

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
 Data File : VL040716.D
 Acq On : 19 Sep 2023 2:25
 Operator : SY/MD
 Sample : 04495-02DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AMBIENTDL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023
 Supervised By :Mahesh Dadoda 09/19/2023

Quant Time: Sep 19 05:25:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 18 2023
 QLast Update : Tue Sep 19 05:12:43 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.202	49	1350744	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	3830617	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.471	117	3256803	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	2399912	9.538	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.400%
Target Compounds						
					Qvalue	
3) Chlorodifluoromethane	2.687	51	56520	0.257	ppbv #	90
9) Propene	2.713	41	49714	0.784	ppbv #	59
13) Ethanol	3.253	45	140913	7.510	ppbv	91
15) Acetone	3.478	43	1039121	5.832	ppbv	96
19) Isopropyl Alcohol	3.597	45	148002	1.379	ppbv #	88
20) Methylene Chloride	3.941	84	30416	0.317	ppbv	95
26) Hexane	5.221	57	52659	0.388	ppbv #	49
34) 2-Butanone	4.803	43	45753m	0.237	ppbv	
58) Ethyl Benzene	12.098	91	63050	0.170	ppbv	98
59) m/p-Xylene	12.352	91	277487	0.796	ppbv	96
60) o-Xylene	13.063	91	104350	0.314	ppbv	94
72) 4-Ethyltoluene	15.198	105	69396m	0.186	ppbv	
73) 1,3,5-Trimethylbenzene	15.362	105	65371m	0.195	ppbv	
74) 1,2,4-Trimethylbenzene	16.114	105	242377	0.592	ppbv #	63

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

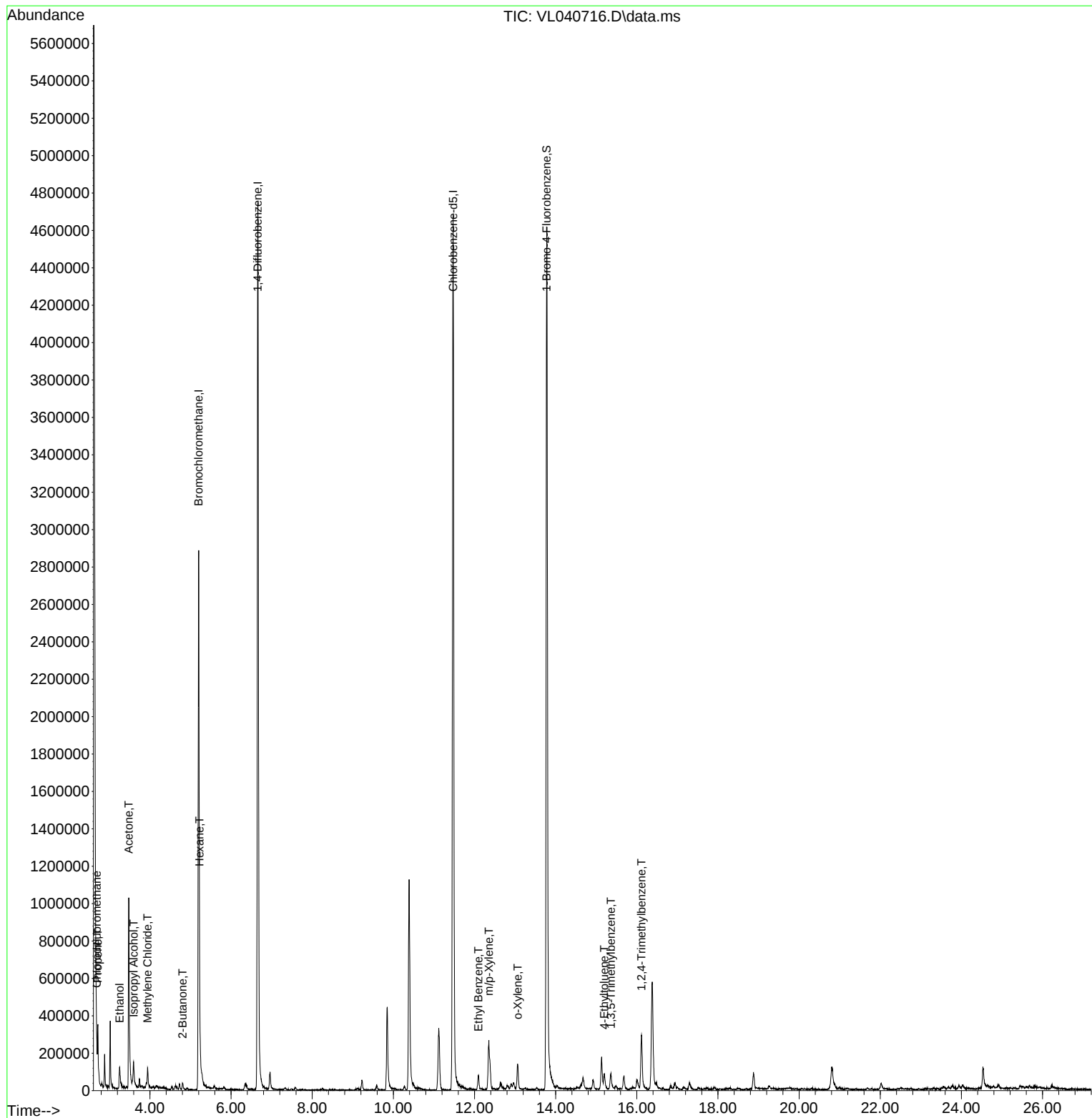
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL091823\
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Quant Time: Sep 19 05:25:59 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091423AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Sep 19 05:12:43 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

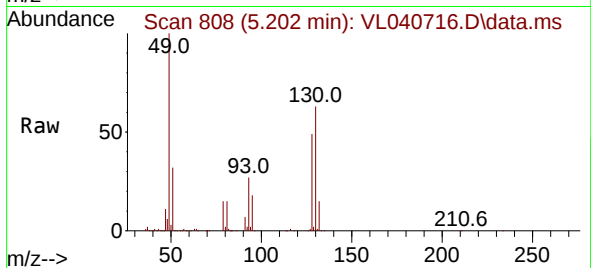
Reviewed By : Semsettin Yesilyurt 09/19/2023
Supervised By : Mahesh Dadoda 09/19/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.202 min Scan# 80
Delta R.T. 0.004 min
Lab File: VL040716.D
Acq: 19 Sep 2023 2:25

