

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
 Data File : VL040043.D
 Acq On : 20 Dec 2022 00:45
 Operator : SY/MD
 Sample : N5971-11DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022
 Supervised By :Mahesh Dadoda 12/20/2022

Quant Time: Dec 20 05:18:24 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 12 2022

QLast Update : Tue Dec 20 04:50:21 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.169	49	1055633	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.629	114	2975054	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.442	117	2610524	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.757	95	1964230	9.850	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.500%
Target Compounds						
					Qvalue	
9) Propene	2.681	41	98153m	1.485	ppbv	
10) Heptane	7.558	43	1115368	6.914	ppbv	100
13) Ethanol	3.218	45	285805	45.942	ppbv	95
15) Acetone	3.443	43	3829950	23.453	ppbv	98
19) Isopropyl Alcohol	3.565	45	45879m	0.570	ppbv	
20) Methylene Chloride	3.909	84	26726	0.385	ppbv	93
26) Hexane	5.189	57	60153	0.506	ppbv #	36
28) Methyl tert-Butyl Ether	4.565	73	65790	0.470	ppbv	97
30) Cyclohexane	6.578	84	199153	1.892	ppbv	94
36) Benzene	6.349	78	75947m	0.286	ppbv	
53) Toluene	9.201	91	9058436	30.792	ppbv	95
58) Ethyl Benzene	12.066	91	116319	0.314	ppbv	90
59) m/p-Xylene	12.320	91	363087	1.124	ppbv	95
60) o-Xylene	13.040	91	171499	0.554	ppbv	100

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

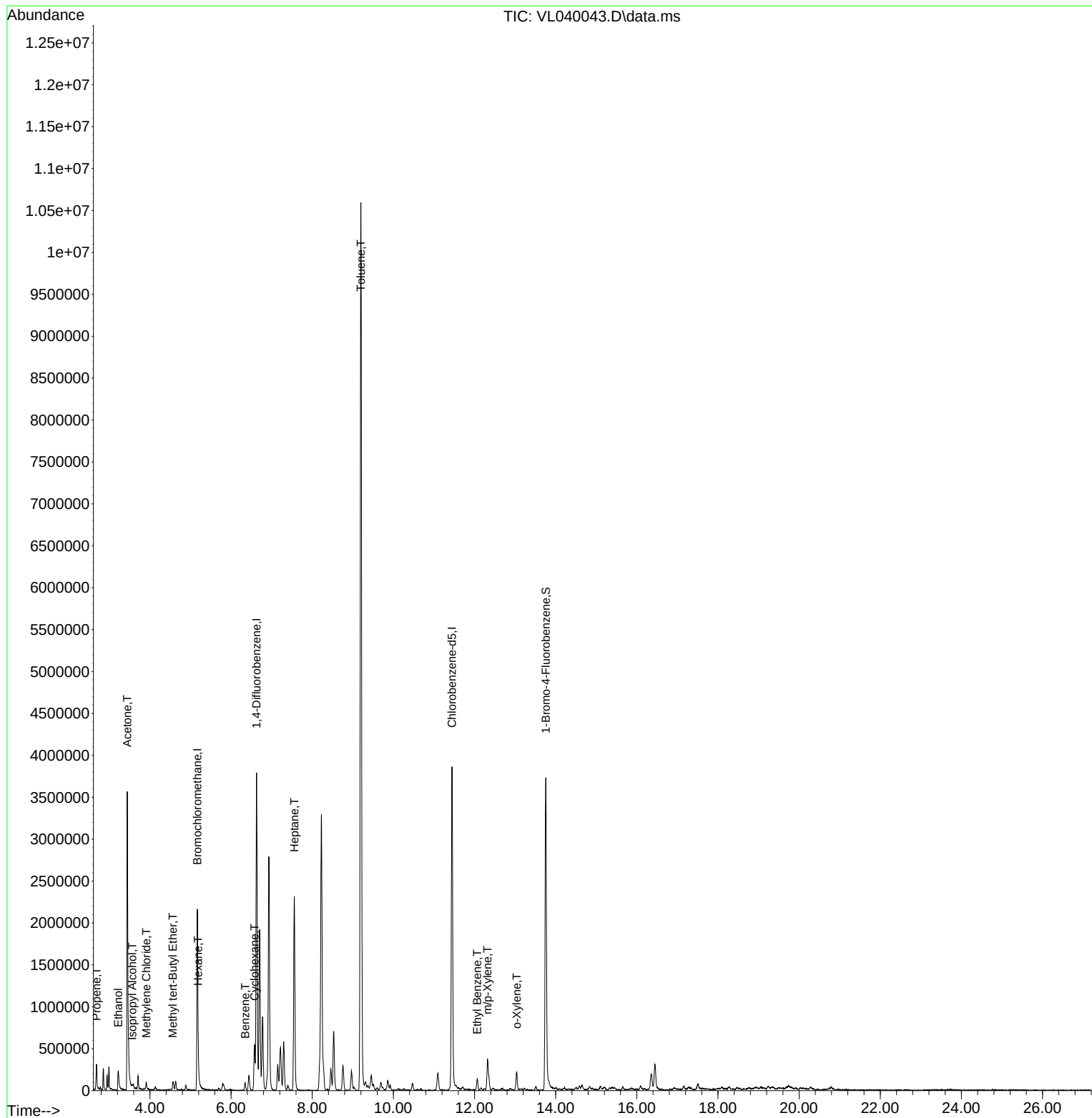
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL121922\
Data File : VL040043.D
Acq On : 20 Dec 2022 00:45
Operator : SY/MD
Sample : N5971-11DL 10X
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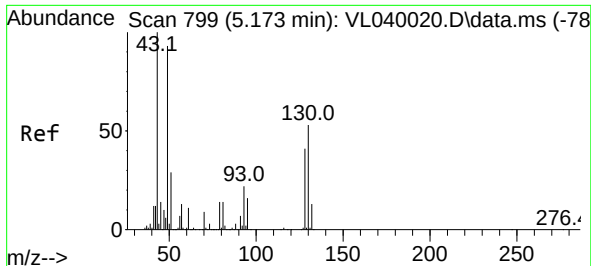
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Quant Time: Dec 20 05:18:24 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL121922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Dec 20 04:50:21 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

