

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
 Data File : VL040115.D
 Acq On : 19 Jan 2023 16:14
 Operator : SY/MD
 Sample : 01223-03 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-3

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023
 Supervised By :Mahesh Dadoda 01/20/2023

Quant Time: Jan 20 02:07:45 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2023
 QLast Update : Mon Jan 16 14:40:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.195	49	1105984	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.661	114	2855511	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.481	117	2582687	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.793	95	2034328	9.478	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.800%
Target Compounds						Qvalue
9) Propene	2.687	41	2308790	41.890	ppbv	94
10) Heptane	7.590	43	47075	0.371	ppbv	96
13) Ethanol	3.243	45	86164m	16.985	ppbv	
15) Acetone	3.462	43	2037974	15.365	ppbv	91
16) 1,3-Butadiene	2.973	39	295670m	4.781	ppbv	
17) tert-Butyl alcohol	3.899	59	18599m	0.151	ppbv	
19) Isopropyl Alcohol	3.587	45	33689m	0.519	ppbv	
20) Methylene Chloride	3.931	84	186946	3.195	ppbv	88
26) Hexane	5.221	57	215425	2.107	ppbv #	47
27) Carbon Disulfide	4.127	76	38526	0.291	ppbv #	88
30) Cyclohexane	6.619	84	22185m	0.273	ppbv	
34) 2-Butanone	4.790	43	782619	5.794	ppbv	99
36) Benzene	6.375	78	401237	1.899	ppbv	95
41) Tetrahydrofuran	5.578	42	67465	0.865	ppbv	97
53) Toluene	9.237	91	233177m	1.035	ppbv	
58) Ethyl Benzene	12.098	91	41126m	0.143	ppbv	
59) m/p-Xylene	12.359	91	83560m	0.322	ppbv	
60) o-Xylene	13.069	91	34241m	0.139	ppbv	
74) 1,2,4-Trimethylbenzene	16.124	105	38709m	0.142	ppbv	

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

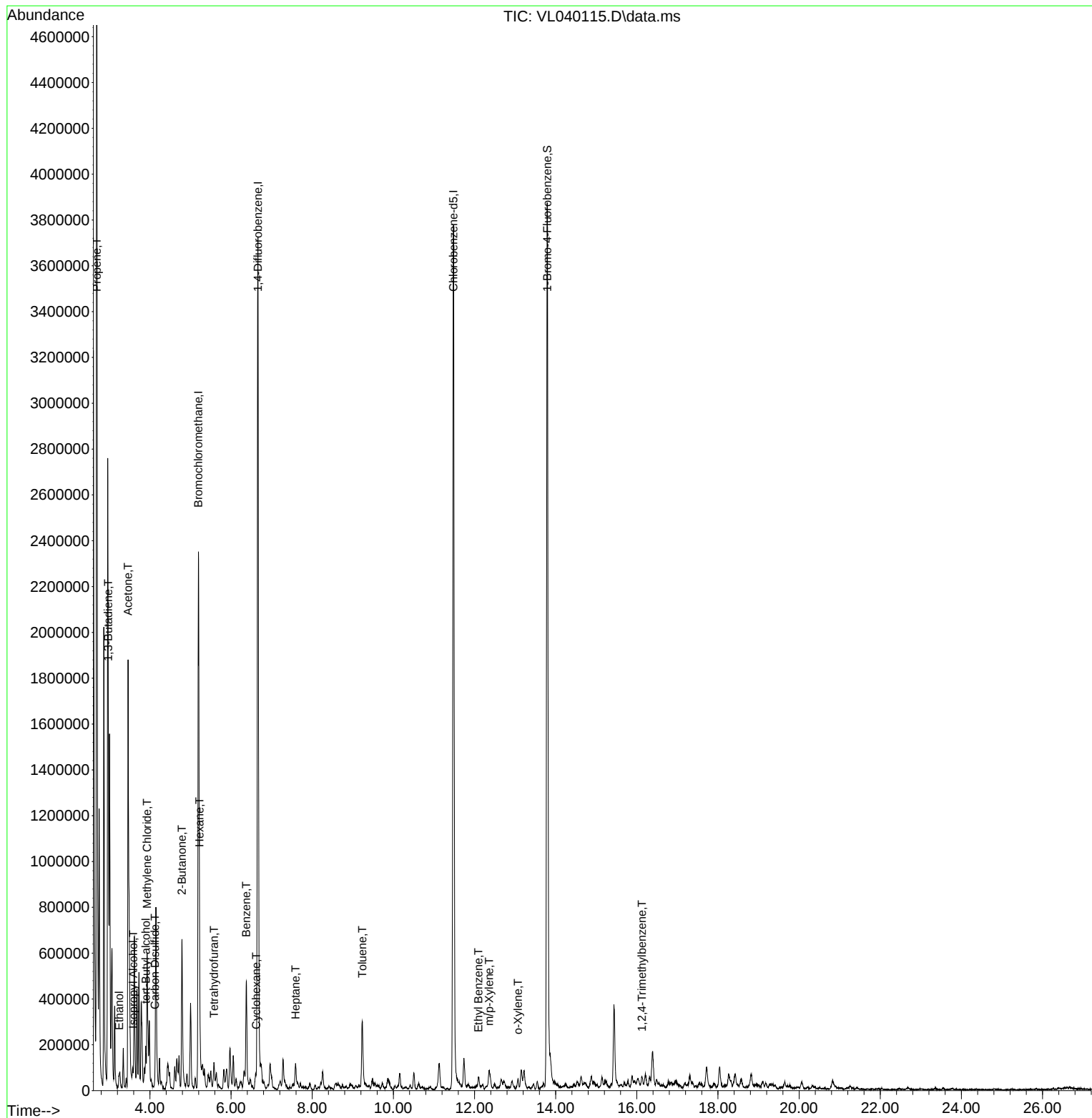
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
Data File : VL040115.D
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Quant Time: Jan 20 02:07:45 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jan 16 14:40:47 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

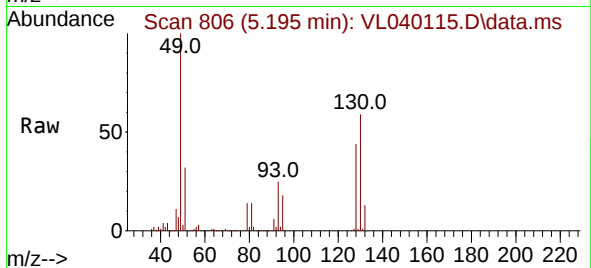
Reviewed By : Semsettin Yesilyurt 01/20/2023
Supervised By : Mahesh Dadoda 01/20/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.195 min Scan# 80
Delta R.T. 0.010 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