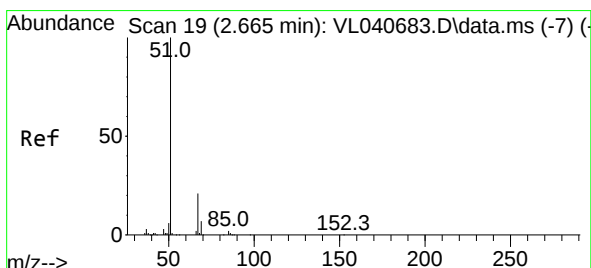
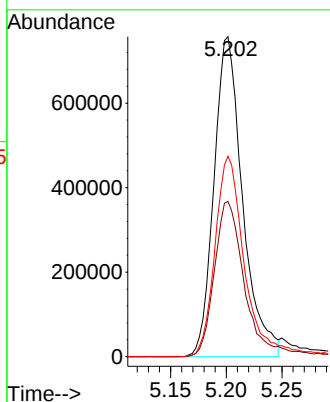
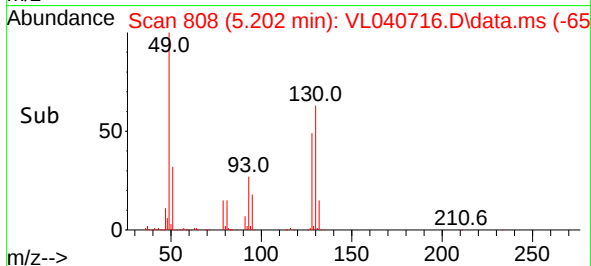
Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDL



Tgt Ion: 49 Resp: 1350744
Ion Ratio Lower Upper
49 100
128 52.9 25.4 76.0
130 66.9 32.3 96.8

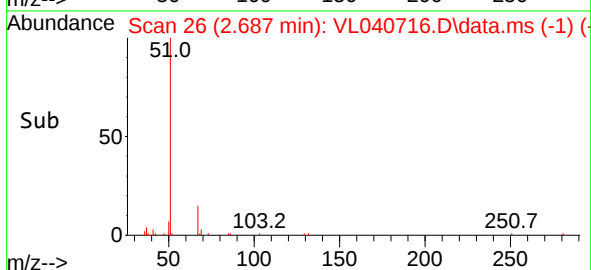
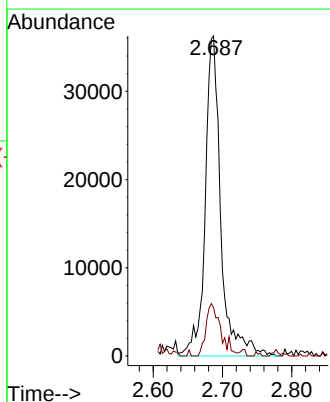
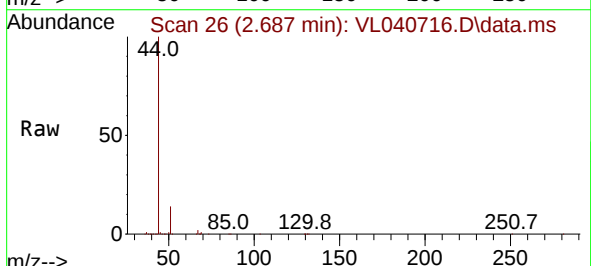
Manual Integrations
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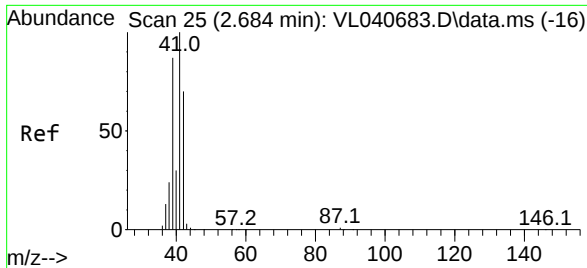
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#3
Chlorodifluoromethane
Concen: 0.257 ppbv
RT: 2.687 min Scan# 26
Delta R.T. 0.010 min
Lab File: VL040716.D
Acq: 19 Sep 2023 2:25

Tgt Ion: 51 Resp: 56520
Ion Ratio Lower Upper
51 100
67 16.4 16.7 25.1#





#9

Propene

Concen: 0.784 ppbv

RT: 2.713 min Scan# 34

Delta R.T. 0.016 min

Lab File: VL040716.D

Acq: 19 Sep 2023 2:25

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDL

Tgt Ion: 41 Resp: 49714

Ion Ratio Lower Upper

41 100

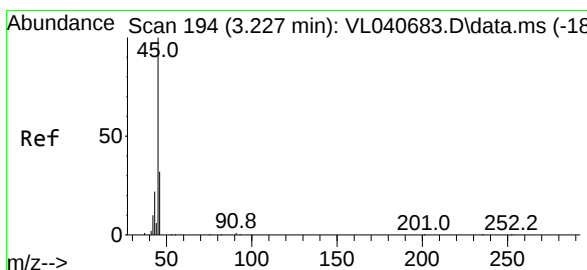
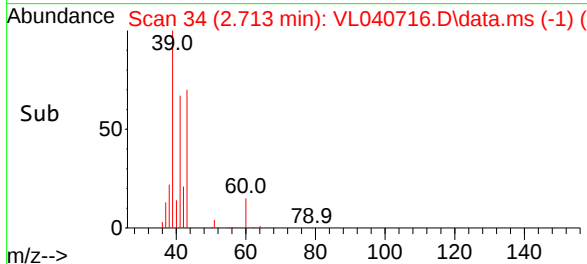
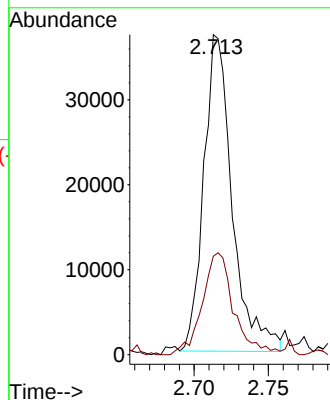
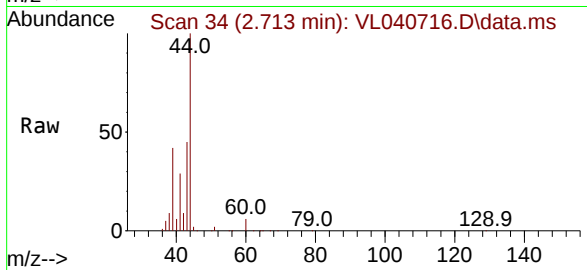
42 37.3 56.7 85.1