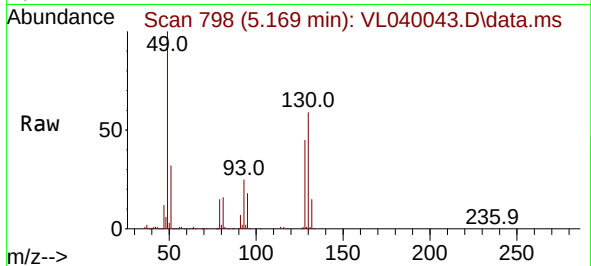
Reviewed By : Semsettin Yesilyurt 12/20/2022
Supervised By : Mahesh Dadoda 12/20/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.169 min Scan# 799
Delta R.T. -0.004 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

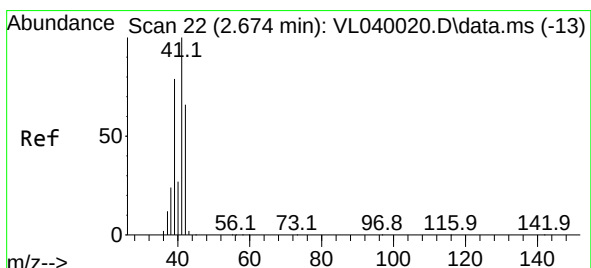
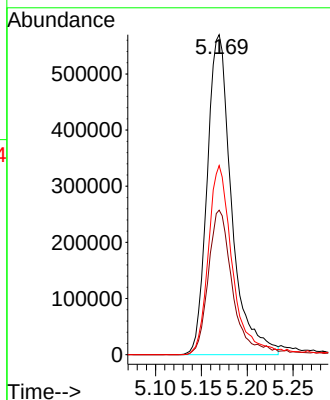
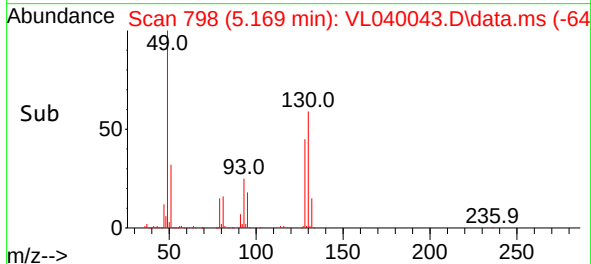
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL



Tgt Ion: 49 Resp: 105563
Ion Ratio Lower Upper
49 100
128 46.9 22.4 67.3
130 60.4 28.9 86.8

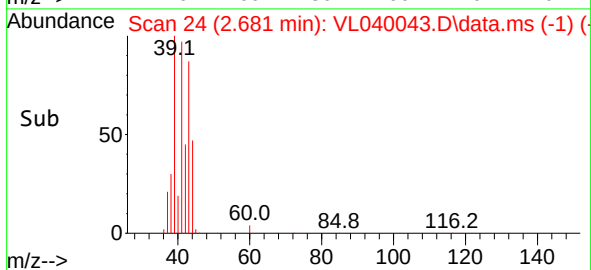
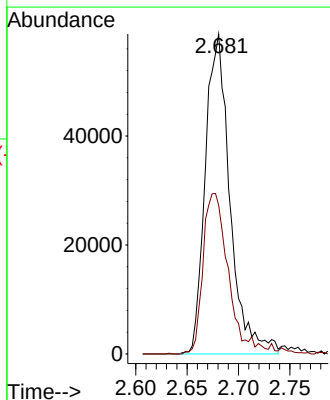
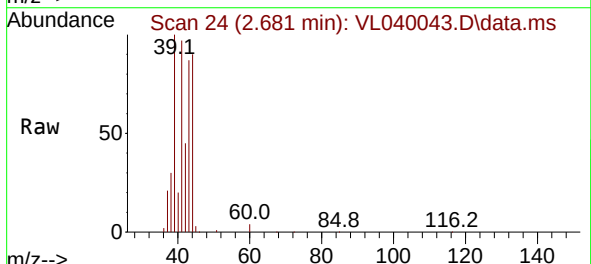
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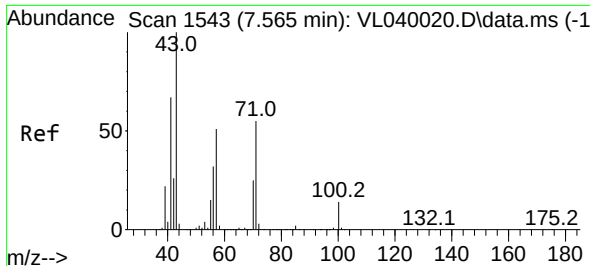
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#9
Propene
Concen: 1.485 ppbv m
RT: 2.681 min Scan# 24
Delta R.T. 0.006 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