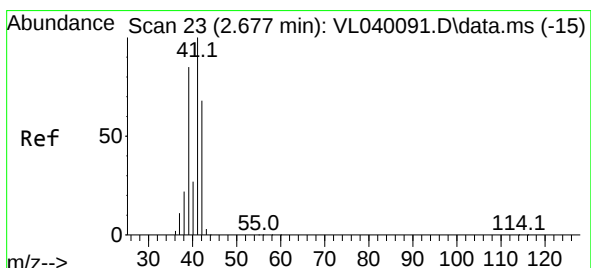
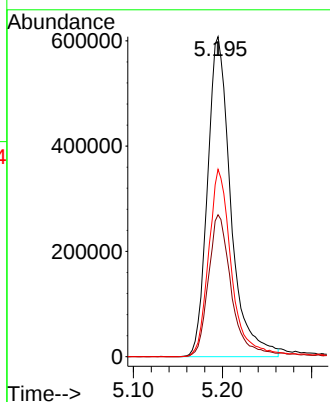
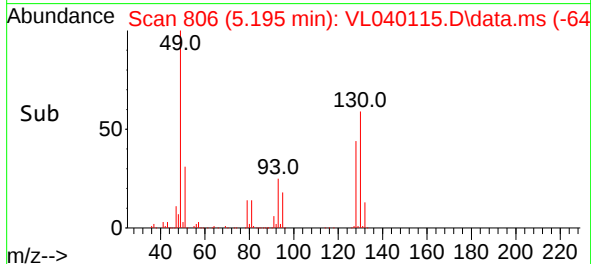
Instrument :
MSVOA_L
ClientSampleId :
VP-3



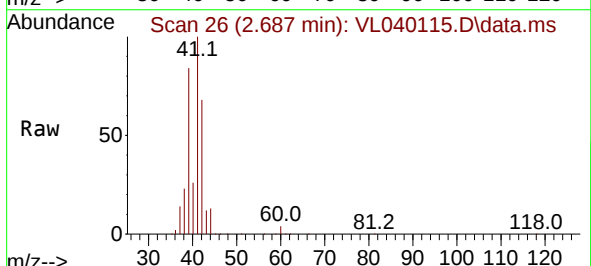
Tgt Ion: 49 Resp: 1105984
Ion Ratio Lower Upper
49 100
128 45.0 23.6 71.0
130 59.5 29.8 89.3

Manual Integrations
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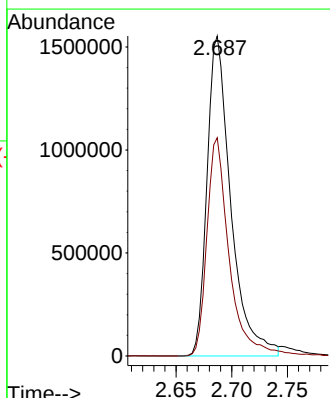
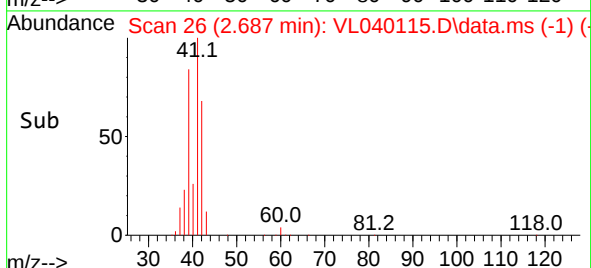
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

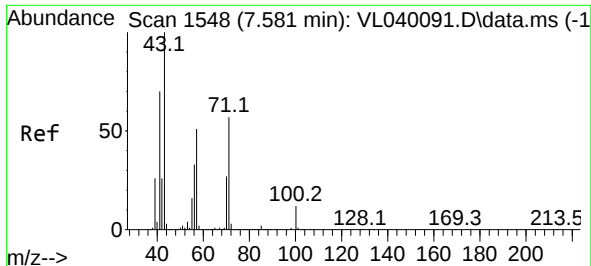


#9
Propene
Concen: 41.890 ppbv
RT: 2.687 min Scan# 26
Delta R.T. 0.010 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14



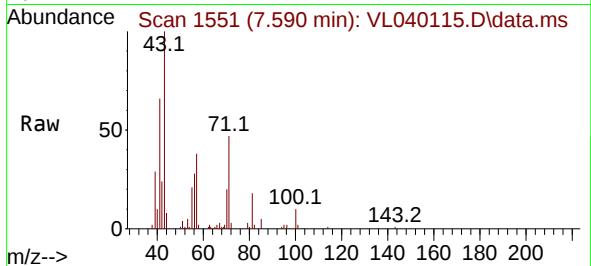
Tgt Ion: 41 Resp: 2308790
Ion Ratio Lower Upper
41 100
42 64.3 55.6 83.4





#10
Heptane
Concen: 0.371 ppbv
RT: 7.590 min Scan# 11
Delta R.T. 0.010 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

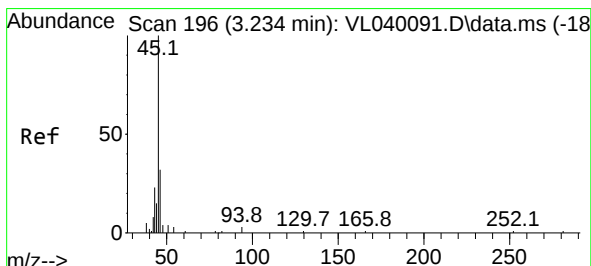
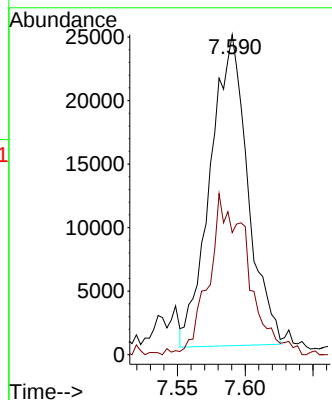
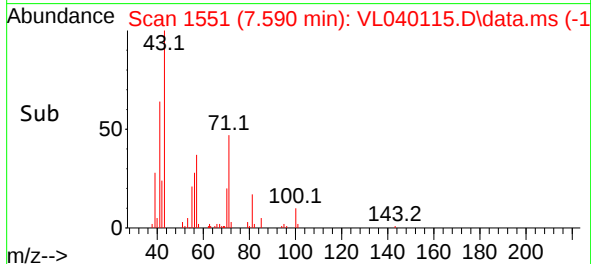
Instrument :
MSVOA_L
ClientSampleId :
VP-3



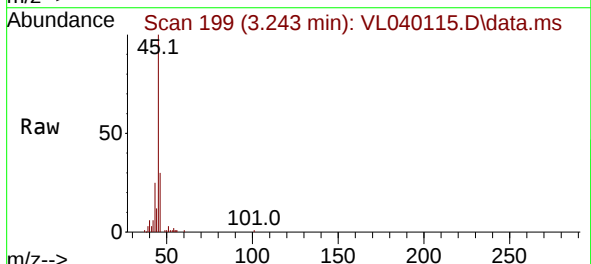
Tgt Ion: 43 Resp: 47075
Ion Ratio Lower Upper
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57 54.1 40.9 61.3

