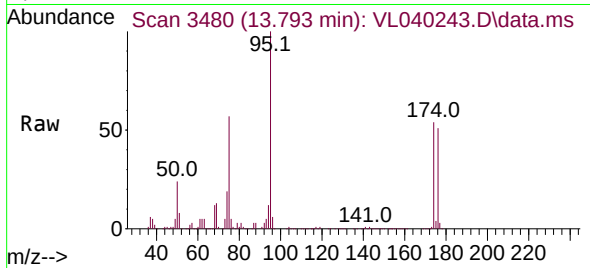
Tgt Ion: 91 Resp: 19425
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.453 ppbv
 RT: 13.793 min Scan# 34
 Delta R.T. -0.003 min
 Lab File: VL040243.D
 Acq: 28 Feb 2023 10:37

Instrument :
 MSVOA_L
 ClientSampleId :
 02212023-INFLUENT



Tgt Ion: 95 Resp: 1392477
 Ion Ratio Lower Upper
 95 100
 174 58.4 48.2 72.2
 175 4.2 3.4 5.2

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Reviewed By :Semsettin Yesilyurt 03/01/2023
 Supervised By :Mahesh Dadoda 03/01/2023