Tgt Ion: 41 Resp: 98153
Ion Ratio Lower Upper
41 100
42 48.2 54.8 82.2#





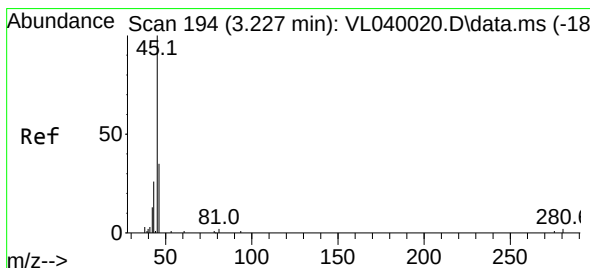
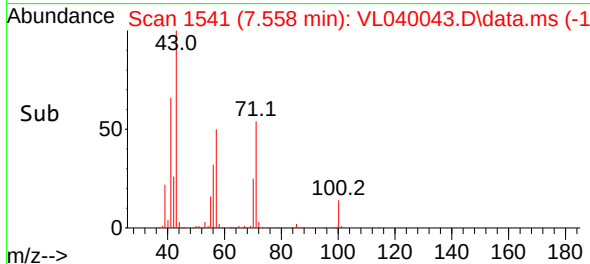
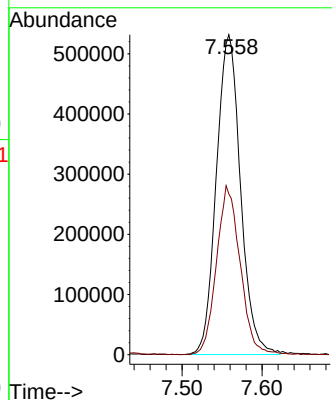
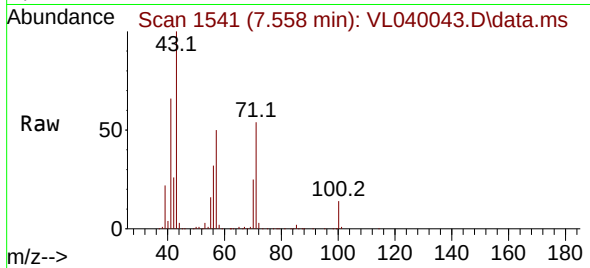
#10
Heptane
Concen: 6.914 ppbv
RT: 7.558 min Scan# 11
Delta R.T. -0.006 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tgt Ion: 43 Resp: 111536
Ion Ratio Lower Upper
43 100
57 51.7 41.2 61.8

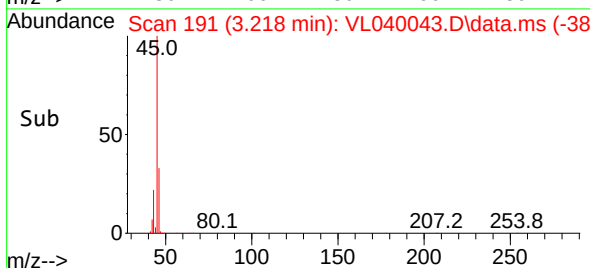
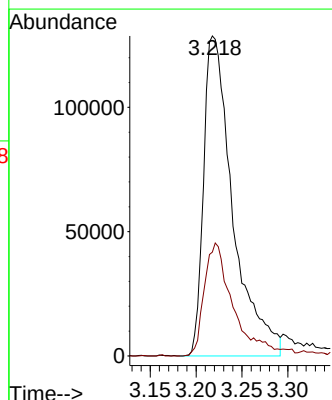
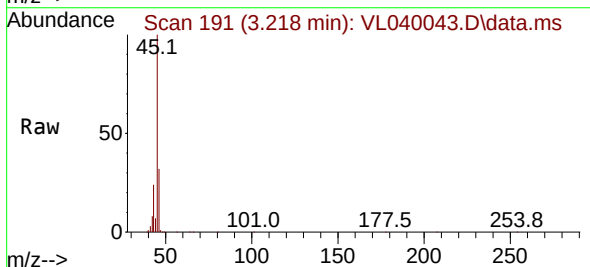
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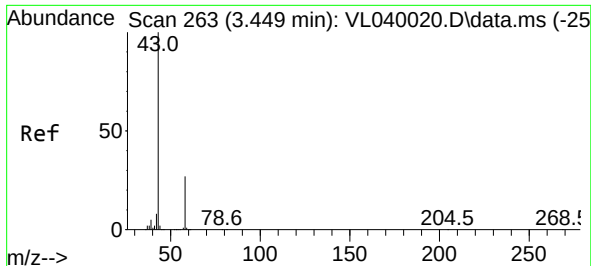
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#13
Ethanol
Concen: 45.942 ppbv
RT: 3.218 min Scan# 191
Delta R.T. -0.010 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

Tgt Ion: 45 Resp: 285805
Ion Ratio Lower Upper
45 100
46 37.1 13.7 54.7





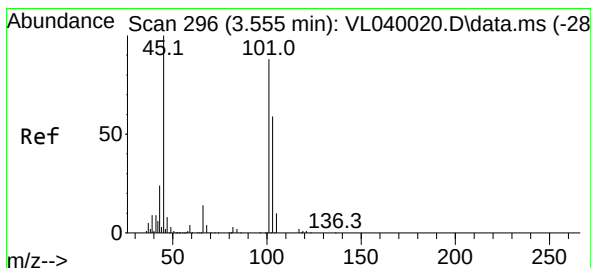
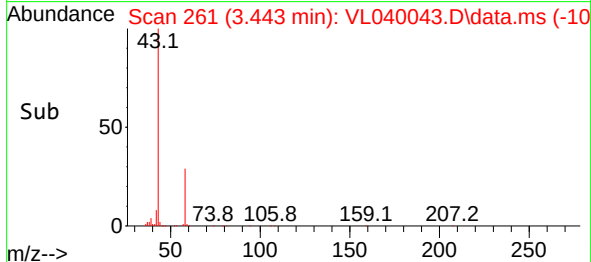
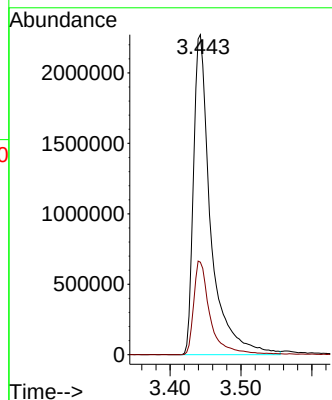
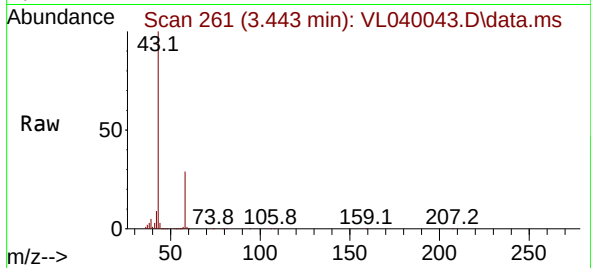
#15
Acetone
Concen: 23.453 ppbv
RT: 3.443 min Scan# 20
Delta R.T. -0.006 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tgt Ion: 43 Resp: 3829950
Ion Ratio Lower Upper
43 100
58 28.5 21.8 32.8