Manual Integrations
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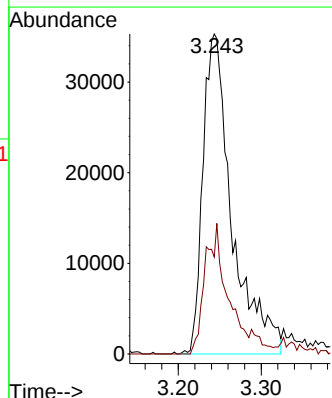
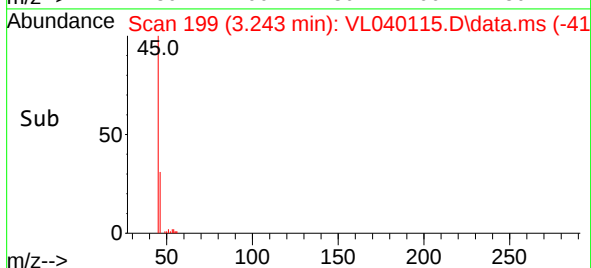
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

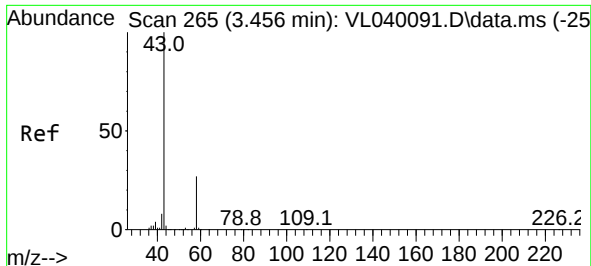


#13
Ethanol
Concen: 16.985 ppbv m
RT: 3.243 min Scan# 199
Delta R.T. 0.010 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14



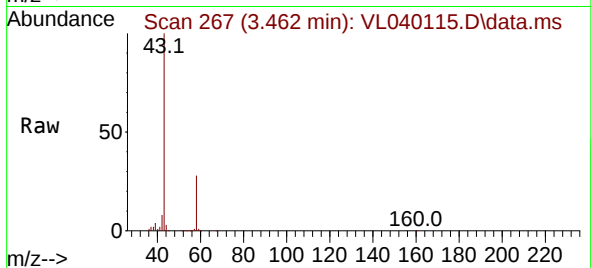
Tgt Ion: 45 Resp: 86164
Ion Ratio Lower Upper
45 100
46 34.0 14.8 59.2





#15
Acetone
Concen: 15.365 ppbv
RT: 3.462 min Scan# 20
Delta R.T. 0.006 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

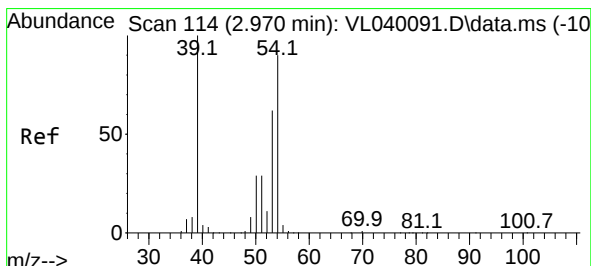
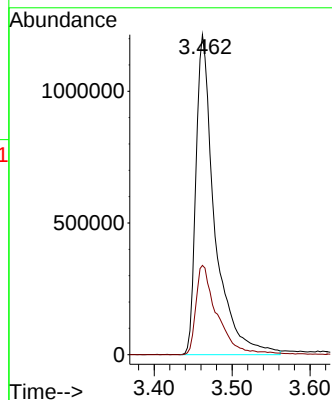
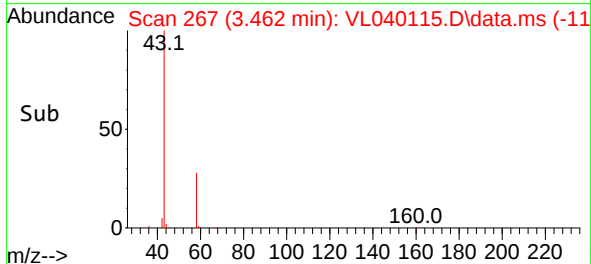
Instrument :
MSVOA_L
ClientSampleId :
VP-3



Tgt Ion: 43 Resp: 2037974
Ion Ratio Lower Upper
43 100
58 32.0 21.8 32.8

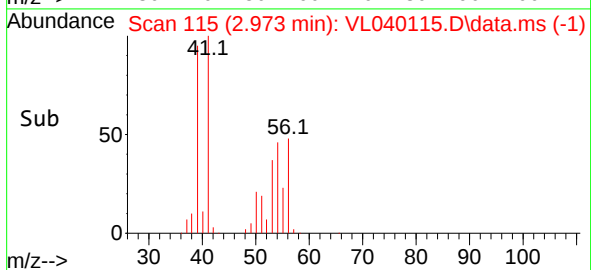
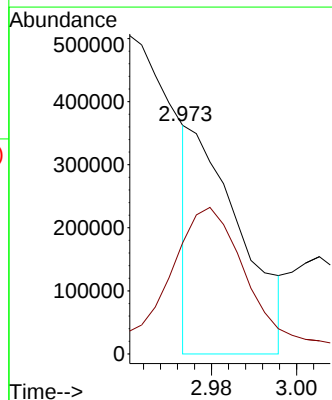
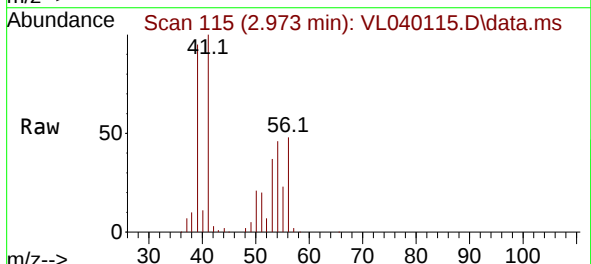
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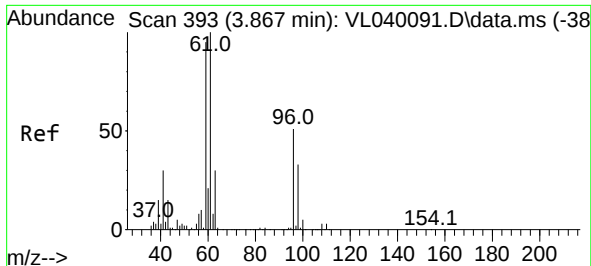
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#16
1,3-Butadiene
Concen: 4.781 ppbv m
RT: 2.973 min Scan# 115
Delta R.T. 0.003 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

Tgt Ion: 39 Resp: 295670
Ion Ratio Lower Upper
39 100
54 111.5 67.9 101.9#





#17

tert-Butyl alcohol

Concen: 0.151 ppbv m

RT: 3.899 min Scan# 403

Delta R.T. 0.032 min

Lab File: VL040115.D

Acq: 19 Jan 2023 16:14

Instrument :

MSVOA_L

ClientSampleId :