Manual Integrations

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Supervised By :Mahesh Dadoda 09/19/2023



#13

Ethanol

Concen: 7.510 ppbv

RT: 3.253 min Scan# 202

Delta R.T. 0.010 min

Lab File: VL040716.D

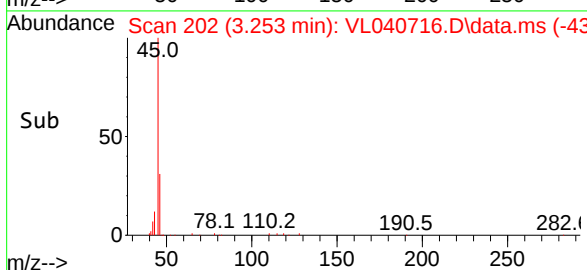
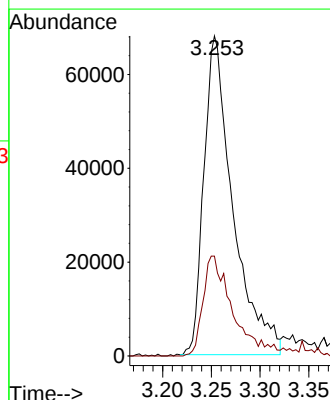
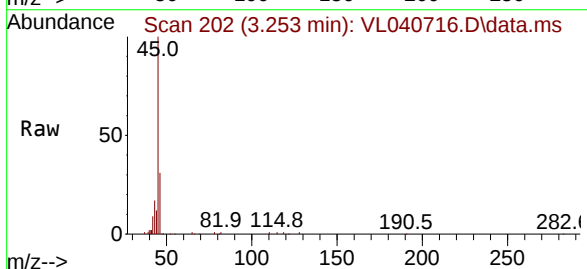
Acq: 19 Sep 2023 2:25

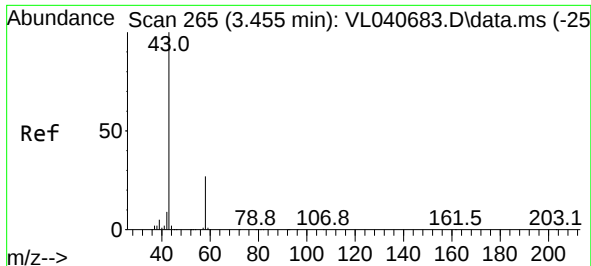
Tgt Ion: 45 Resp: 140913

Ion Ratio Lower Upper

45 100

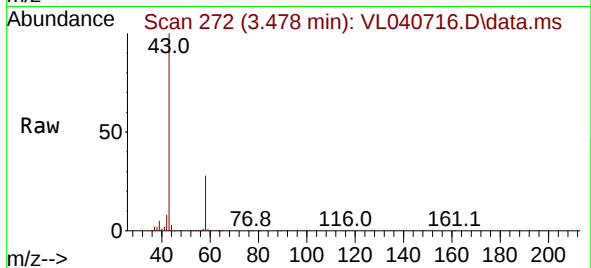
46 32.9 15.2 61.0





#15
Acetone
Concen: 5.832 ppbv
RT: 3.478 min Scan# 21
Delta R.T. 0.007 min
Lab File: VL040716.D
Acq: 19 Sep 2023 2:25

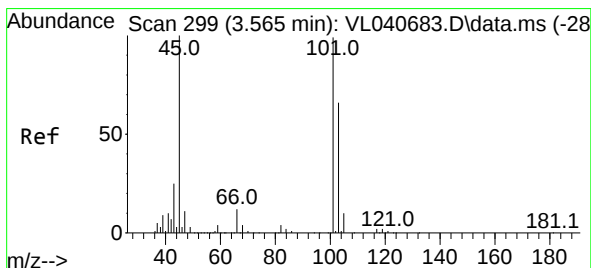
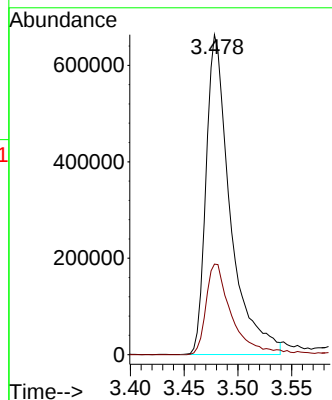
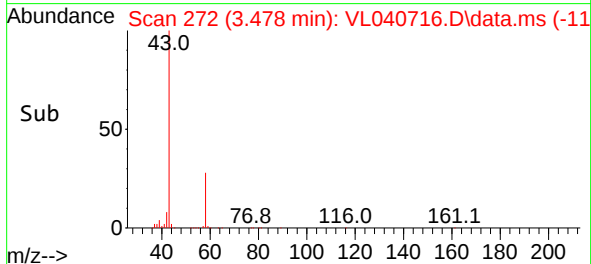
Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDL