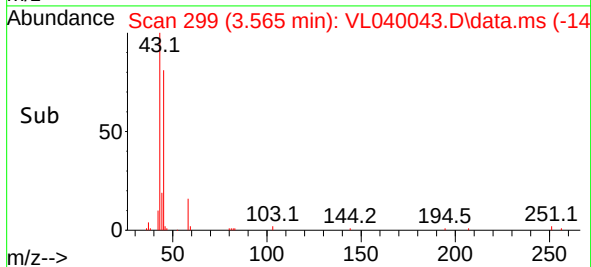
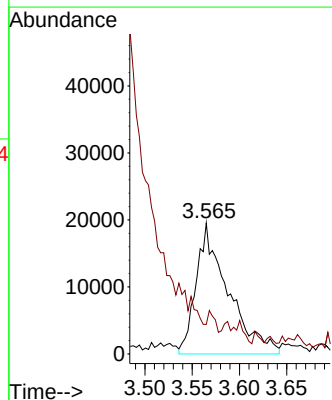
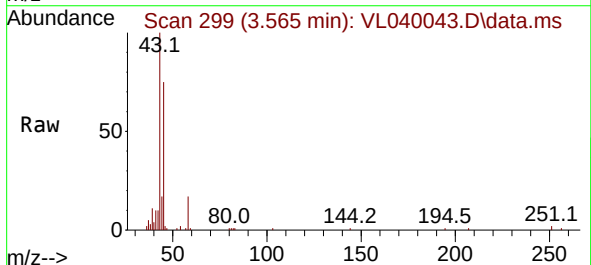
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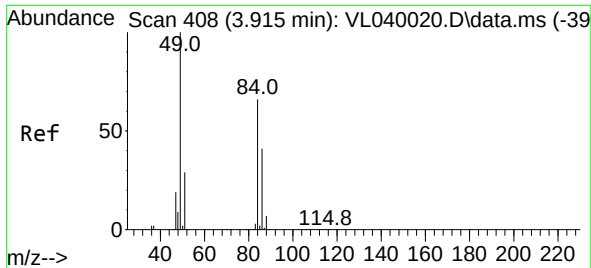
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#19
Isopropyl Alcohol
Concen: 0.570 ppbv m
RT: 3.565 min Scan# 299
Delta R.T. 0.010 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

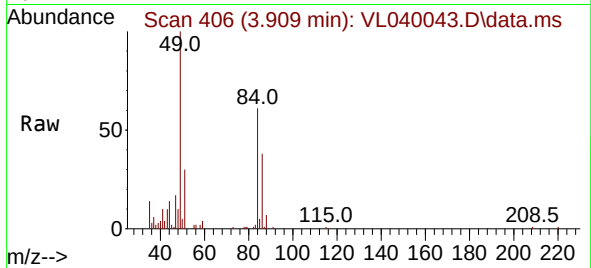
Tgt Ion: 45 Resp: 45879
Ion Ratio Lower Upper
45 100
58 0.0 1.7 2.5#





#20
Methylene Chloride
Concen: 0.385 ppbv
RT: 3.909 min Scan# 408
Delta R.T. -0.006 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

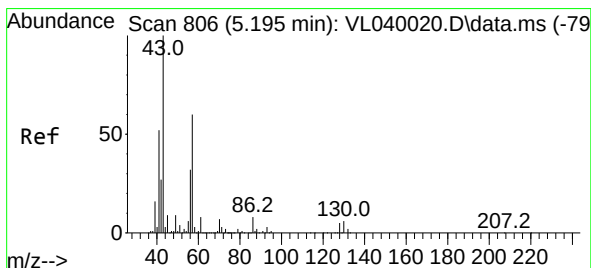
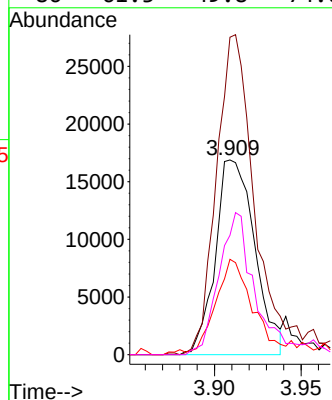
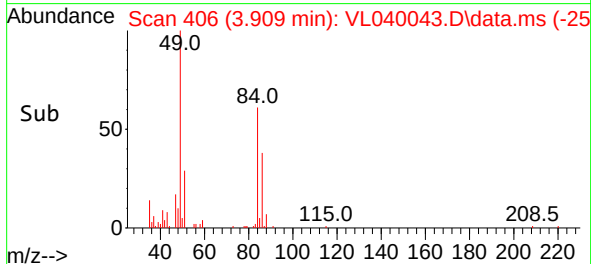
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL



Tgt Ion: 84 Resp: 26720
Ion Ratio Lower Upper
84 100
49 163.0 120.5 180.7
51 46.4 35.2 52.8
86 61.3 49.8 74.6