VP-3

Tgt Ion: 59 Resp: 1859

Ion Ratio Lower Upper

59 100

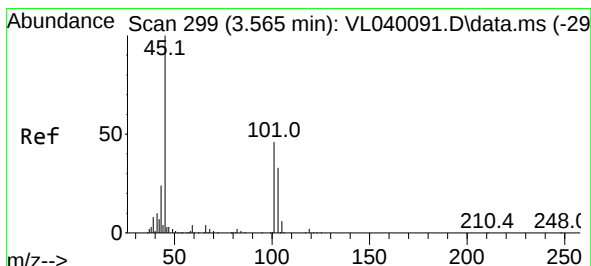
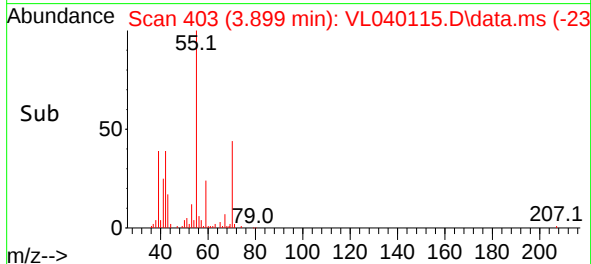
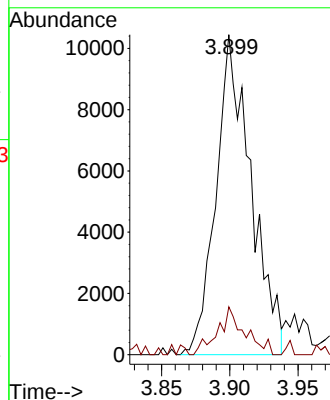
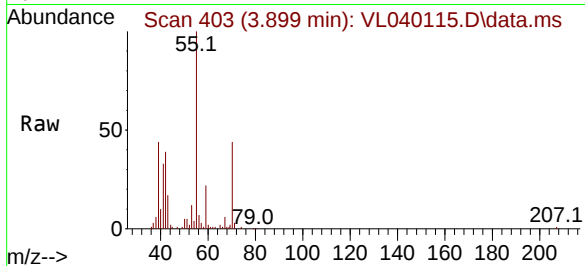
57 0.0 8.5 12.7

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#19

Isopropyl Alcohol

Concen: 0.519 ppbv m

RT: 3.587 min Scan# 306

Delta R.T. 0.022 min

Lab File: VL040115.D

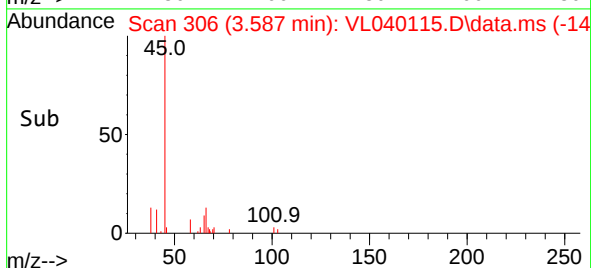
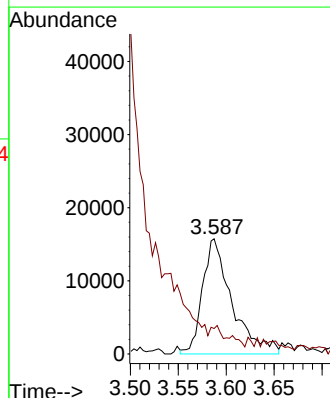
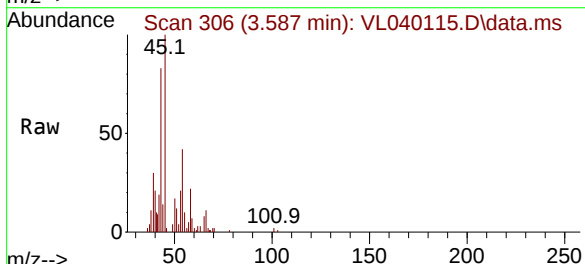
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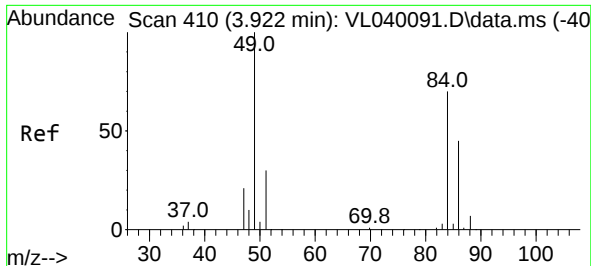
Tgt Ion: 45 Resp: 33689

Ion Ratio Lower Upper

45 100

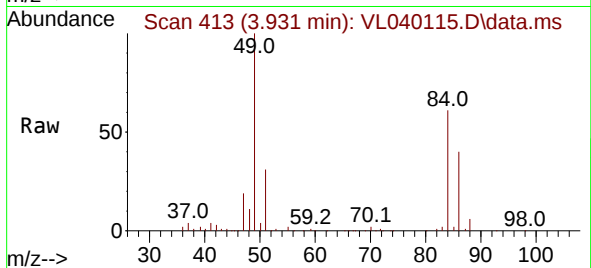
58 0.0 2.6 4.0





#20
Methylene Chloride
Concen: 3.195 ppbv
RT: 3.931 min Scan# 410
Delta R.T. 0.010 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

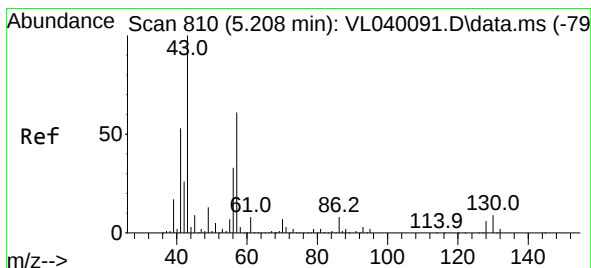
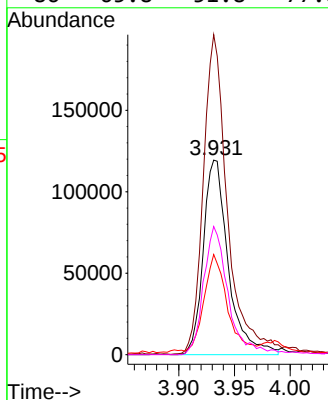
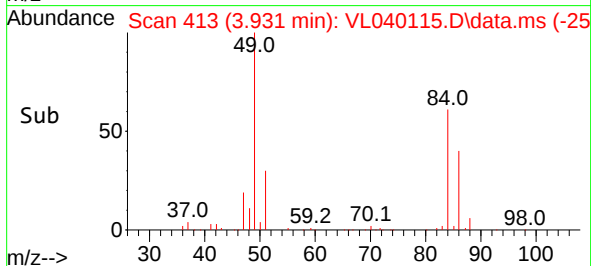
Instrument :
MSVOA_L
ClientSampleId :
VP-3



Tgt Ion: 84 Resp: 186940
Ion Ratio Lower Upper
84 100
49 164.0 114.6 171.8
51 49.3 34.3 51.5
86 65.8 51.8 77.8

