

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
 Data File : VL040145.D
 Acq On : 6 Feb 2023 14:25
 Operator : SY/MD
 Sample : 01438-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

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

Quant Time: Feb 07 05:55:23 2023

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

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

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

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.182	49	974634	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.645	114	2584546	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.462	117	2243267	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.777	95	1747162	9.371	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.700%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	2.716	85	21861	0.128	ppbv	95
4) Chloromethane	2.800	50	7257	0.100	ppbv	90
9) Propene	2.681	41	196760	4.051	ppbv	91
10) Heptane	7.574	43	34180	0.305	ppbv	92
11) Trichlorofluoromethane	3.555	101	53155m	0.312	ppbv	
13) Ethanol	3.224	45	96083m	21.493	ppbv	
15) Acetone	3.459	43	875350m	7.489	ppbv	
19) Isopropyl Alcohol	3.562	45	2836130	49.590	ppbv #	94
20) Methylene Chloride	3.925	84	31424	0.609	ppbv	97
26) Hexane	5.205	57	75529	0.838	ppbv #	37
27) Carbon Disulfide	4.118	76	23208m	0.199	ppbv	
29) Chloroform	5.266	83	17474m	0.121	ppbv	
30) Cyclohexane	6.600	84	11940m	0.167	ppbv	
34) 2-Butanone	4.780	43	51433	0.421	ppbv	92
36) Benzene	6.362	78	255394	1.335	ppbv	96
44) 2,2,4-Trimethylpentane	7.327	57	58180m	0.183	ppbv	
53) Toluene	9.214	91	322129	1.579	ppbv	99
58) Ethyl Benzene	12.085	91	74979	0.300	ppbv	93
59) m/p-Xylene	12.343	91	164884	0.733	ppbv	96
60) o-Xylene	13.056	91	55033	0.258	ppbv	97
72) 4-Ethyltoluene	15.201	105	24031m	0.101	ppbv	
74) 1,2,4-Trimethylbenzene	16.105	105	61738	0.261	ppbv #	70

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

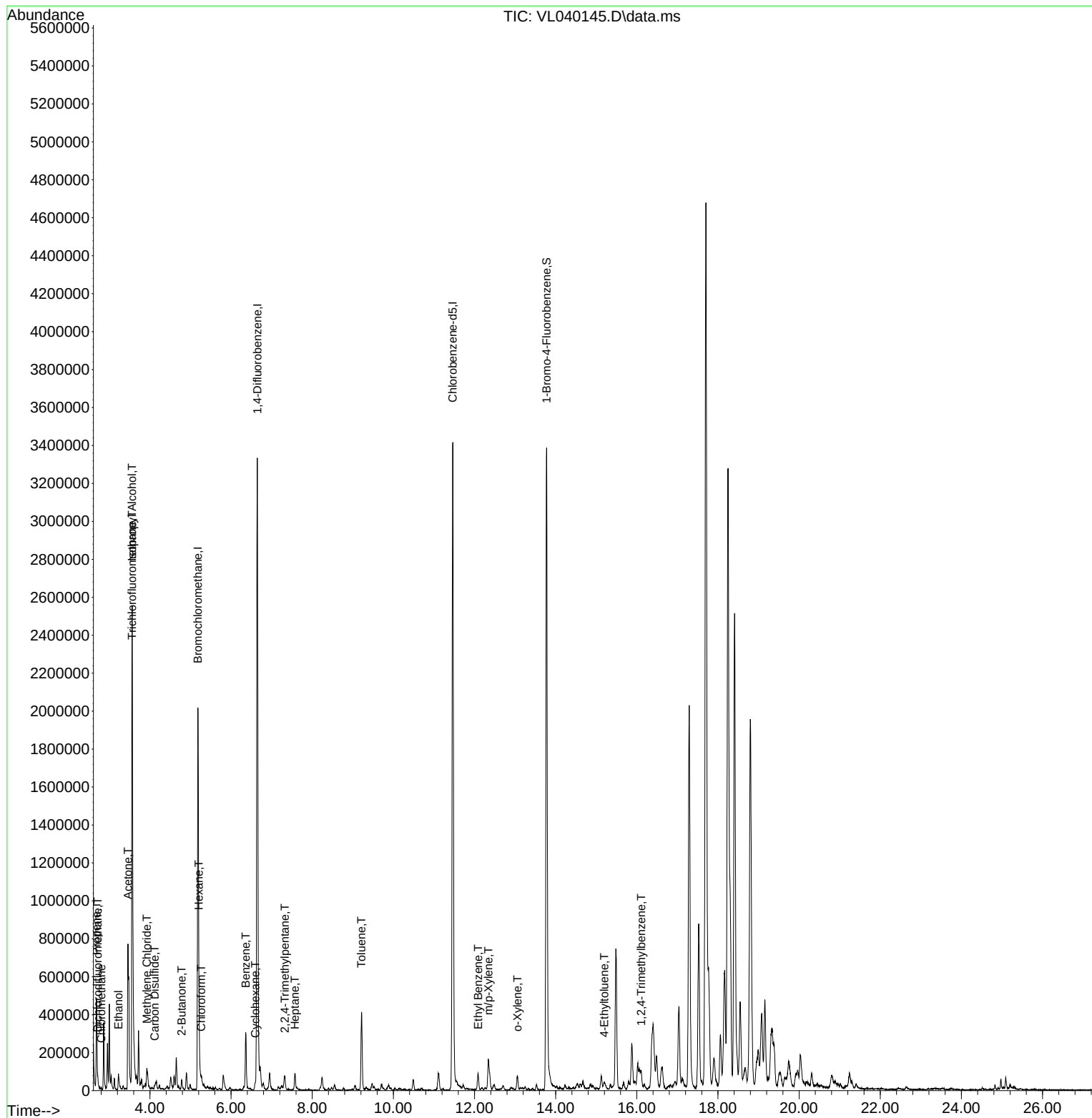
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL020623\
Data File : VL040145.D
Acq On : 6 Feb 2023 14:25
Operator : SY/MD
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Misc : 400mL/MSVOA_L
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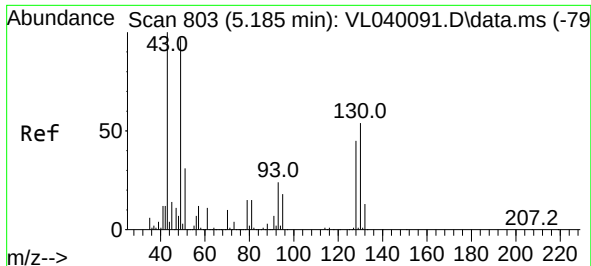
Instrument :
MSVOA_L
ClientSampleId :
SV2

Quant Time: Feb 07 05:55:23 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Tue Jan 31 05:24:57 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

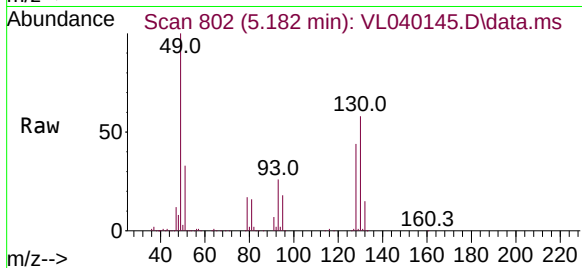
Reviewed By : Semsettin Yesilyurt 02/07/2023
Supervised By : Mahesh Dadoda 02/08/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.182 min Scan# 80
Delta R.T. 0.003 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

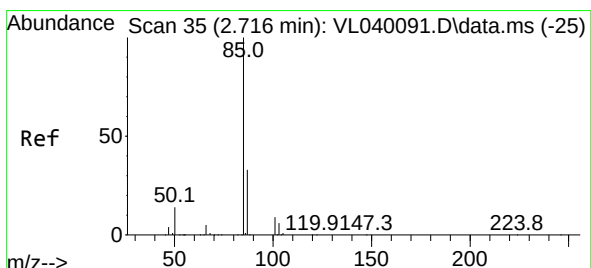
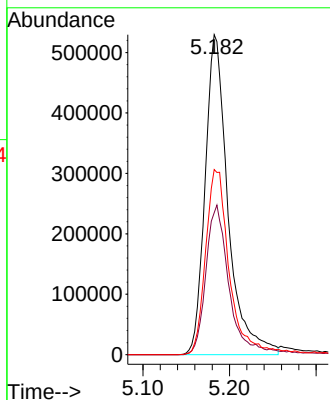
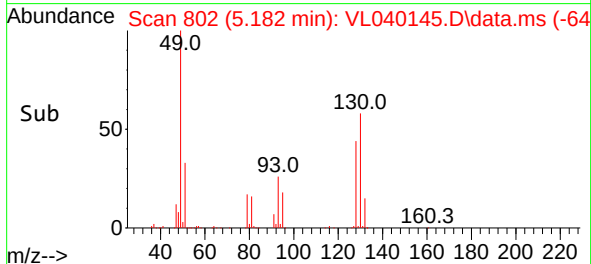
Instrument :
MSVOA_L
ClientSampleId :
SV2