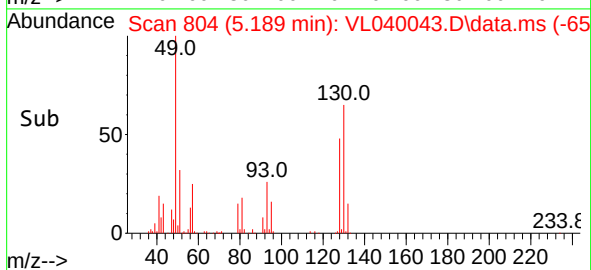
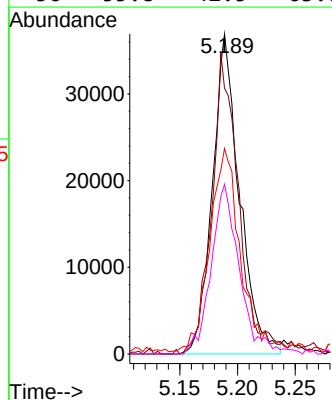
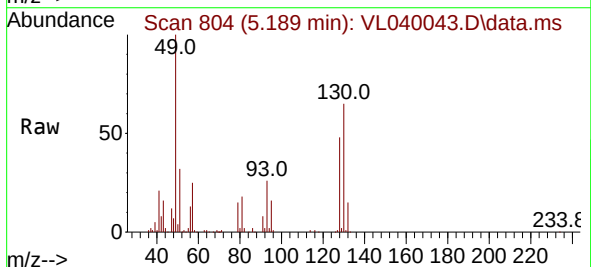
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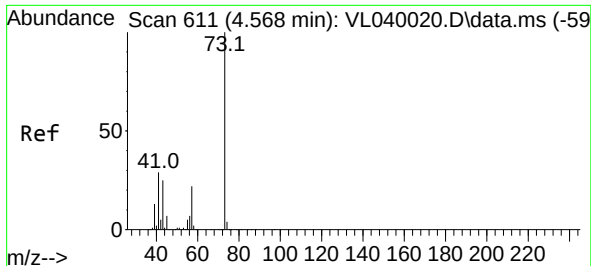
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#26
Hexane
Concen: 0.506 ppbv
RT: 5.189 min Scan# 804
Delta R.T. -0.006 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

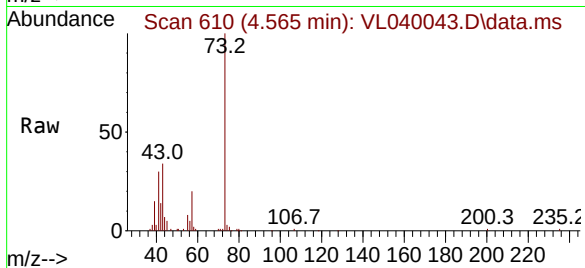
Tgt Ion: 57 Resp: 60153
Ion Ratio Lower Upper
57 100
41 97.0 72.1 108.1
43 72.1 192.1 288.1#
56 55.8 42.5 63.7





#28
Methyl tert-Butyl Ether
Concen: 0.470 ppbv
RT: 4.565 min Scan# 611
Delta R.T. -0.003 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

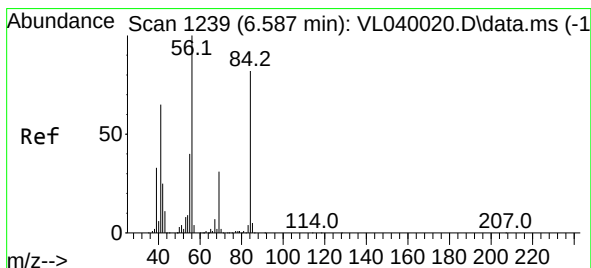
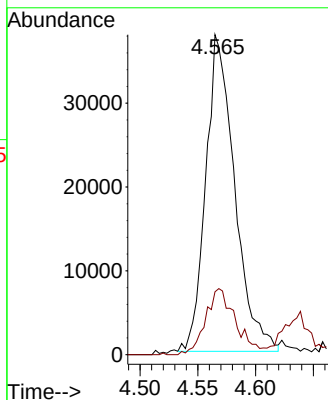
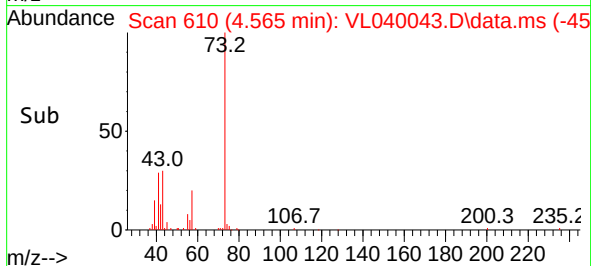
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL



Tgt Ion: 73 Resp: 65790
Ion Ratio Lower Upper
73 100
57 21.7 18.6 28.0

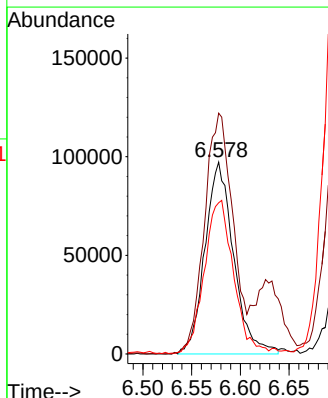
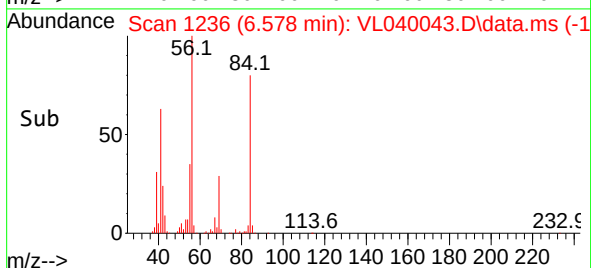
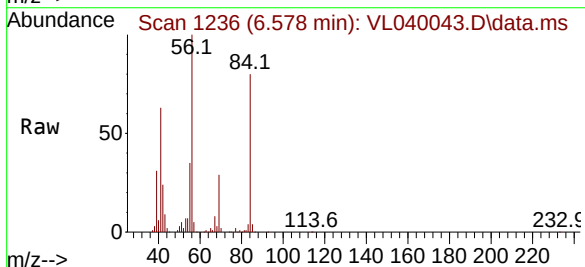
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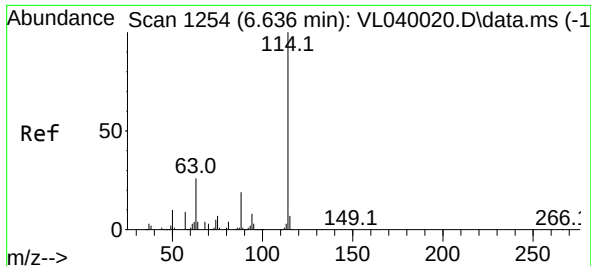
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#30
Cyclohexane
Concen: 1.892 ppbv
RT: 6.578 min Scan# 1236
Delta R.T. -0.010 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