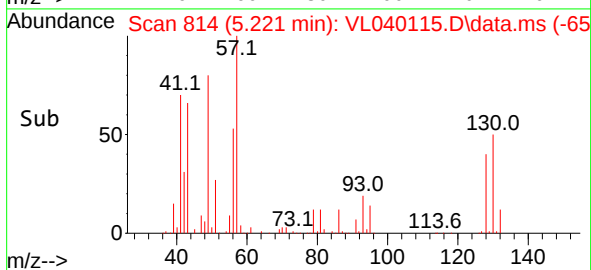
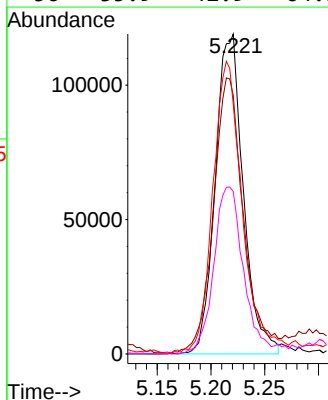
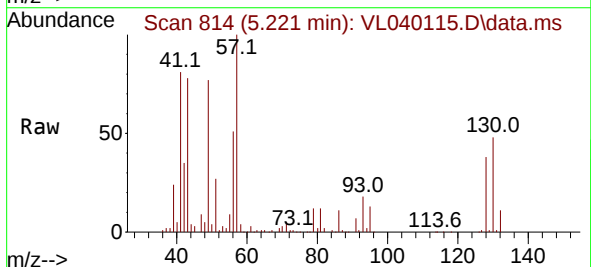
Manual Integrations
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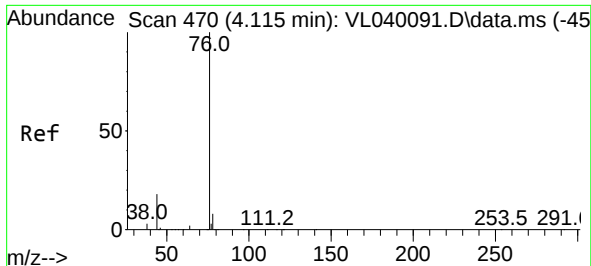
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#26
Hexane
Concen: 2.107 ppbv
RT: 5.221 min Scan# 814
Delta R.T. 0.013 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

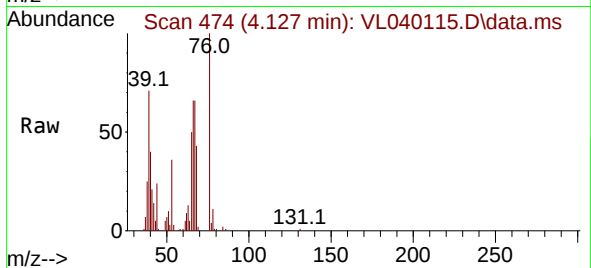
Tgt Ion: 57 Resp: 215425
Ion Ratio Lower Upper
57 100
41 92.4 72.2 108.4
43 99.7 192.1 288.1#
56 55.9 42.9 64.3





#27
Carbon Disulfide
Concen: 0.291 ppbv
RT: 4.127 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

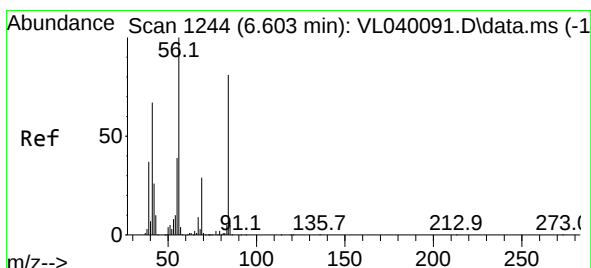
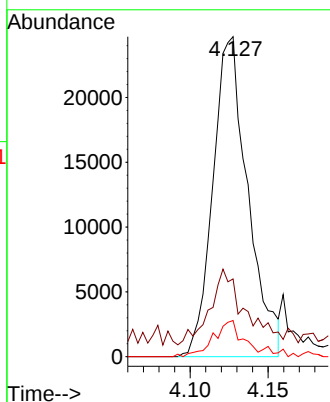
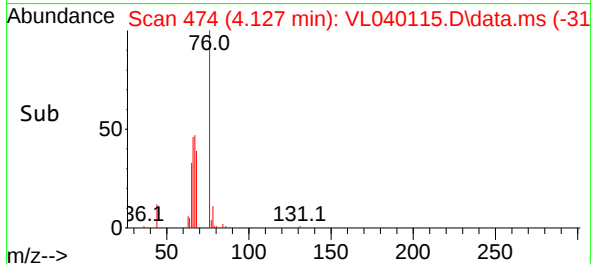
Instrument :
MSVOA_L
ClientSampleId :
VP-3



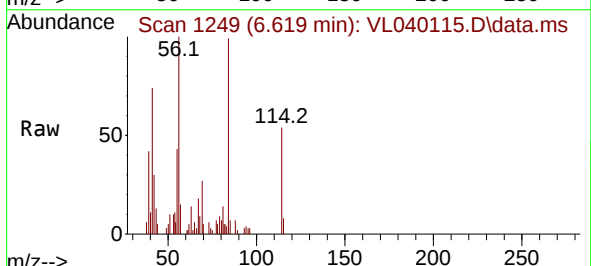
Tgt Ion: 76 Resp: 38520
Ion Ratio Lower Upper
76 100
44 26.4 14.9 22.3#
78 10.5 8.2 12.2

Manual Integrations
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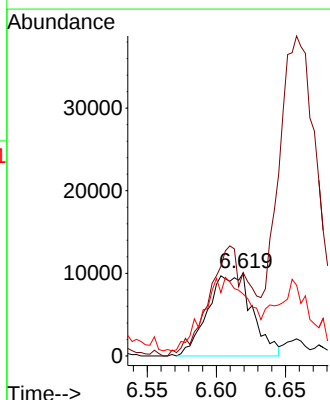
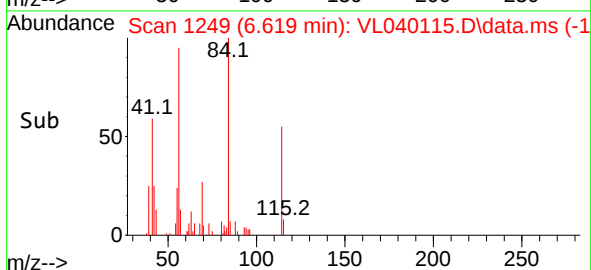
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

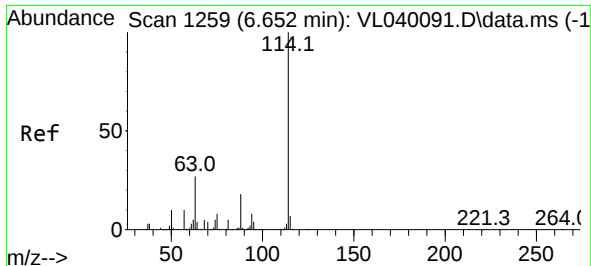


#30
Cyclohexane
Concen: 0.273 ppbv m
RT: 6.619 min Scan# 1249
Delta R.T. 0.016 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14



Tgt Ion: 84 Resp: 22185
Ion Ratio Lower Upper
84 100
56 0.0 111.5 167.3#
41 0.0 71.4 107.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 6.661 min Scan# 1

Delta R.T. 0.010 min

Lab File: VL040115.D

Acq: 19 Jan 2023 16:14

Instrument :

MSVOA_L

ClientSampleId :