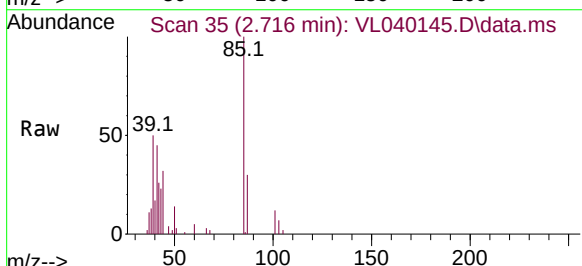
Tgt Ion: 49 Resp: 974634
Ion Ratio Lower Upper
49 100
128 48.6 23.6 71.0
130 61.2 29.8 89.3

Manual Integrations
APPROVED

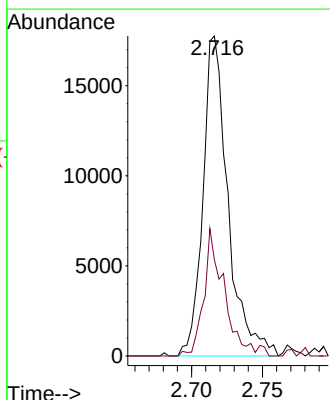
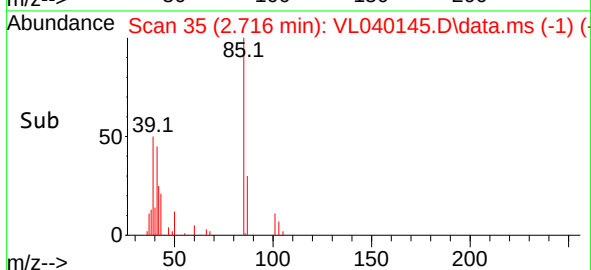
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

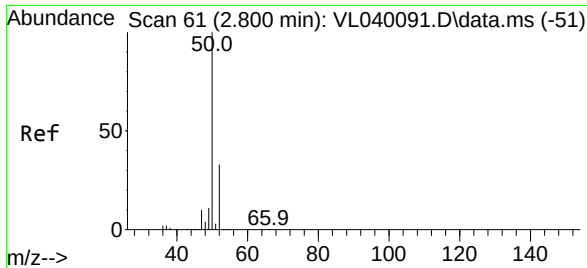


#2
Dichlorodifluoromethane
Concen: 0.128 ppbv
RT: 2.716 min Scan# 35
Delta R.T. 0.003 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25



Tgt Ion: 85 Resp: 21861
Ion Ratio Lower Upper
85 100
87 30.1 26.5 39.7





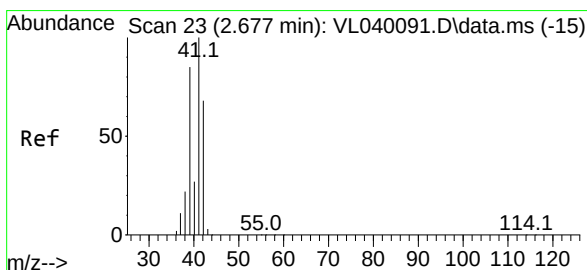
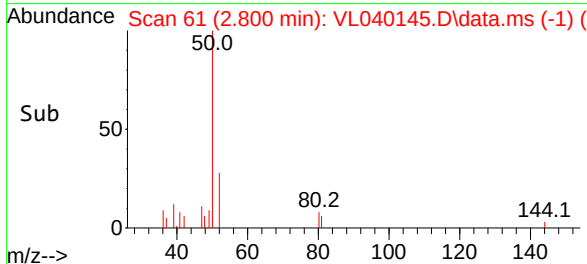
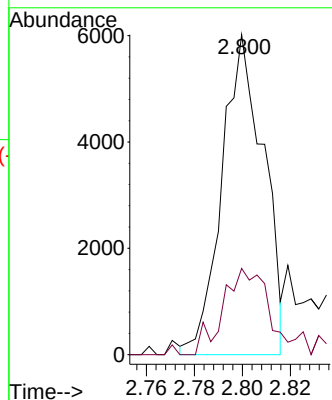
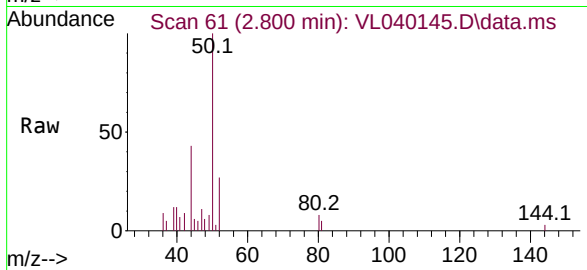
#4
Chloromethane
Concen: 0.100 ppbv
RT: 2.800 min Scan# 61
Delta R.T. 0.007 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 50 Resp: 725
Ion Ratio Lower Upper
50 100
52 27.7 26.5 39.7

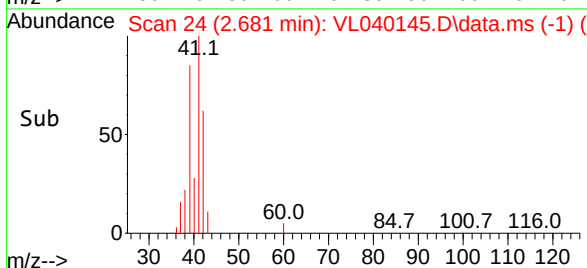
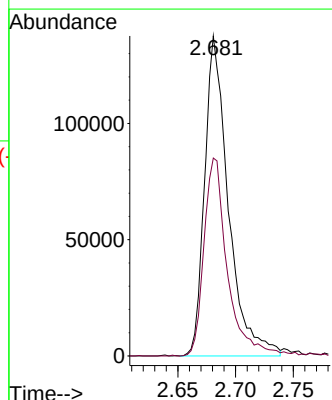
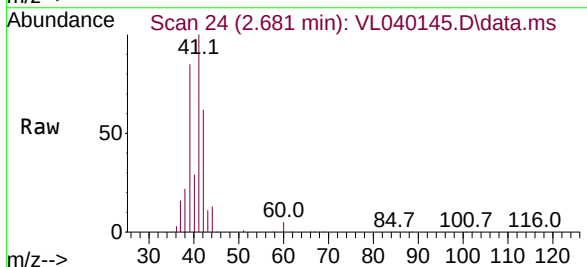
Manual Integrations
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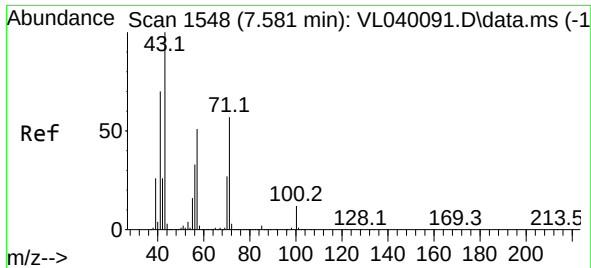
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#9
Propene
Concen: 4.051 ppbv
RT: 2.681 min Scan# 24
Delta R.T. 0.007 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

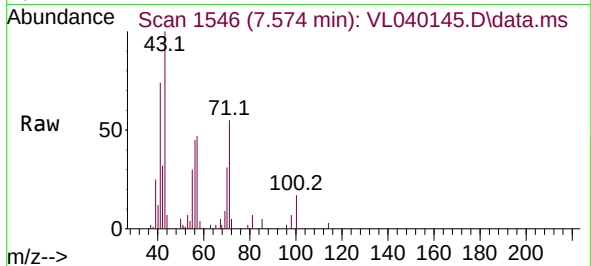
Tgt Ion: 41 Resp: 196760
Ion Ratio Lower Upper
41 100
42 61.8 55.6 83.4





#10
Heptane
Concen: 0.305 ppbv
RT: 7.574 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