Tgt Ion: 84 Resp: 199153
Ion Ratio Lower Upper
84 100
56 127.8 110.2 165.4
41 81.8 67.8 101.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.629 min Scan# 1165

Delta R.T. -0.006 min

Lab File: VL040043.D

Acq: 20 Dec 2022 00:45

Instrument :

MSVOA_L

ClientSampleId :

SS-2DL

Tgt Ion:114 Resp: 2975054

Ion Ratio Lower Upper

114 100

63 24.8 20.2 30.2

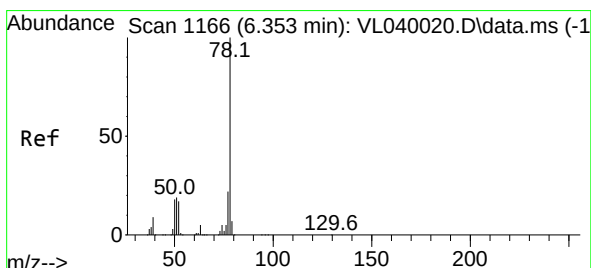
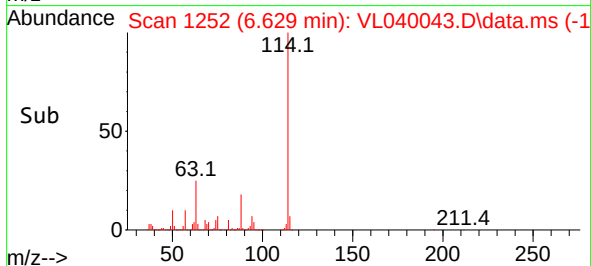
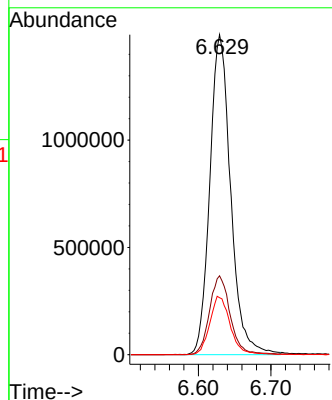
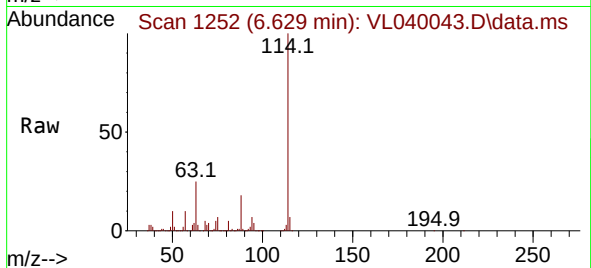
88 18.0 14.6 21.8

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 12/20/2022

Supervised By :Mahesh Dadoda 12/20/2022



#36

Benzene

Concen: 0.286 ppbv m

RT: 6.349 min Scan# 1165

Delta R.T. -0.003 min

Lab File: VL040043.D

Acq: 20 Dec 2022 00:45

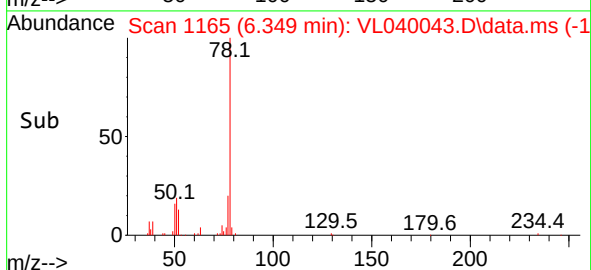
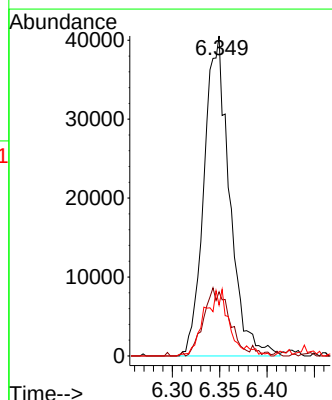
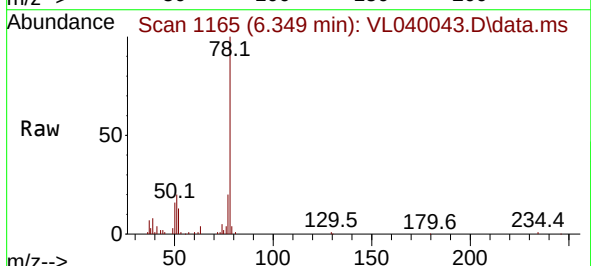
Tgt Ion: 78 Resp: 75947

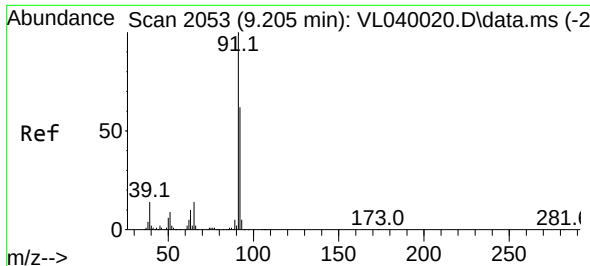
Ion Ratio Lower Upper

78 100

77 20.1 17.5 26.3

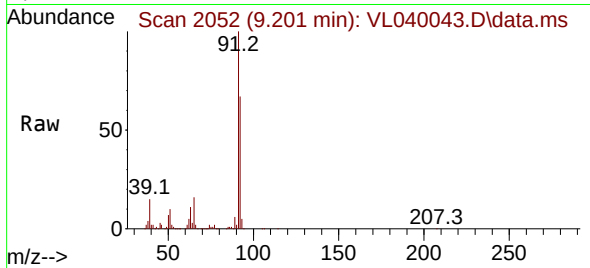
50 15.9 14.2 21.2





#53
Toluene
Concen: 30.792 ppbv
RT: 9.201 min Scan# 2053
Delta R.T. -0.003 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