VP-3

Tgt Ion:114 Resp: 285551

Ion Ratio Lower Upper

114 100

63 25.5 21.8 32.8

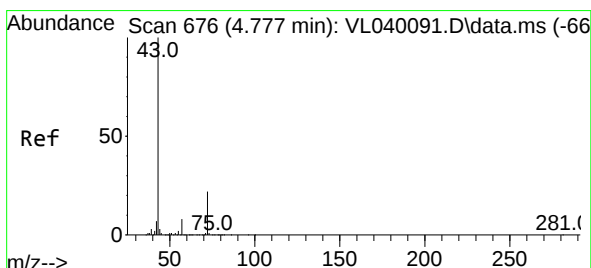
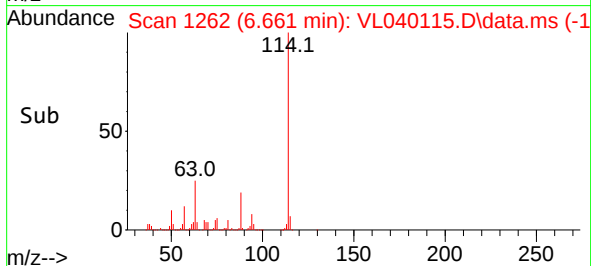
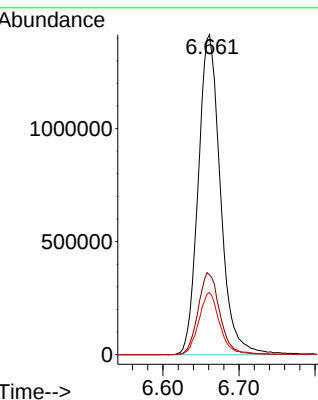
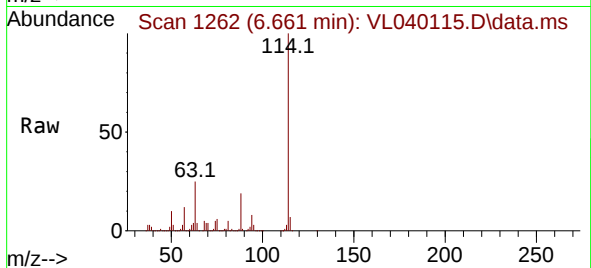
88 18.6 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#34

2-Butanone

Concen: 5.794 ppbv

RT: 4.790 min Scan# 680

Delta R.T. 0.013 min

Lab File: VL040115.D

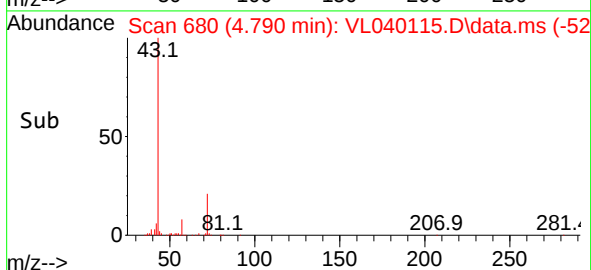
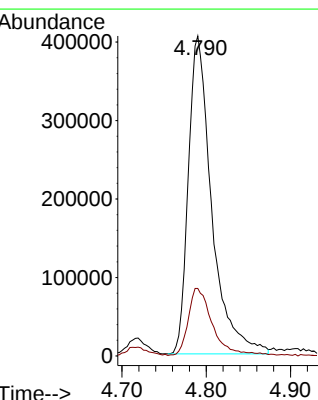
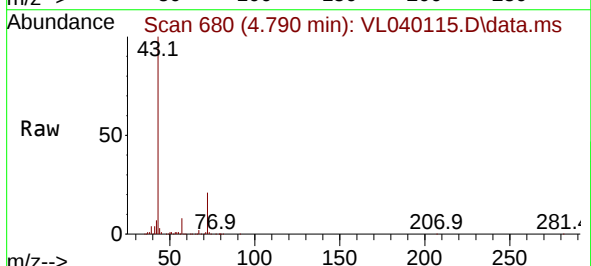
Acq: 19 Jan 2023 16:14

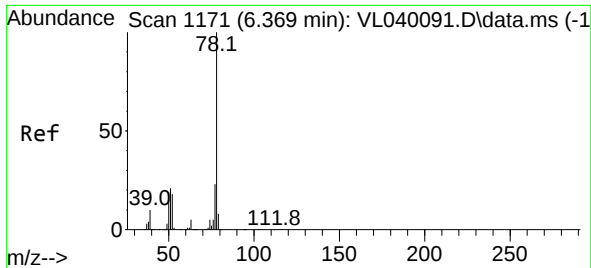
Tgt Ion: 43 Resp: 782619

Ion Ratio Lower Upper

43 100

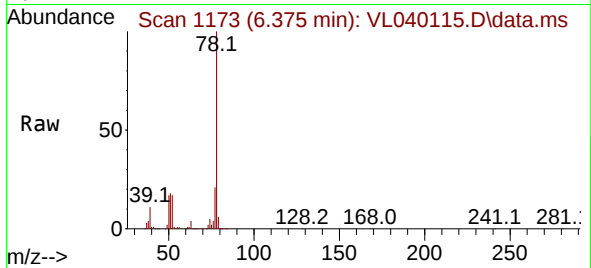
72 22.7 18.4 27.6





#36
Benzene
Concen: 1.899 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

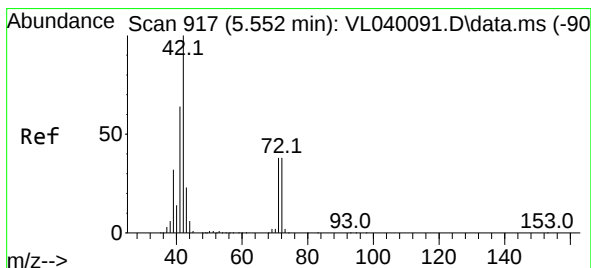
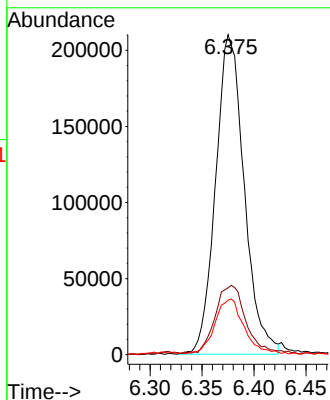
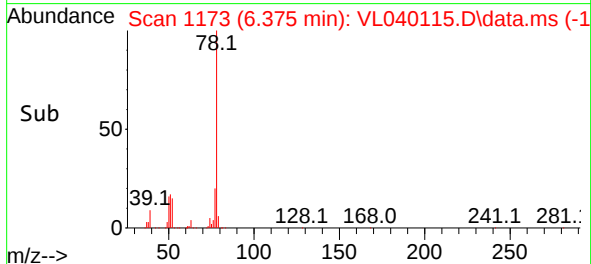
Instrument :
MSVOA_L
ClientSampleId :
VP-3



Tgt Ion: 78 Resp: 40123
Ion Ratio Lower Upper
78 100
77 20.3 18.1 27.1
50 16.8 15.6 23.4