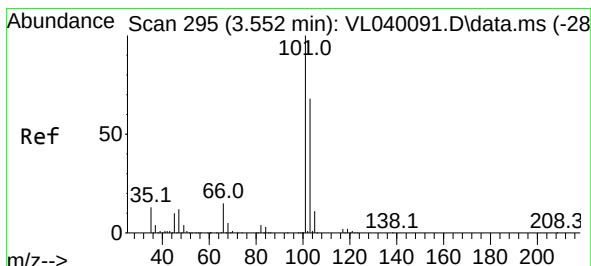
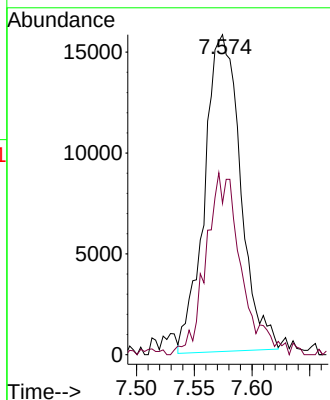
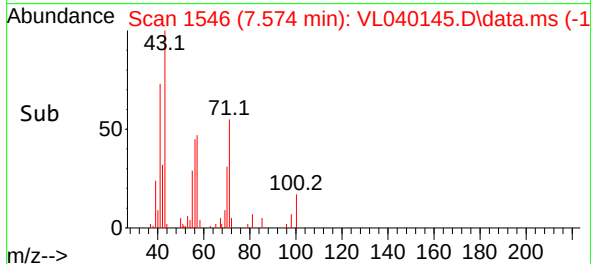
Instrument :
MSVOA_L
ClientSampleId :
SV2



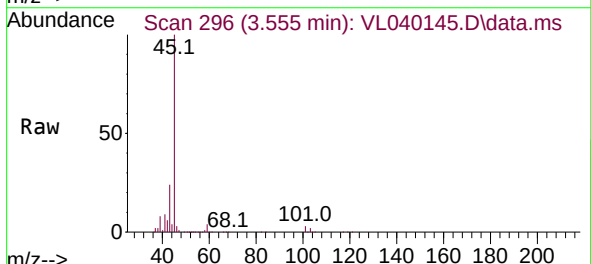
Tgt Ion: 43 Resp: 34180
Ion Ratio Lower Upper
43 100
57 56.6 40.9 61.3

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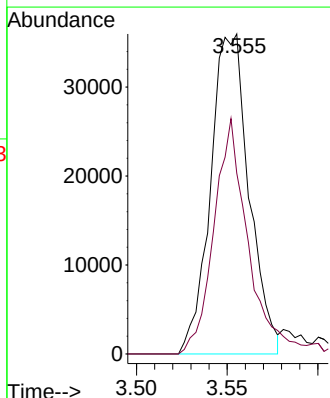
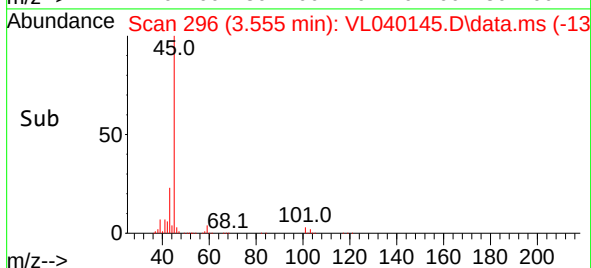
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

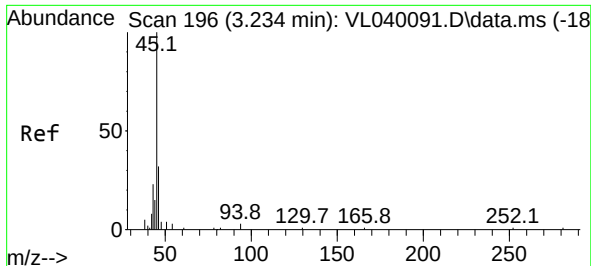


#11
Trichlorofluoromethane
Concen: 0.312 ppbv m
RT: 3.555 min Scan# 296
Delta R.T. 0.010 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25



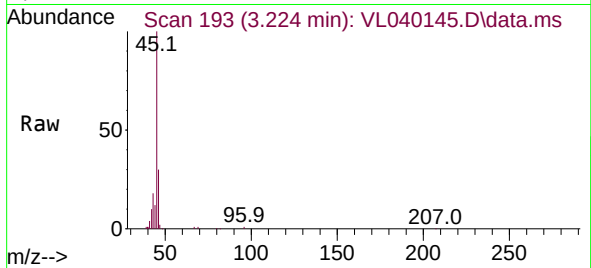
Tgt Ion:101 Resp: 53155
Ion Ratio Lower Upper
101 100
103 56.5 54.0 81.0





#13
Ethanol
Concen: 21.493 ppbv m
RT: 3.224 min Scan# 196
Delta R.T. -0.003 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

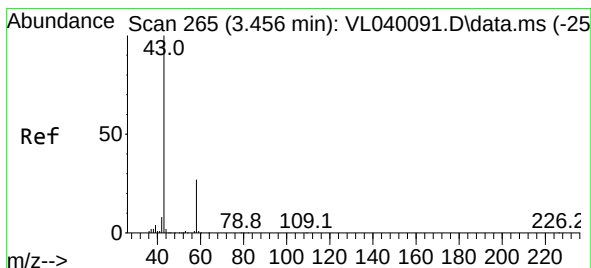
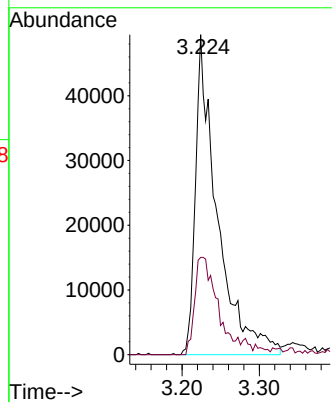
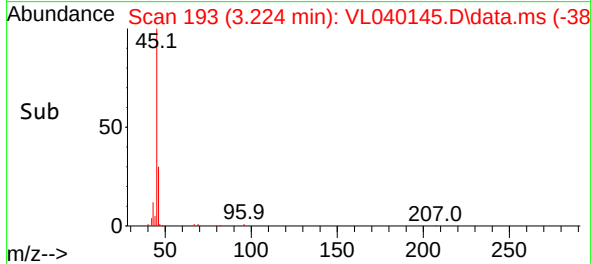
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 45 Resp: 9608
Ion Ratio Lower Upper
45 100
46 34.7 14.8 59.2

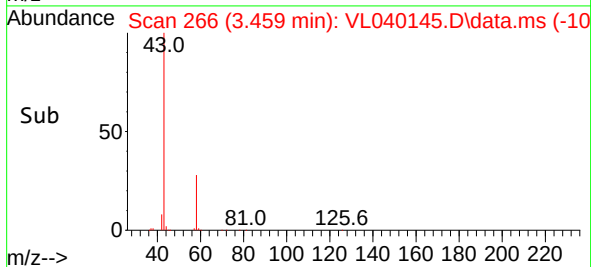
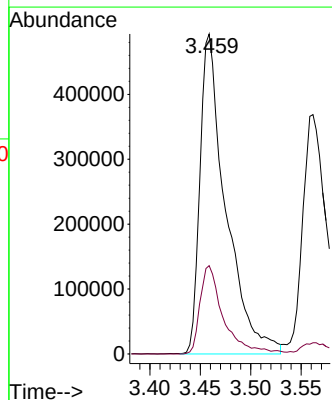
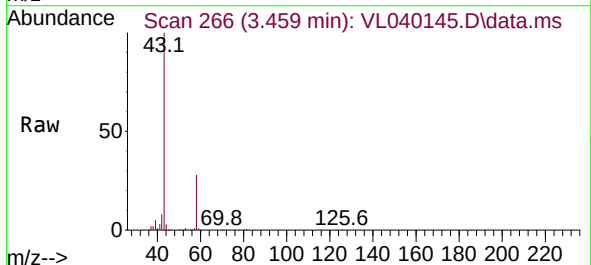
Manual Integrations
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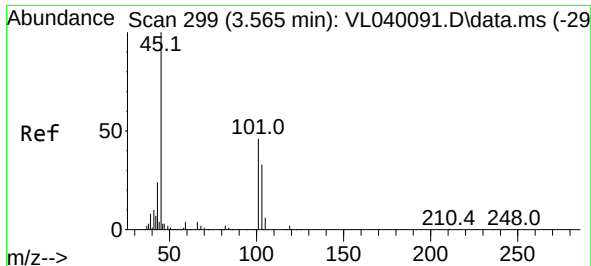
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#15
Acetone
Concen: 7.489 ppbv m
RT: 3.459 min Scan# 266
Delta R.T. 0.010 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