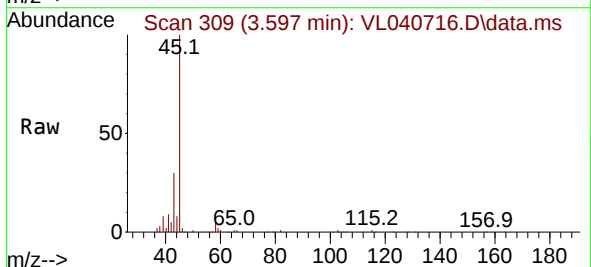
Tgt Ion: 43 Resp: 103912
Ion Ratio Lower Upper
43 100
58 30.6 22.6 34.0

Manual Integrations
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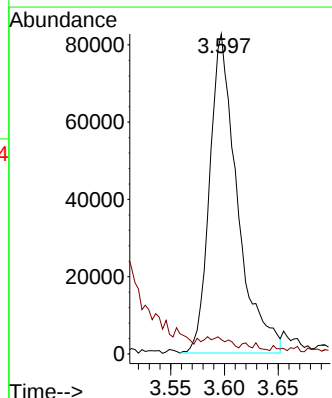
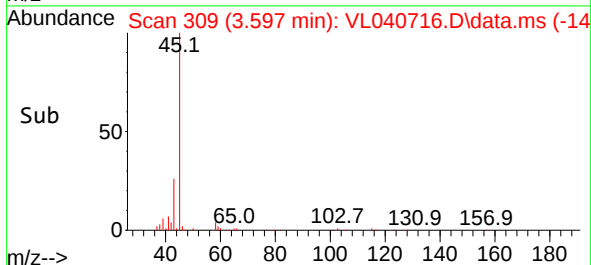
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

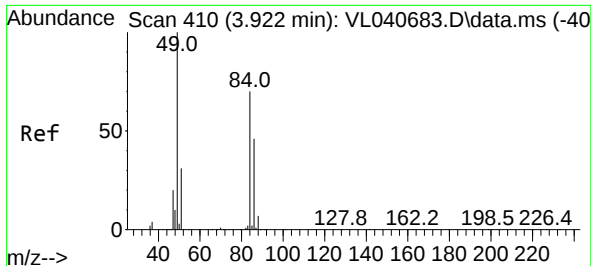


#19
Isopropyl Alcohol
Concen: 1.379 ppbv
RT: 3.597 min Scan# 309
Delta R.T. 0.019 min
Lab File: VL040716.D
Acq: 19 Sep 2023 2:25



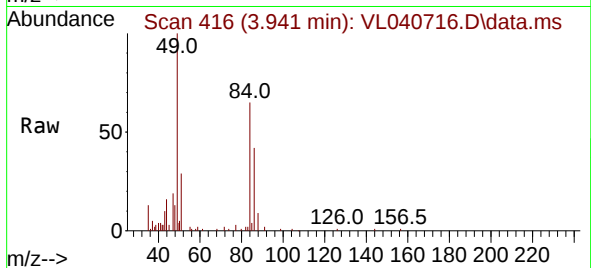
Tgt Ion: 45 Resp: 148002
Ion Ratio Lower Upper
45 100
58 6.5 1.9 2.9#





#20
Methylene Chloride
Concen: 0.317 ppbv
RT: 3.941 min Scan# 410
Delta R.T. 0.003 min
Lab File: VL040716.D
Acq: 19 Sep 2023 2:25

Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDL

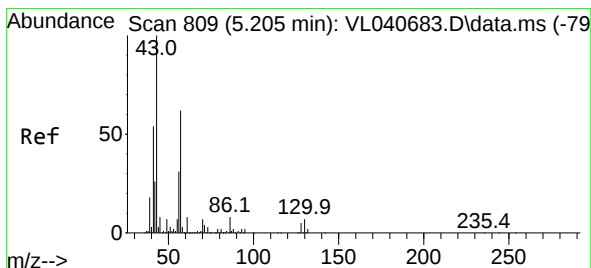
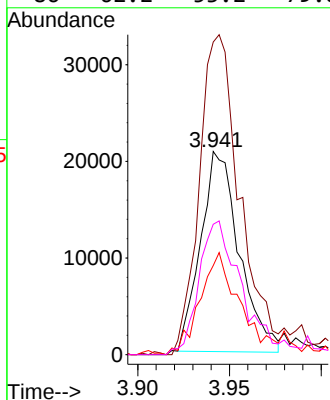
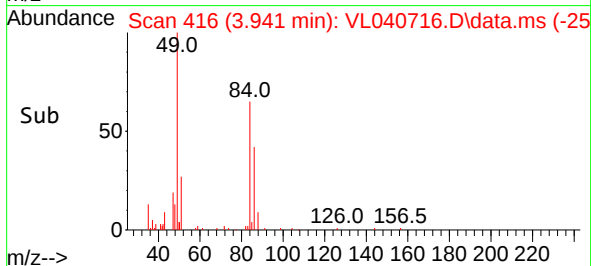


Tgt Ion: 84 Resp: 30410

Ion	Ratio	Lower	Upper
84	100		
49	149.4	114.4	171.6
51	42.5	35.5	53.3
86	62.2	53.2	79.8

Manual Integrations
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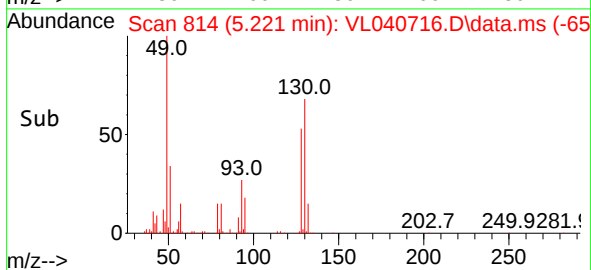
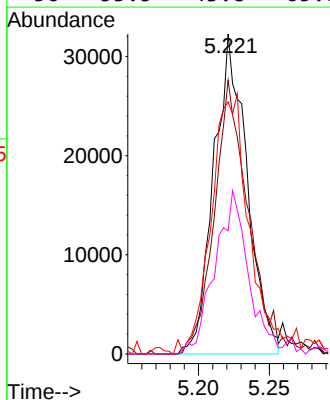
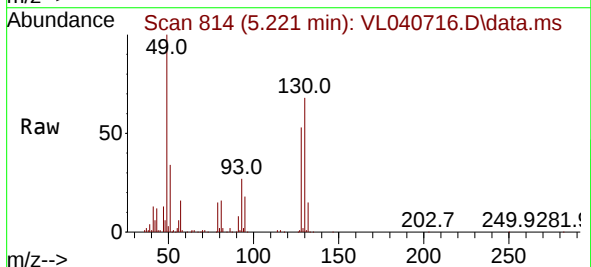
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