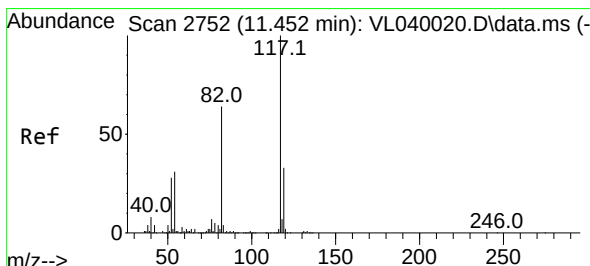
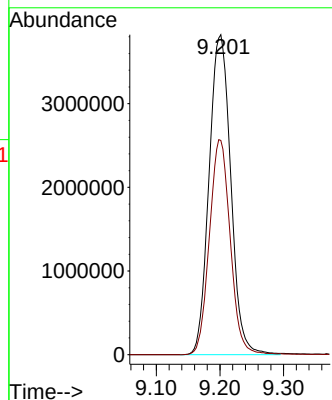
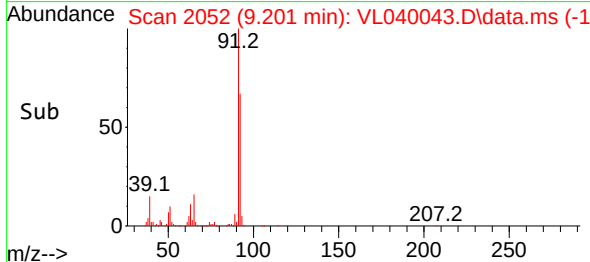
Instrument :
MSVOA_L
ClientSampleId :
SS-2DL



Tgt Ion: 91 Resp: 905843
Ion Ratio Lower Upper
91 100
92 64.9 48.7 73.1

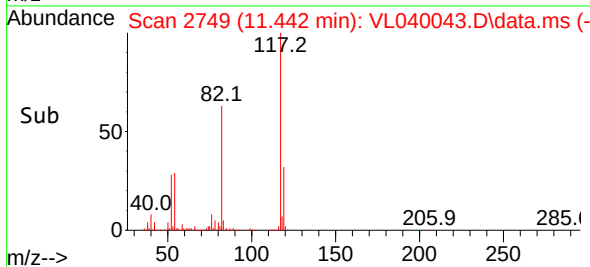
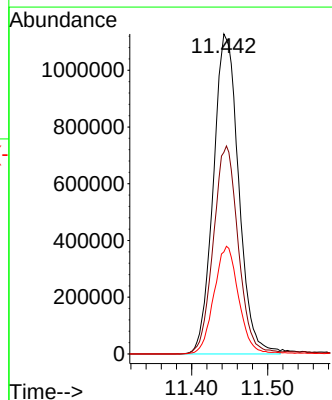
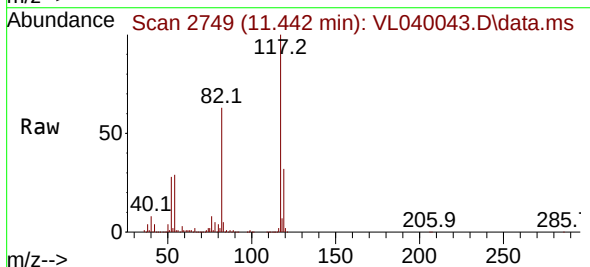
Manual Integrations
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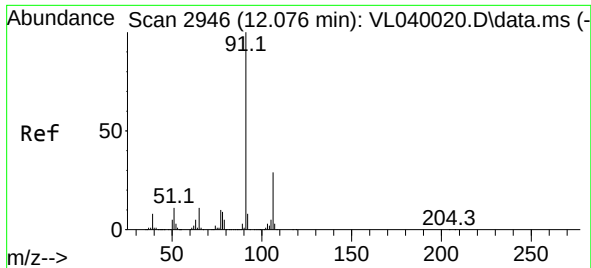
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.442 min Scan# 2749
Delta R.T. -0.010 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

Tgt Ion:117 Resp: 2610524
Ion Ratio Lower Upper
117 100
82 65.3 51.2 76.8
119 33.3 23.2 34.8





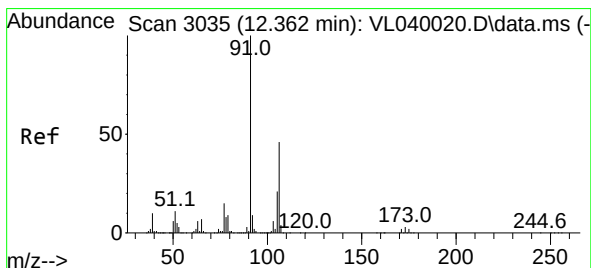
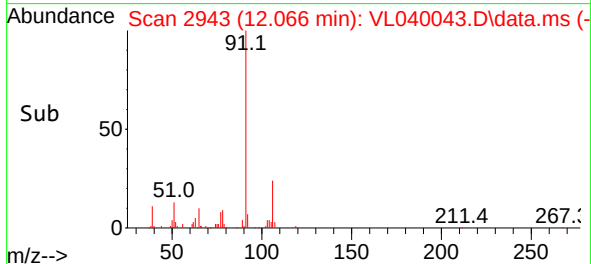
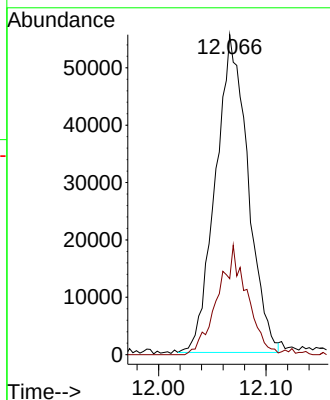
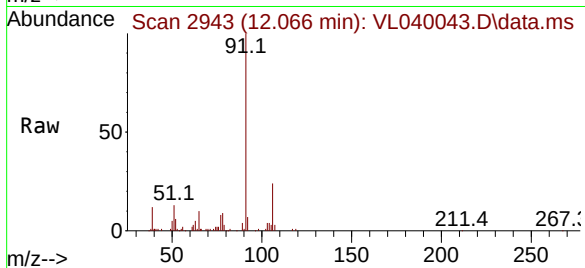
#58
Ethyl Benzene
Concen: 0.314 ppbv
RT: 12.066 min Scan# 2946
Delta R.T. -0.010 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tgt Ion: 91 Resp: 116319
Ion Ratio Lower Upper
91 100
106 23.9 23.5 35.3