Tgt Ion: 43 Resp: 875350
Ion Ratio Lower Upper
43 100
58 25.1 21.8 32.8





#19

Isopropyl Alcohol

Concen: 49.590 ppbv

RT: 3.562 min Scan# 299

Delta R.T. 0.003 min

Lab File: VL040145.D

Acq: 6 Feb 2023 14:25

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 45 Resp: 2836130

Ion Ratio Lower Upper

45 100

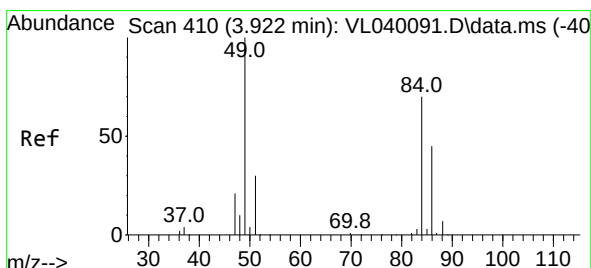
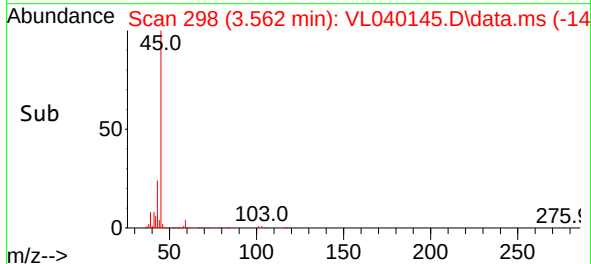
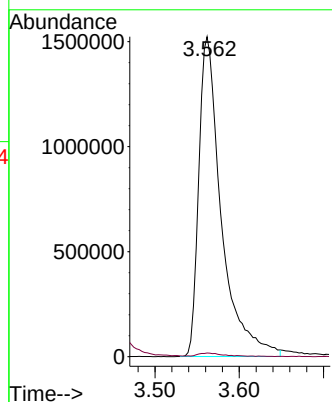
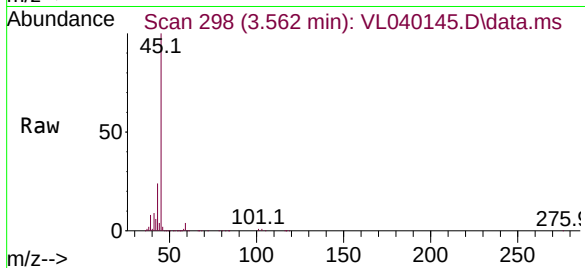
58 1.4 2.6 4.0

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 02/07/2023

Supervised By :Mahesh Dadoda 02/08/2023



#20

Methylene Chloride

Concen: 0.609 ppbv

RT: 3.925 min Scan# 411

Delta R.T. 0.010 min

Lab File: VL040145.D

Acq: 6 Feb 2023 14:25

Tgt Ion: 84 Resp: 31424

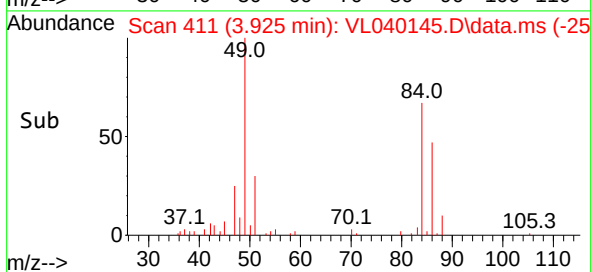
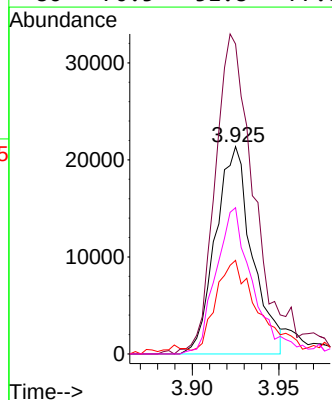
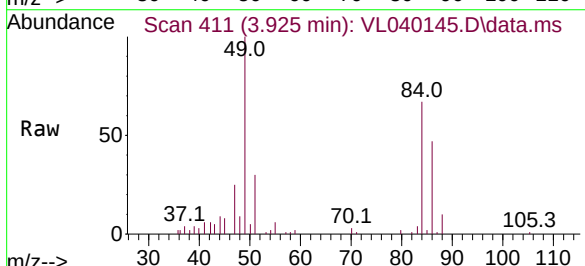
Ion Ratio Lower Upper

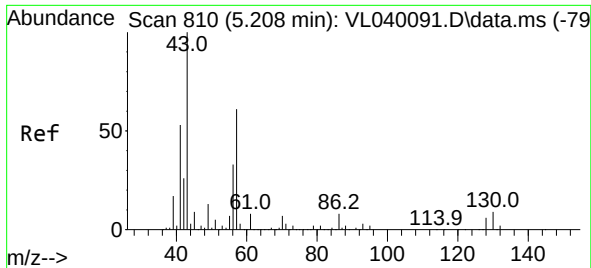
84 100

49 146.1 114.6 171.8

51 42.5 34.3 51.5

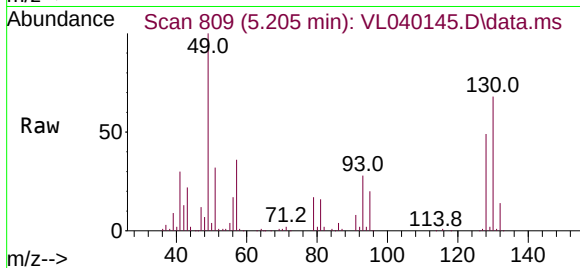
86 70.5 51.8 77.8





#26
Hexane
Concen: 0.838 ppbv
RT: 5.205 min Scan# 809
Delta R.T. 0.007 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

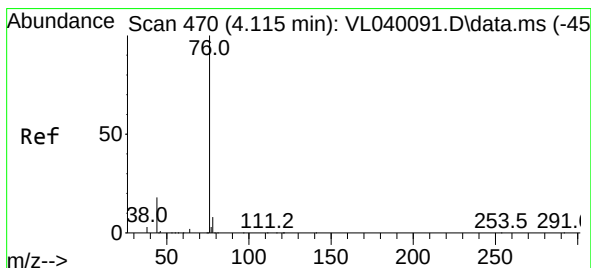
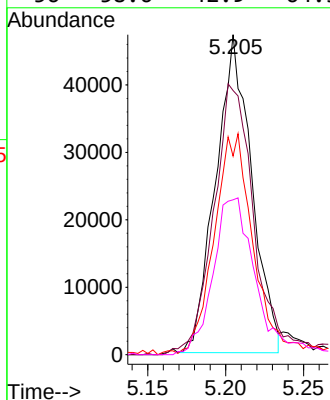
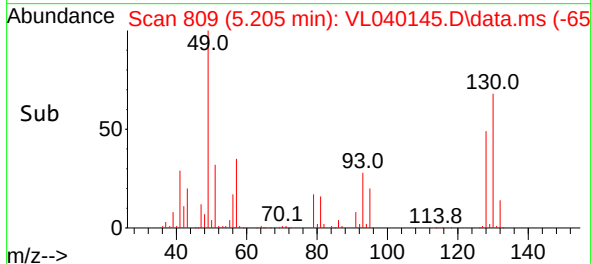
Instrument :
MSVOA_L
ClientSampleId :
SV2



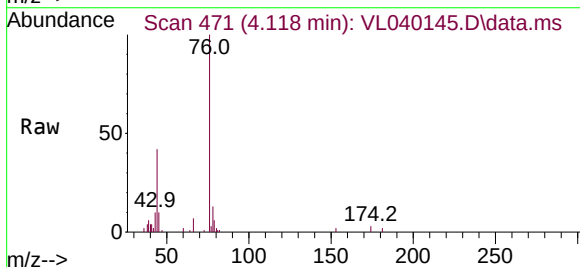
Tgt Ion: 57 Resp: 75529
Ion Ratio Lower Upper
57 100
41 101.7 72.2 108.4
43 79.6 192.1 288.1
56 58.6 42.9 64.3