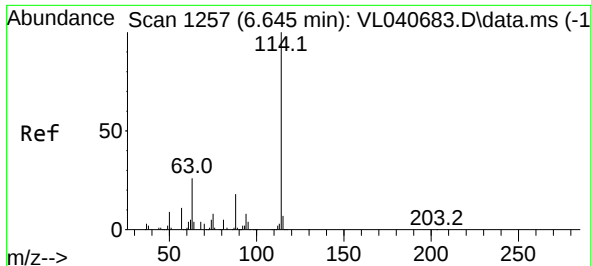


#26
Hexane
Concen: 0.388 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.000 min
Lab File: VL040716.D
Acq: 19 Sep 2023 2:25

Tgt Ion: 57 Resp: 52659

Ion	Ratio	Lower	Upper
57	100		
41	90.1	75.2	112.8
43	95.1	185.6	278.4#
56	53.5	43.8	65.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.658 min Scan# 1

Delta R.T. -0.003 min

Lab File: VL040716.D

Acq: 19 Sep 2023 2:25

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDL

Tgt Ion:114 Resp: 383061

Ion Ratio Lower Upper

114 100

63 24.2 21.1 31.7

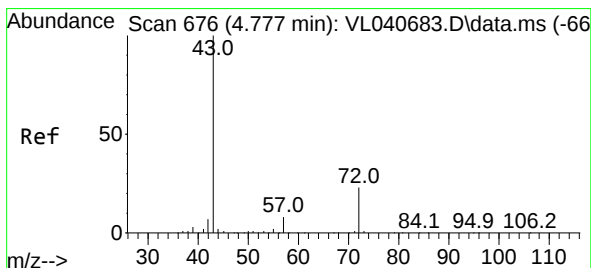
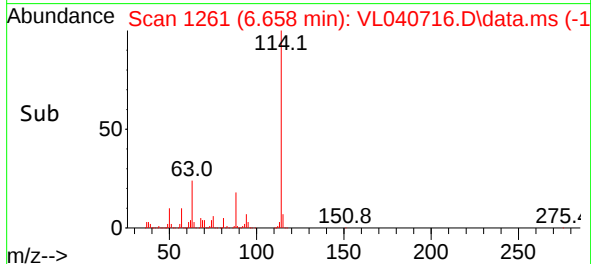
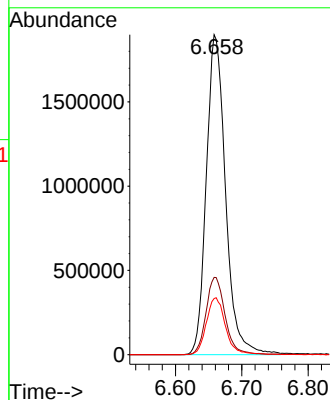
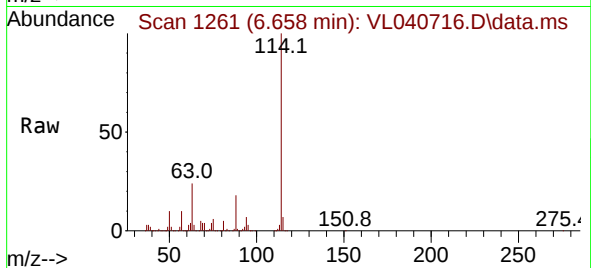
88 17.8 14.5 21.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023



#34

2-Butanone

Concen: 0.237 ppbv m

RT: 4.803 min Scan# 684

Delta R.T. 0.013 min

Lab File: VL040716.D

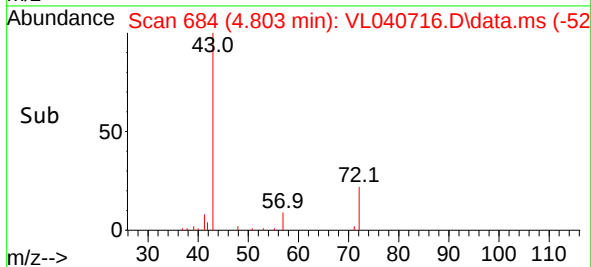
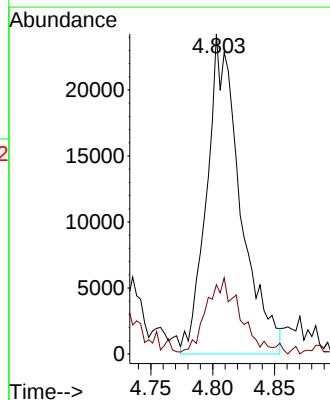
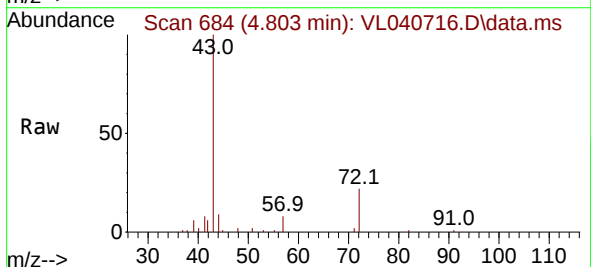
Acq: 19 Sep 2023 2:25