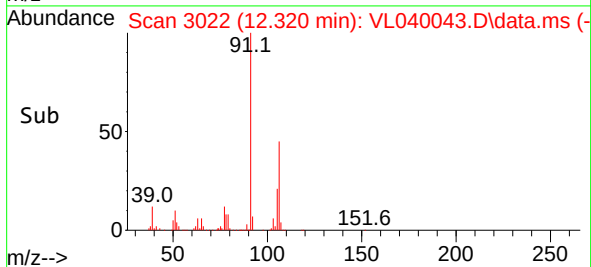
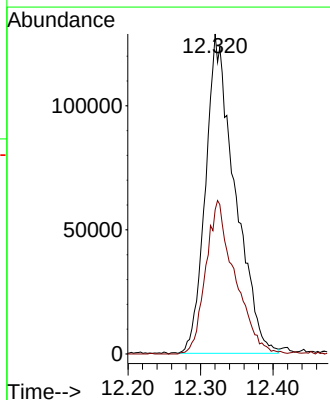
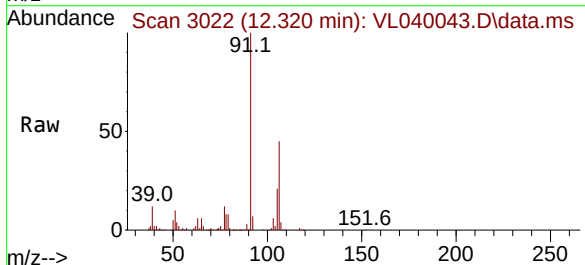
Manual Integrations
APPROVED

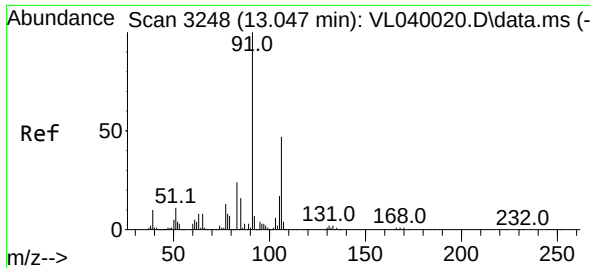
Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#59
m/p-Xylene
Concen: 1.124 ppbv
RT: 12.320 min Scan# 3022
Delta R.T. -0.042 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

Tgt Ion: 91 Resp: 363087
Ion Ratio Lower Upper
91 100
106 47.9 35.5 53.3





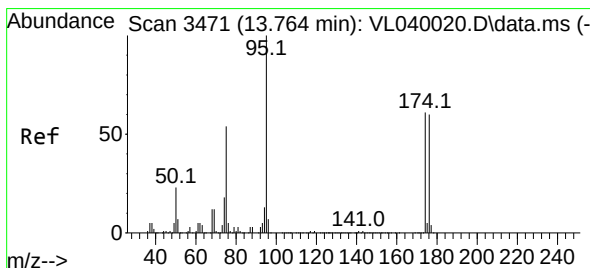
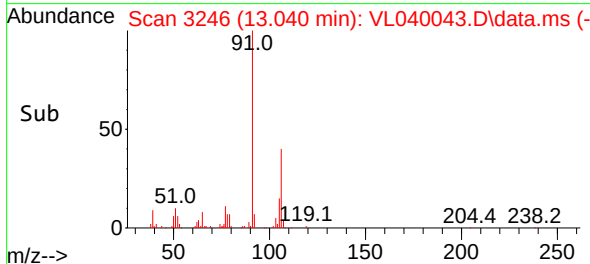
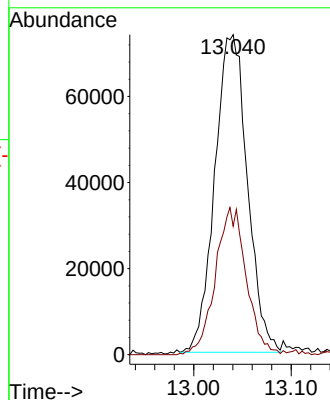
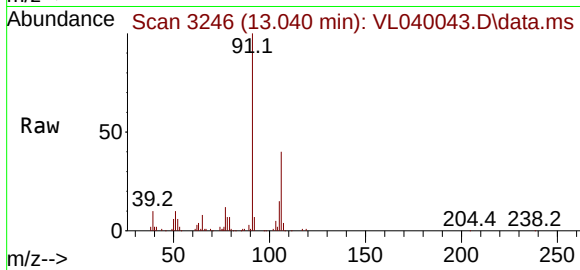
#60
o-Xylene
Concen: 0.554 ppbv
RT: 13.040 min Scan# 31
Delta R.T. -0.006 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

Instrument :
MSVOA_L
ClientSampleId :
SS-2DL

Tgt Ion: 91 Resp: 171499
Ion Ratio Lower Upper
91 100
106 44.5 22.4 67.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 12/20/2022
Supervised By :Mahesh Dadoda 12/20/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 9.850 ppbv
RT: 13.757 min Scan# 3469
Delta R.T. -0.006 min
Lab File: VL040043.D
Acq: 20 Dec 2022 00:45

Tgt Ion: 95 Resp: 1964230
Ion Ratio Lower Upper
95 100
174 64.1 48.6 73.0
175 4.6 3.4 5.2