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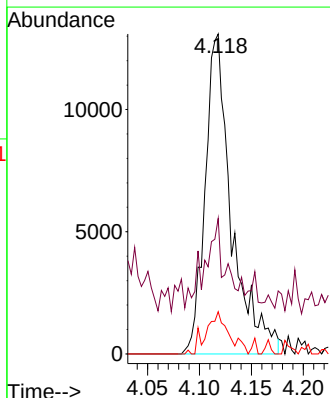
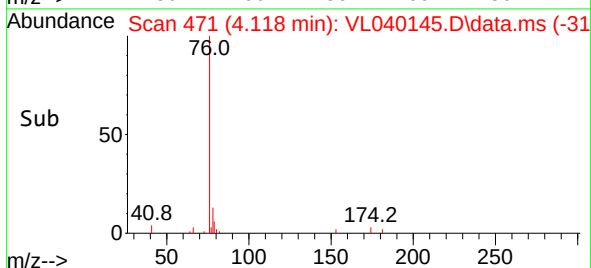
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

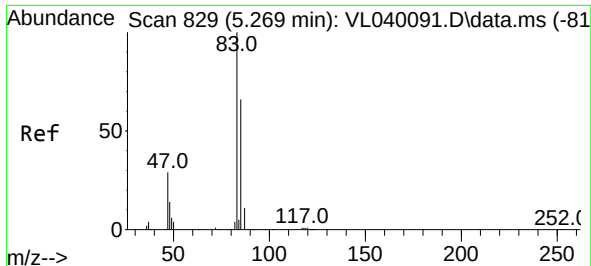


#27
Carbon Disulfide
Concen: 0.199 ppbv m
RT: 4.118 min Scan# 471
Delta R.T. 0.010 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25



Tgt Ion: 76 Resp: 23208
Ion Ratio Lower Upper
76 100
44 0.0 14.9 22.3#
78 0.0 8.2 12.2#





#29

Chloroform

Concen: 0.121 ppbv m

RT: 5.266 min Scan# 81

Delta R.T. 0.007 min

Lab File: VL040145.D

Acq: 6 Feb 2023 14:25

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion: 83 Resp: 17474

Ion Ratio Lower Upper

83 100

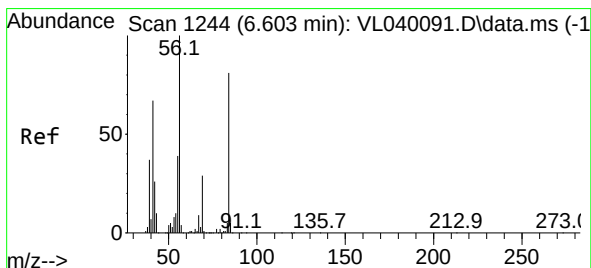
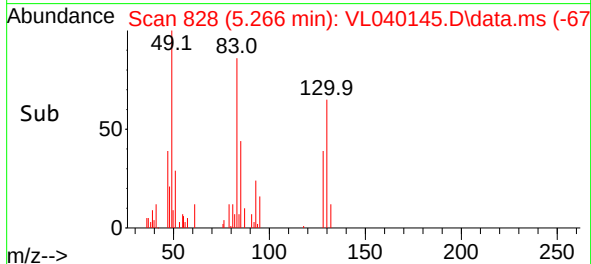
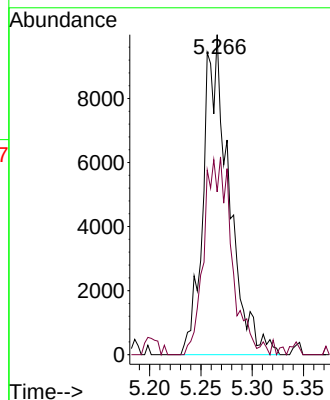
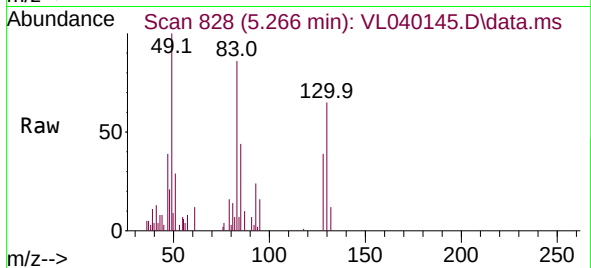
85 50.8 53.1 79.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023

Supervised By :Mahesh Dadoda 02/08/2023



#30

Cyclohexane

Concen: 0.167 ppbv m

RT: 6.600 min Scan# 1243

Delta R.T. 0.010 min

Lab File: VL040145.D

Acq: 6 Feb 2023 14:25

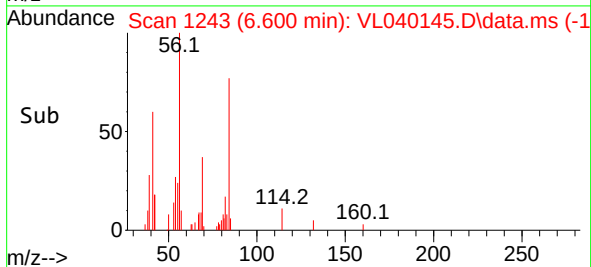
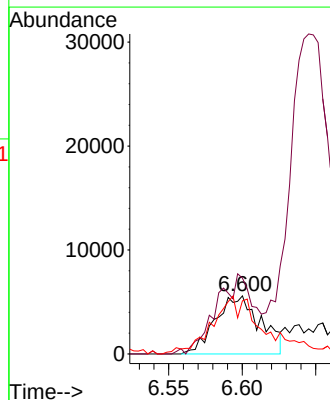
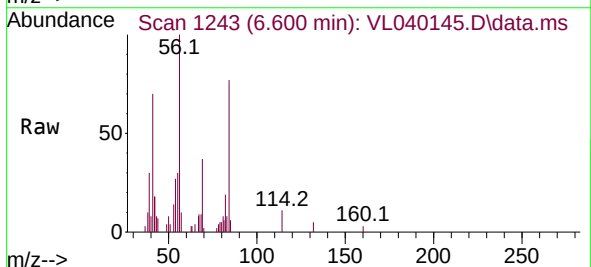
Tgt Ion: 84 Resp: 11940

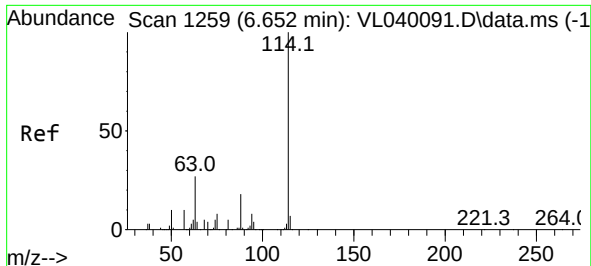
Ion Ratio Lower Upper

84 100

56 121.3 111.5 167.3

41 111.6 71.4 107.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.645 min Scan# 114

Delta R.T. 0.003 min

Lab File: VL040145.D

Acq: 6 Feb 2023 14:25

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tgt Ion:114 Resp: 258454

Ion Ratio Lower Upper

114 100

63 25.0 21.8 32.8

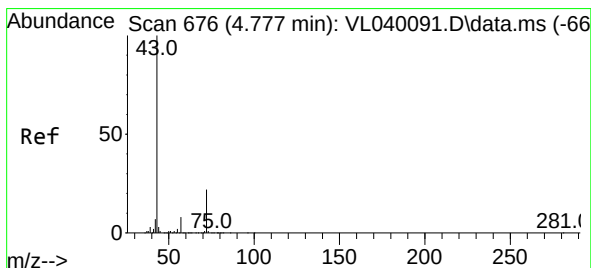
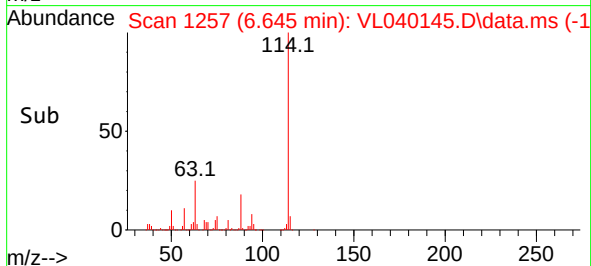
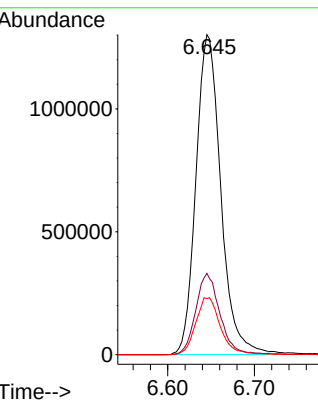
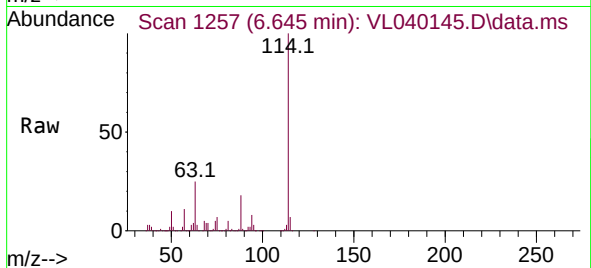
88 17.9 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 02/07/2023