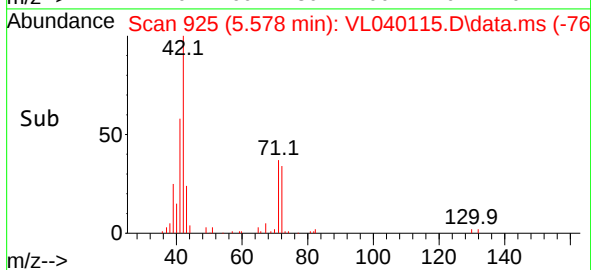
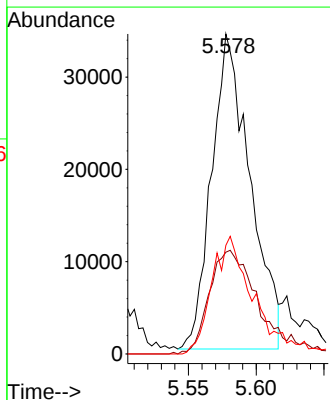
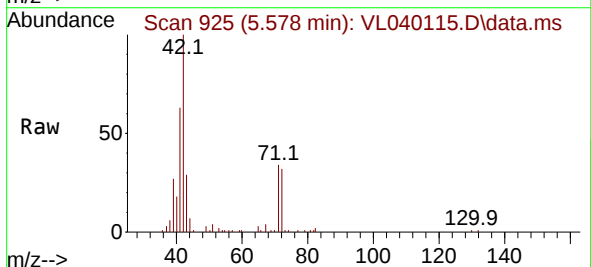
Manual Integrations
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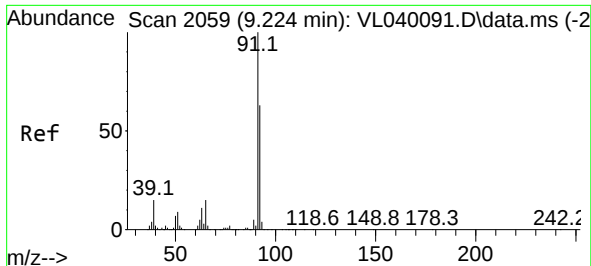
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#41
Tetrahydrofuran
Concen: 0.865 ppbv
RT: 5.578 min Scan# 925
Delta R.T. 0.026 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

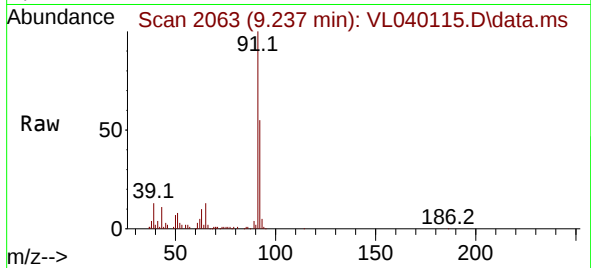
Tgt Ion: 42 Resp: 67465
Ion Ratio Lower Upper
42 100
72 42.6 31.9 47.9
71 40.5 31.4 47.2





#53
Toluene
Concen: 1.035 ppbv m
RT: 9.237 min Scan# 2059
Delta R.T. 0.013 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

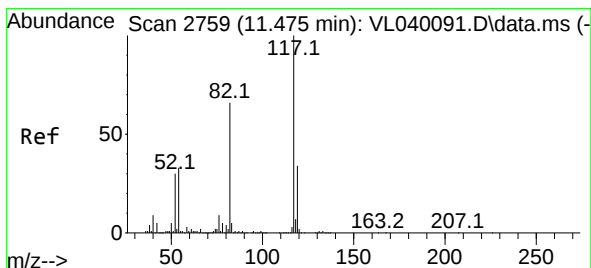
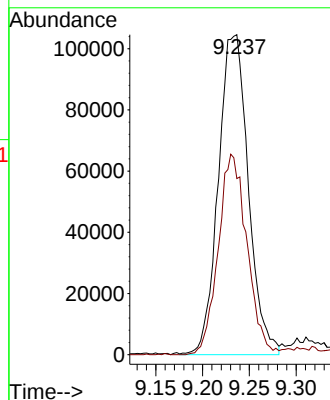
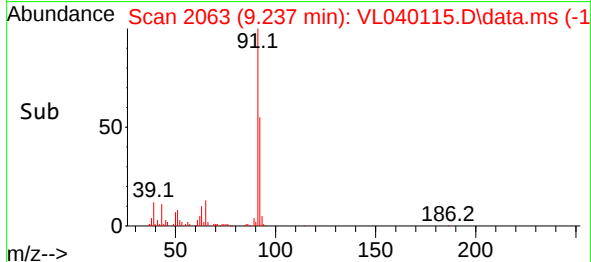
Instrument :
MSVOA_L
ClientSampleId :
VP-3



Tgt Ion: 91 Resp: 23317
Ion Ratio Lower Upper
91 100
92 60.0 48.3 72.5

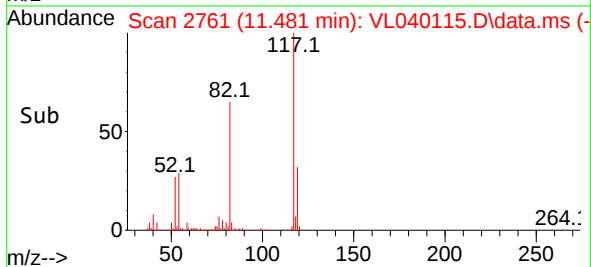
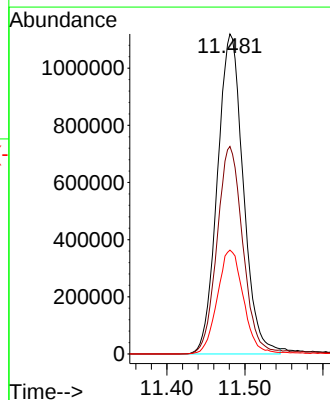
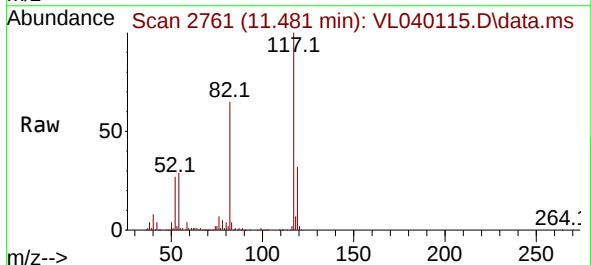
Manual Integrations
APPROVED

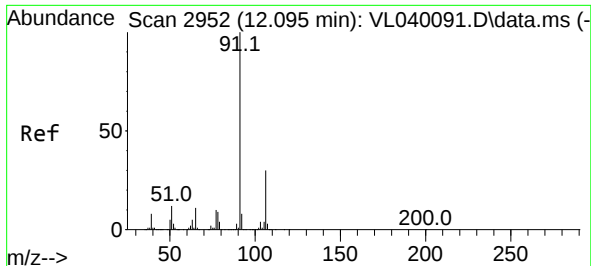
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.481 min Scan# 2761
Delta R.T. 0.006 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