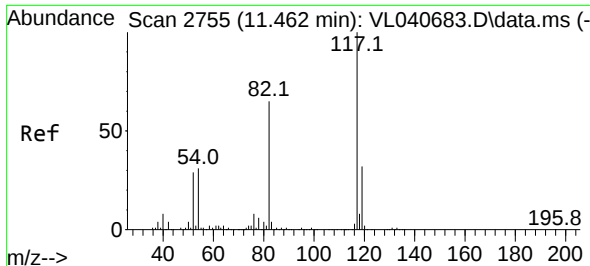
Tgt Ion: 43 Resp: 45753

Ion Ratio Lower Upper

43 100

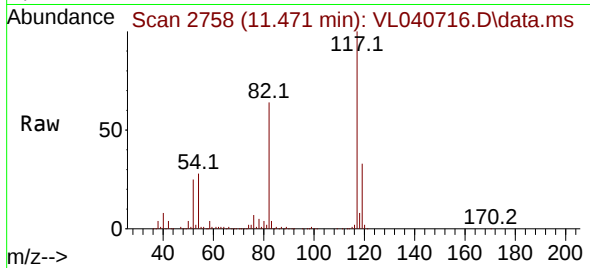
72 0.0 18.6 27.8#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.471 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL040716.D
Acq: 19 Sep 2023 2:25

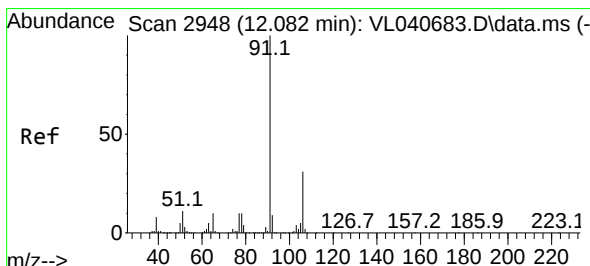
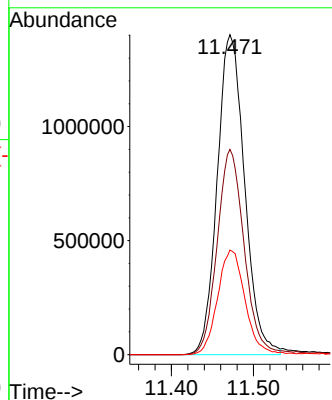
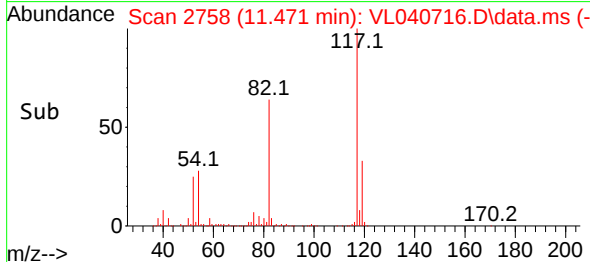
Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDL



Tgt Ion:117 Resp: 325680
Ion Ratio Lower Upper
117 100
82 64.6 51.4 77.0
119 33.2 24.7 37.1

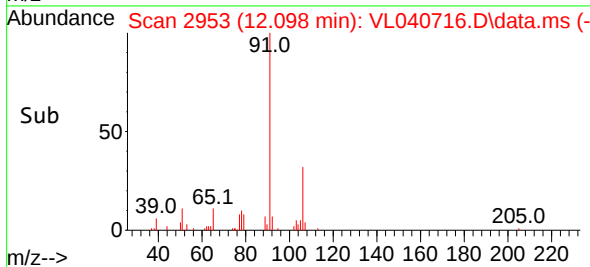
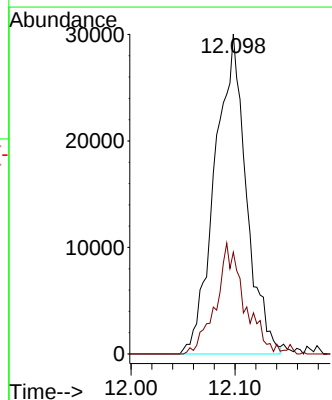
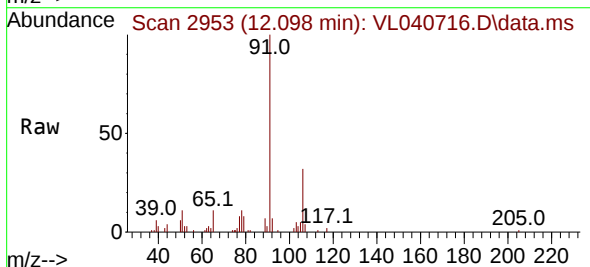
Manual Integrations
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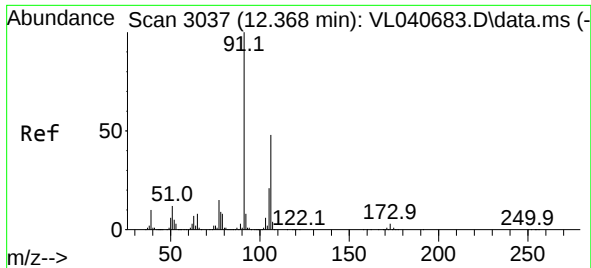
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#58
Ethyl Benzene
Concen: 0.170 ppbv
RT: 12.098 min Scan# 2953
Delta R.T. -0.003 min
Lab File: VL040716.D
Acq: 19 Sep 2023 2:25