Supervised By :Mahesh Dadoda 02/08/2023



#34

2-Butanone

Concen: 0.421 ppbv

RT: 4.780 min Scan# 677

Delta R.T. 0.010 min

Lab File: VL040145.D

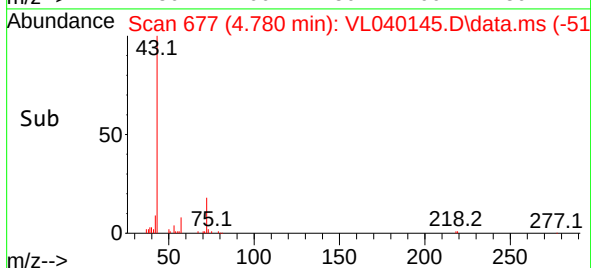
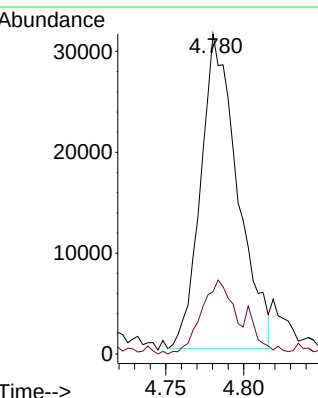
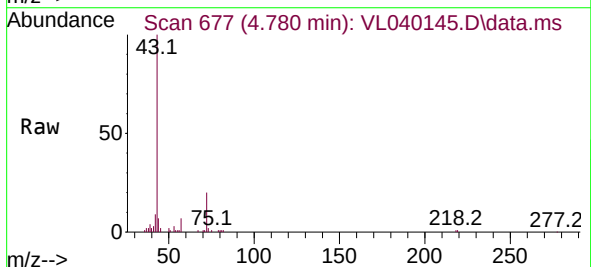
Acq: 6 Feb 2023 14:25

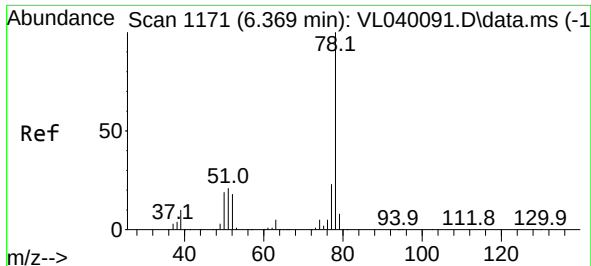
Tgt Ion: 43 Resp: 51433

Ion Ratio Lower Upper

43 100

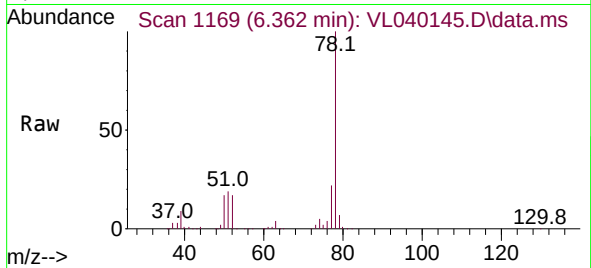
72 26.7 18.4 27.6





#36
Benzene
Concen: 1.335 ppbv
RT: 6.362 min Scan# 1171
Delta R.T. 0.003 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

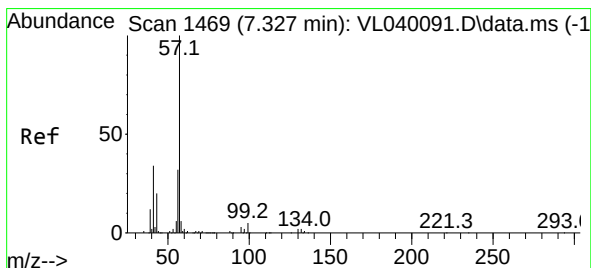
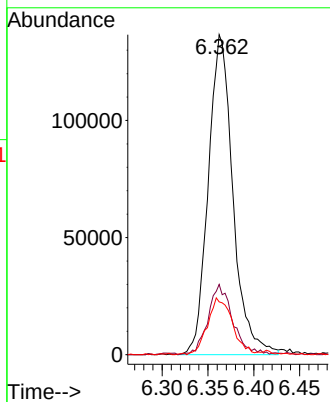
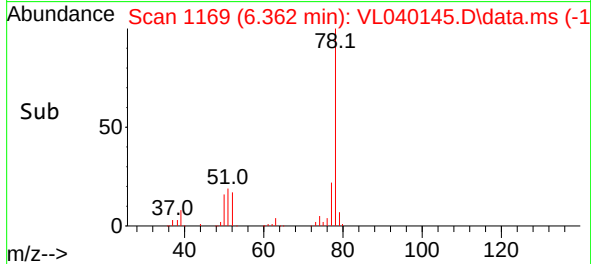
Instrument :
MSVOA_L
ClientSampleId :
SV2



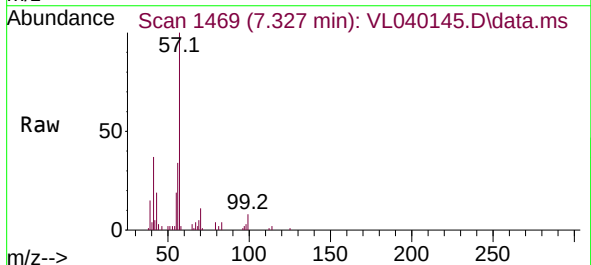
Tgt Ion: 78 Resp: 255394
Ion Ratio Lower Upper
78 100
77 22.0 18.1 27.1
50 16.3 15.6 23.4

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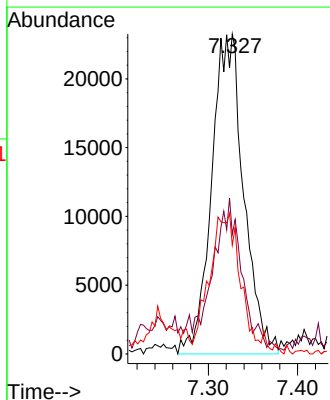
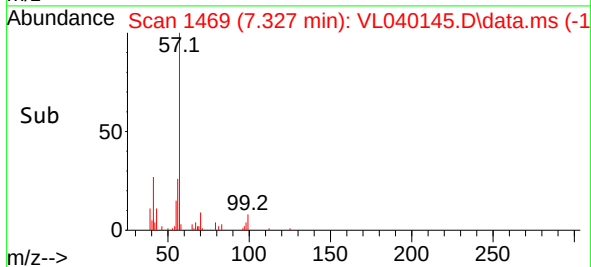
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

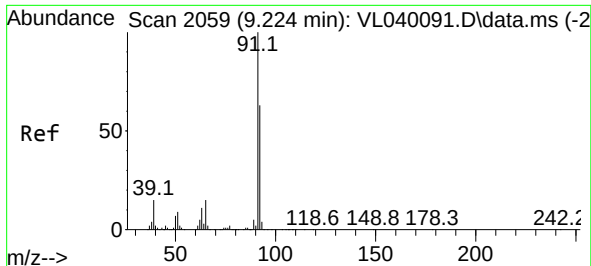


#44
2,2,4-Trimethylpentane
Concen: 0.183 ppbv m
RT: 7.327 min Scan# 1469
Delta R.T. 0.013 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25



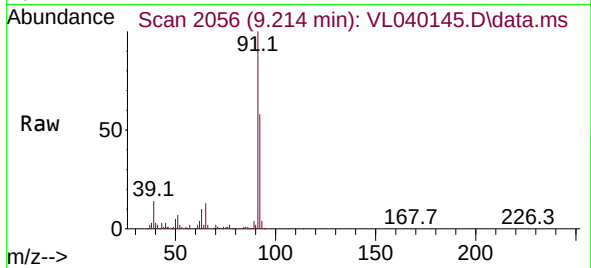
Tgt Ion: 57 Resp: 58180
Ion Ratio Lower Upper
57 100
41 0.0 27.1 40.7#
56 0.0 25.0 37.4#