Tgt Ion: 91 Resp: 63050
Ion Ratio Lower Upper
91 100
106 31.8 24.7 37.1





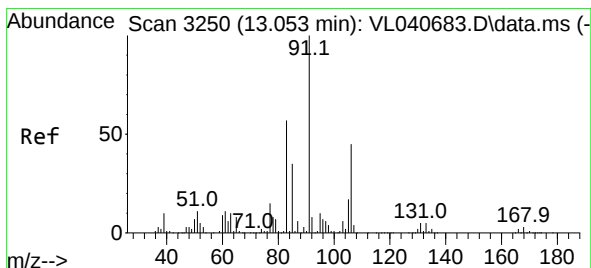
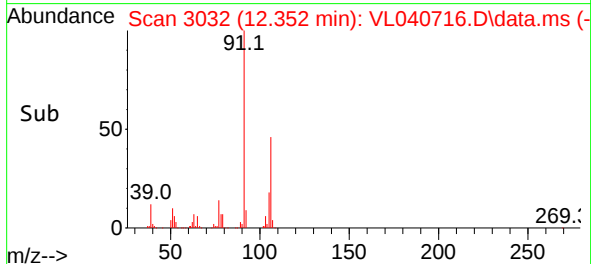
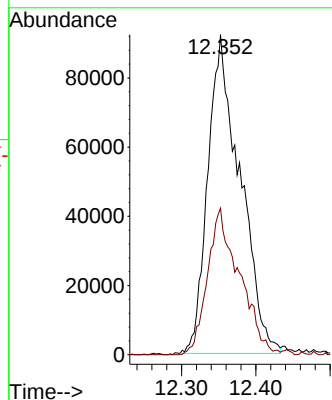
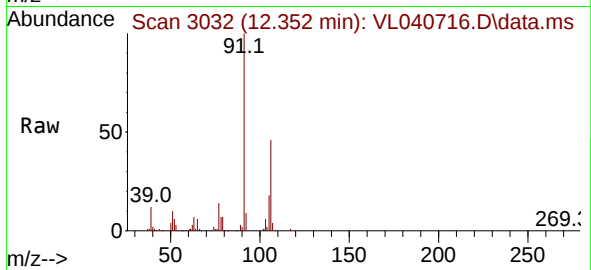
#59
m/p-Xylene
Concen: 0.796 ppbv
RT: 12.352 min Scan# 3032
Delta R.T. -0.029 min
Lab File: VL040716.D
Acq: 19 Sep 2023 2:25

Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDL

Tgt Ion: 91 Resp: 27748
Ion Ratio Lower Upper
91 100
106 46.2 34.8 52.2

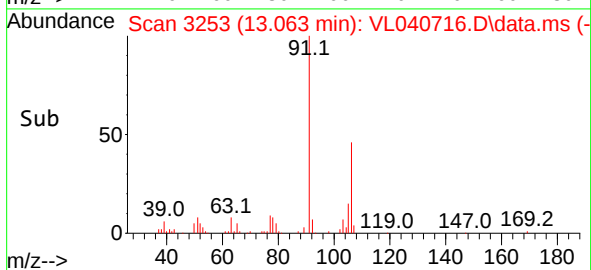
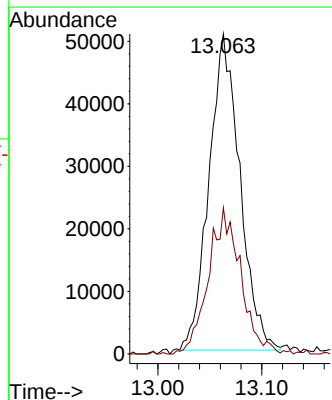
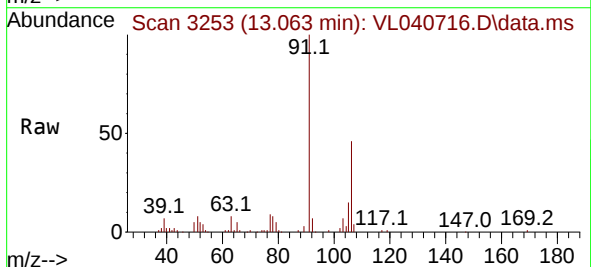
Manual Integrations
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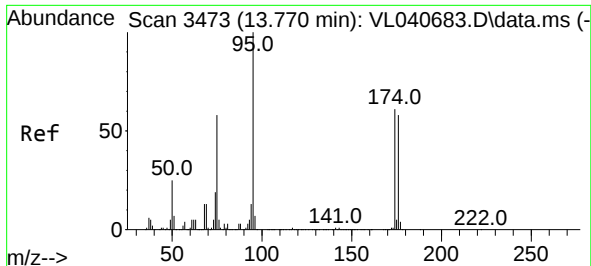
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023



#60
o-Xylene
Concen: 0.314 ppbv
RT: 13.063 min Scan# 3253
Delta R.T. -0.006 min
Lab File: VL040716.D
Acq: 19 Sep 2023 2:25

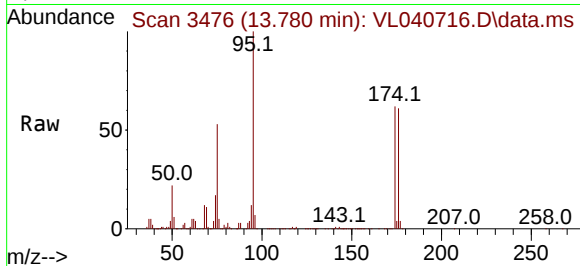
Tgt Ion: 91 Resp: 104350
Ion Ratio Lower Upper
91 100
106 48.5 22.3 66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 9.538 ppbv
RT: 13.780 min Scan# 3476
Delta R.T. -0.006 min
Lab File: VL040716.D
Acq: 19 Sep 2023 2:25

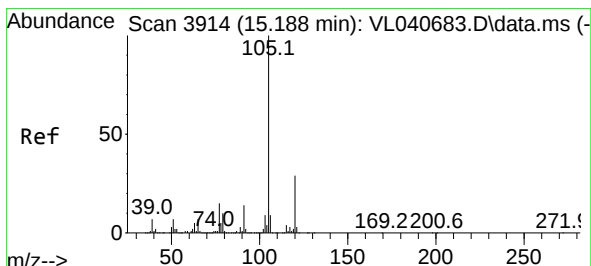
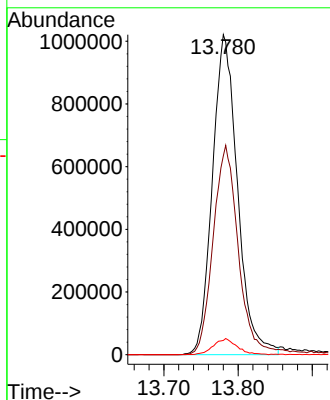
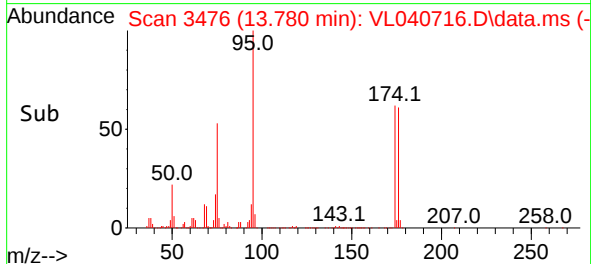
Instrument :
MSVOA_L
ClientSampleId :
AMBIENTDL