#53
Toluene
Concen: 1.579 ppbv
RT: 9.214 min Scan# 2059
Delta R.T. 0.003 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

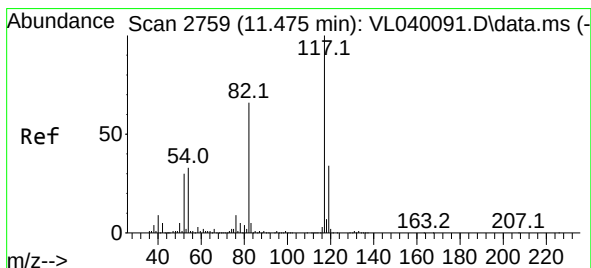
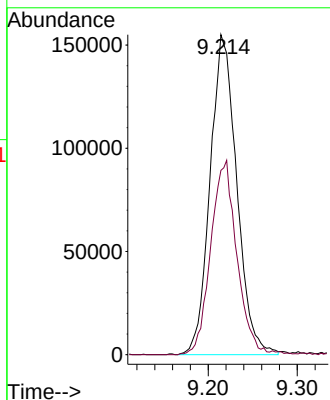
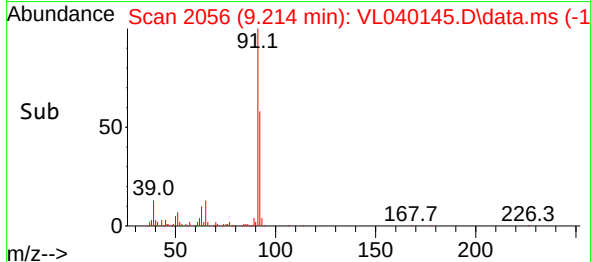
Instrument :
MSVOA_L
ClientSampleId :
SV2



Tgt Ion: 91 Resp: 322129
Ion Ratio Lower Upper
91 100
92 59.8 48.3 72.5

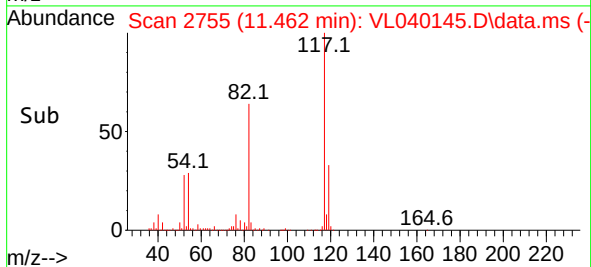
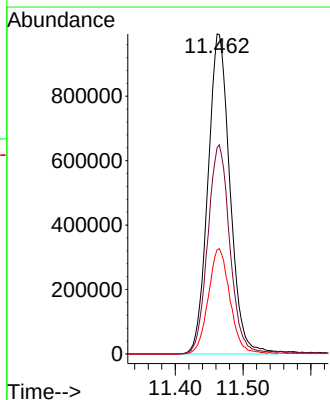
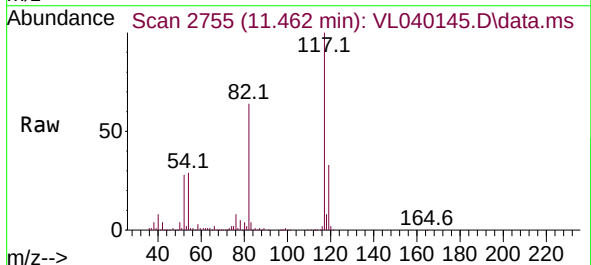
Manual Integrations
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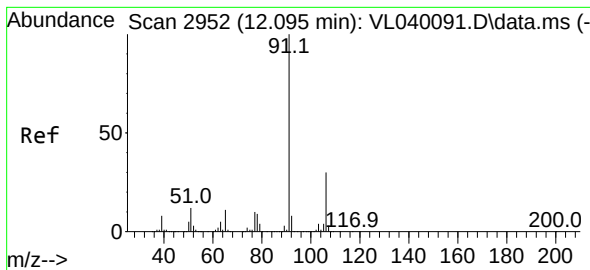
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.462 min Scan# 2755
Delta R.T. 0.003 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

Tgt Ion:117 Resp: 2243267
Ion Ratio Lower Upper
117 100
82 67.0 54.4 81.6
119 32.7 26.8 40.2





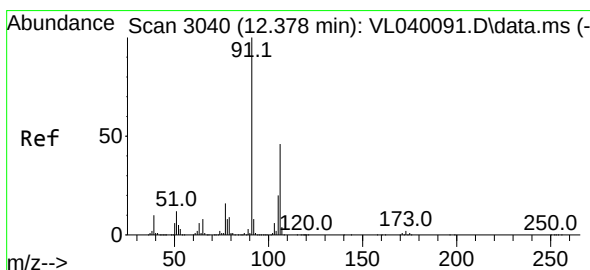
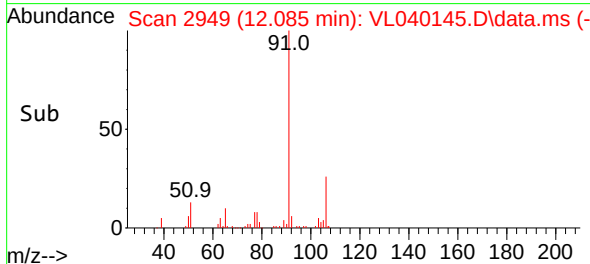
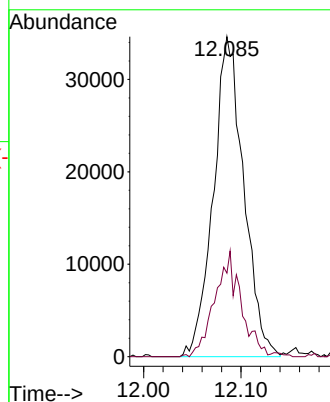
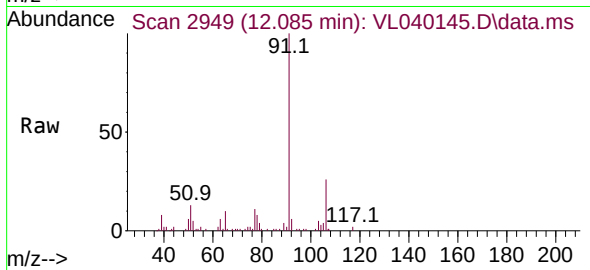
#58
Ethyl Benzene
Concen: 0.300 ppbv
RT: 12.085 min Scan# 2949
Delta R.T. 0.003 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion: 91 Resp: 74979
Ion Ratio Lower Upper
91 100
106 26.1 23.7 35.5

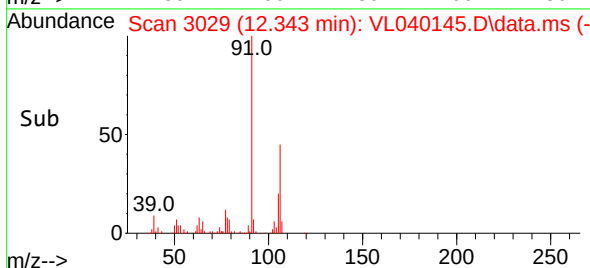
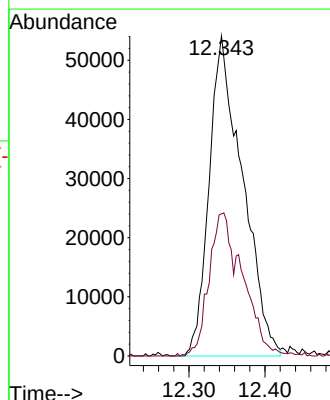
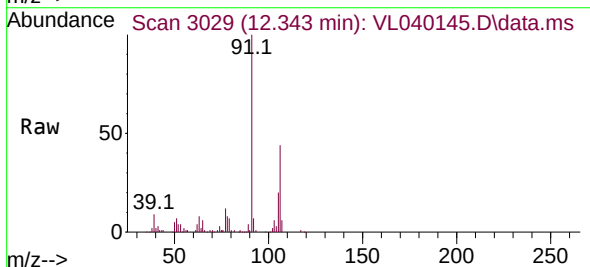
Manual Integrations
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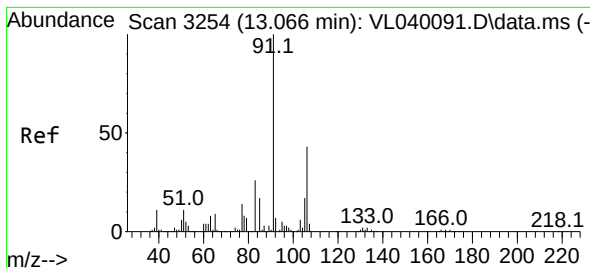
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023



#59
m/p-Xylene
Concen: 0.733 ppbv
RT: 12.343 min Scan# 3029
Delta R.T. -0.022 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

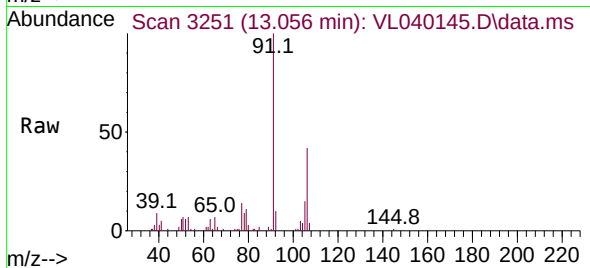
Tgt Ion: 91 Resp: 164884
Ion Ratio Lower Upper
91 100
106 45.4 34.2 51.4





#60
o-Xylene
Concen: 0.258 ppbv
RT: 13.056 min Scan# 31
Delta R.T. 0.007 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

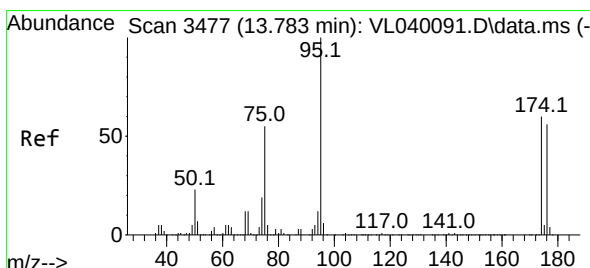
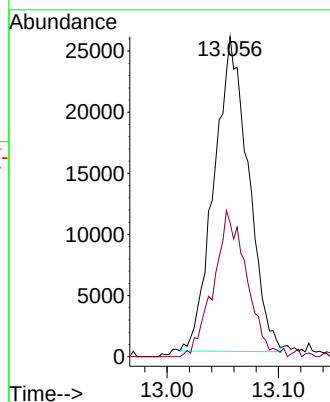
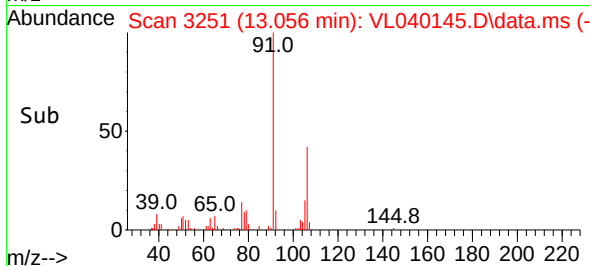
Instrument :
MSVOA_L
ClientSampleId :
SV2



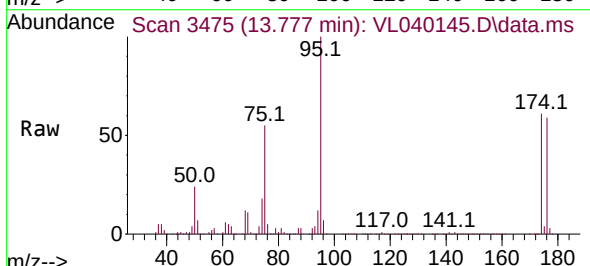
Tgt Ion: 91 Resp: 5503
Ion Ratio Lower Upper
91 100
106 45.4 21.6 64.8

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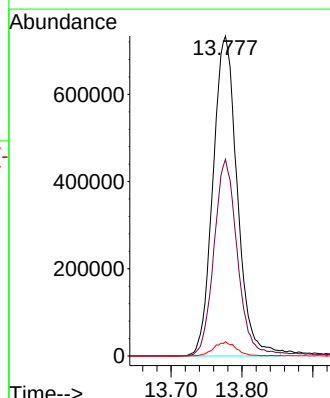
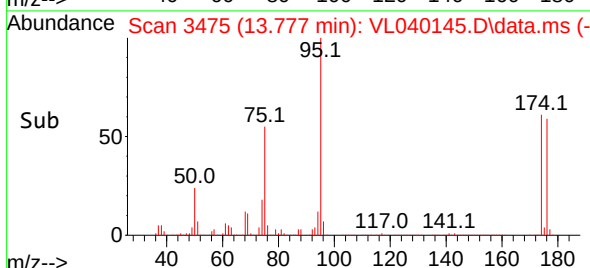
Reviewed By :Semsettin Yesilyurt 02/07/2023
Supervised By :Mahesh Dadoda 02/08/2023

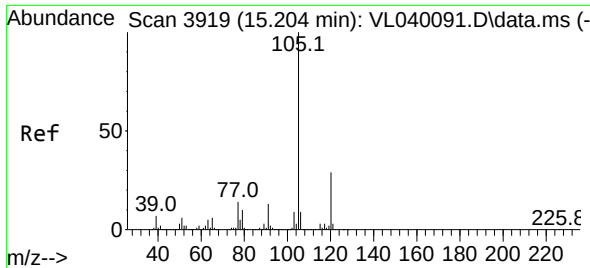


#68
1-Bromo-4-Fluorobenzene
Concen: 9.371 ppbv
RT: 13.777 min Scan# 3475
Delta R.T. 0.007 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25



Tgt Ion: 95 Resp: 1747162
Ion Ratio Lower Upper
95 100
174 60.6 47.7 71.5
175 4.1 3.4 5.2





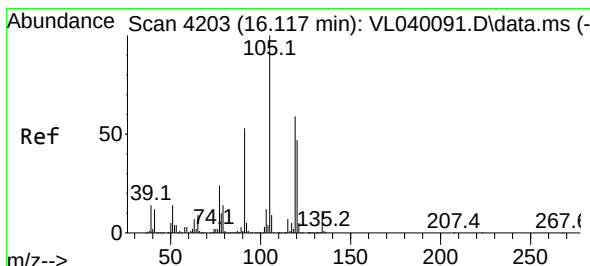
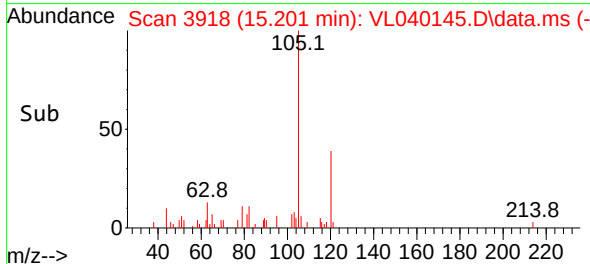
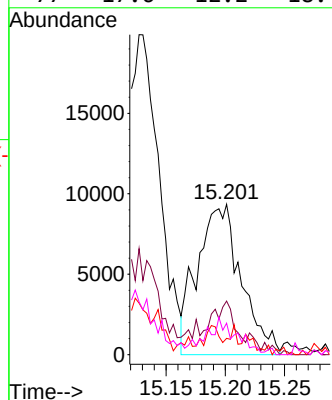
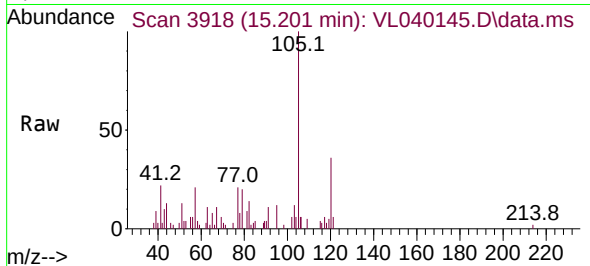
#72
4-Ethyltoluene
Concen: 0.101 ppbv m
RT: 15.201 min Scan# 3919
Delta R.T. 0.013 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tgt Ion:105	Resp:	2403
Ion Ratio	Lower	Upper
105	100	
120	0.0	23.1 34.7
91	0.0	11.2 16.8
77	17.6	12.2 18.4

Manual Integrations
APPROVED

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



#74
1,2,4-Trimethylbenzene
Concen: 0.261 ppbv
RT: 16.105 min Scan# 4199
Delta R.T. 0.003 min
Lab File: VL040145.D
Acq: 6 Feb 2023 14:25

Tgt Ion:105	Resp:	61738
Ion Ratio	Lower	Upper
105	100	
120	46.4	38.0 57.0
91	8.7	42.1 63.1#
77	16.6	19.3 28.9#