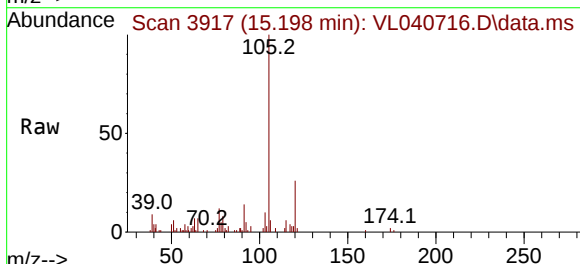
Tgt Ion: 95 Resp: 239991
Ion Ratio Lower Upper
95 100
174 67.4 48.9 73.3
175 4.8 3.5 5.3

Manual Integrations
APPROVED

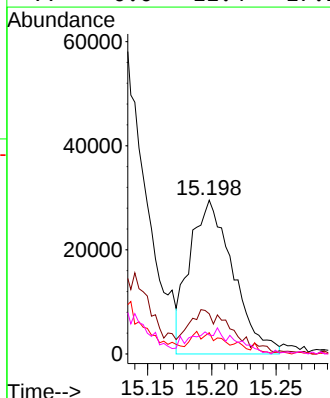
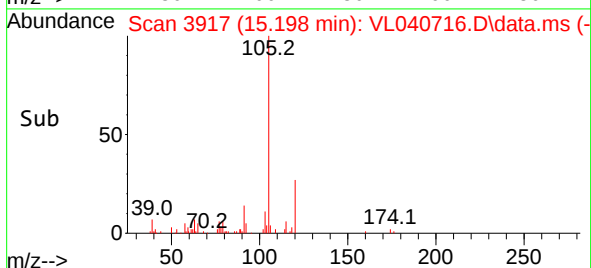
Reviewed By :Semsettin Yesilyurt 09/19/2023
Supervised By :Mahesh Dadoda 09/19/2023

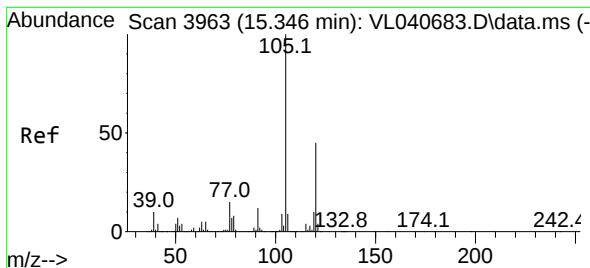


#72
4-Ethyltoluene
Concen: 0.186 ppbv m
RT: 15.198 min Scan# 3917
Delta R.T. -0.003 min
Lab File: VL040716.D
Acq: 19 Sep 2023 2:25



Tgt Ion:105 Resp: 69396
Ion Ratio Lower Upper
105 100
120 0.0 23.9 35.9#
91 0.0 11.0 16.4#
77 0.0 11.4 17.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.195 ppbv m

RT: 15.362 min Scan# 3963

Delta R.T. 0.000 min

Lab File: VL040716.D

Acq: 19 Sep 2023 2:25

Instrument :

MSVOA_L

ClientSampleId :

AMBIENTDL

Tgt Ion:105 Resp: 6537

Ion Ratio Lower Upper

105 100

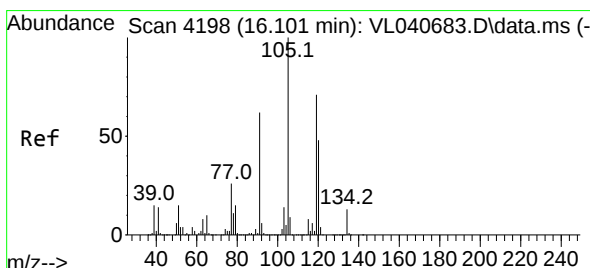
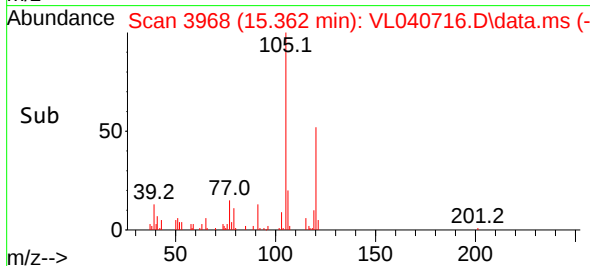
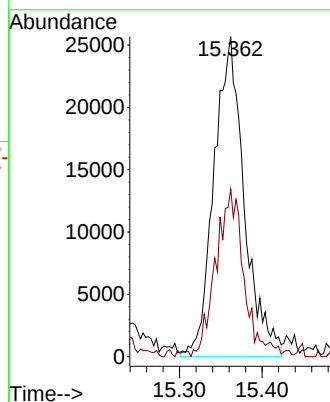
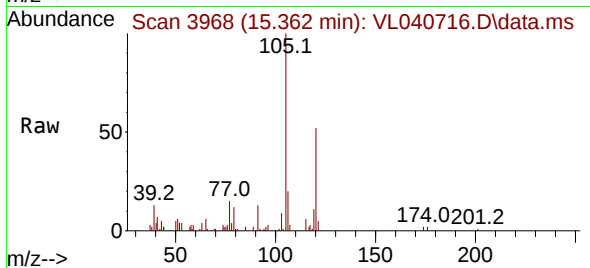
120 52.4 36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/19/2023

Supervised By :Mahesh Dadoda 09/19/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.592 ppbv

RT: 16.114 min Scan# 4202

Delta R.T. -0.003 min

Lab File: VL040716.D

Acq: 19 Sep 2023 2:25

Tgt Ion:105 Resp: 242377

Ion Ratio Lower Upper

105 100

120 42.5 38.6 57.8

91 10.7 50.0 75.0#

77 15.6 20.6 31.0#