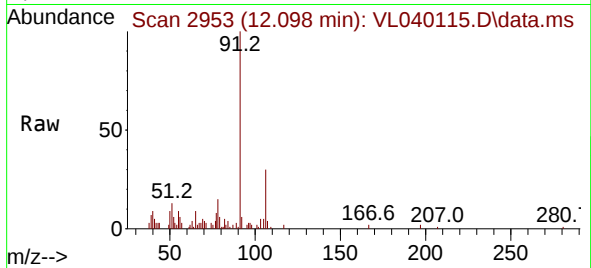
Tgt Ion:117 Resp: 2582687
Ion Ratio Lower Upper
117 100
82 65.9 54.4 81.6
119 33.0 26.8 40.2





#58
Ethyl Benzene
Concen: 0.143 ppbv m
RT: 12.098 min Scan# 2952
Delta R.T. 0.003 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

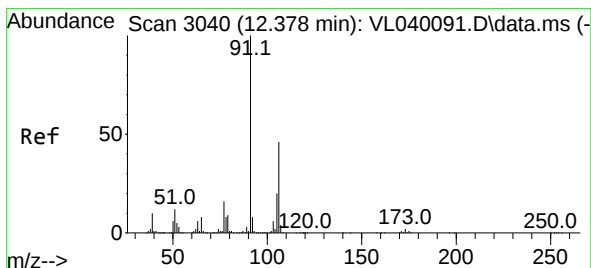
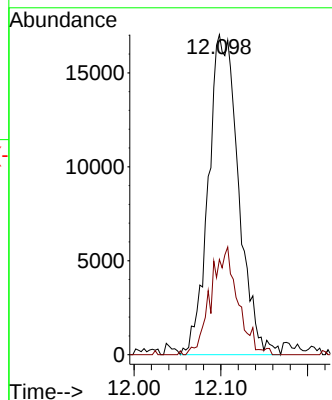
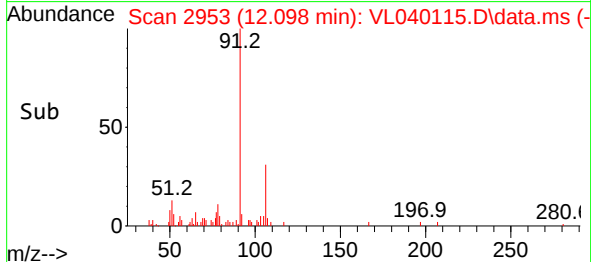
Instrument :
MSVOA_L
ClientSampleId :
VP-3



Tgt Ion: 91 Resp: 41120
Ion Ratio Lower Upper
91 100
106 29.7 23.7 35.5

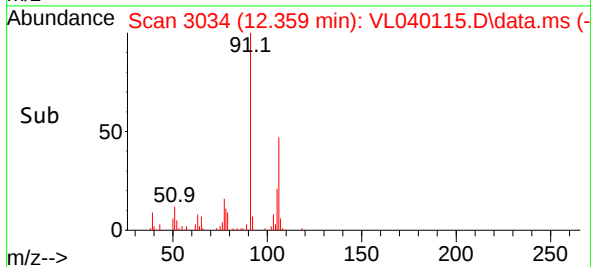
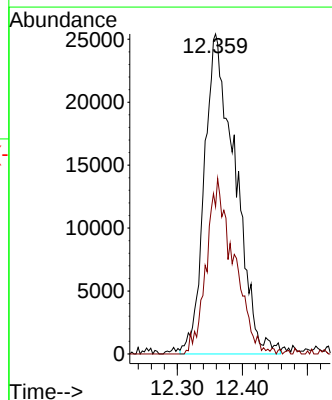
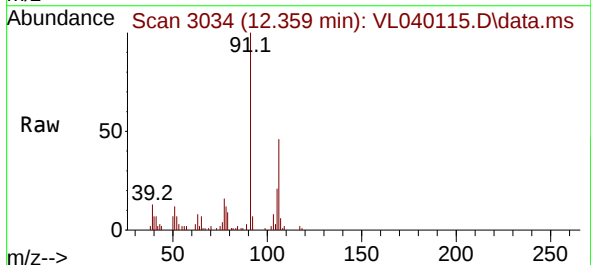
Manual Integrations
APPROVED

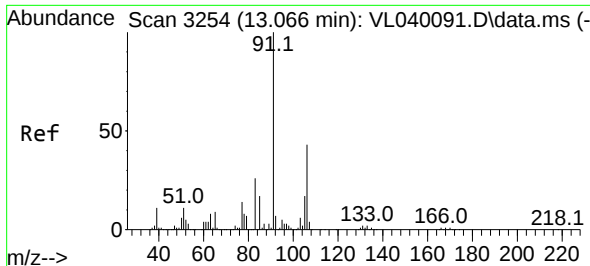
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#59
m/p-Xylene
Concen: 0.322 ppbv m
RT: 12.359 min Scan# 3034
Delta R.T. -0.019 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

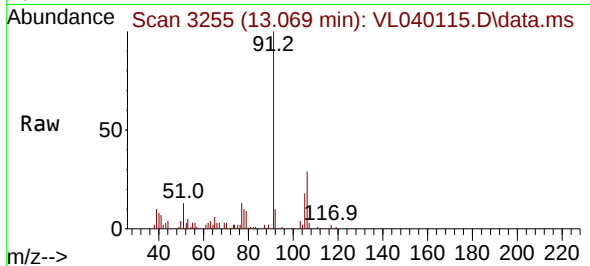
Tgt Ion: 91 Resp: 83560
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.4#





#60
o-Xylene
Concen: 0.139 ppbv m
RT: 13.069 min Scan# 31
Delta R.T. 0.003 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

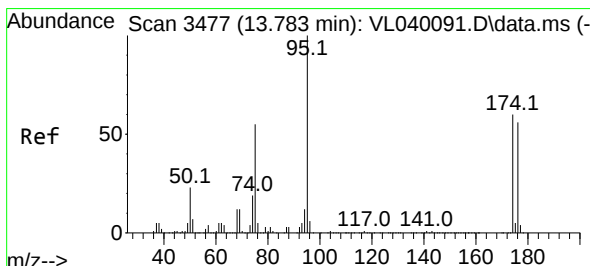
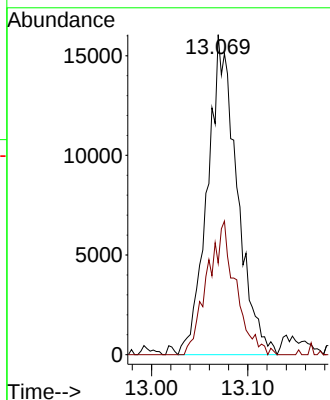
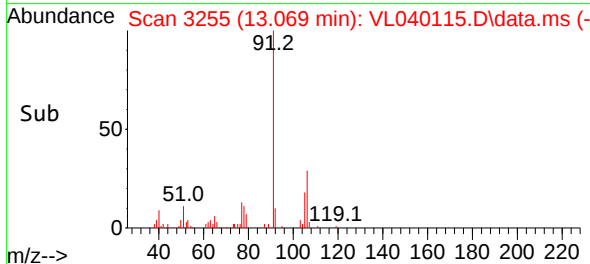
Instrument :
MSVOA_L
ClientSampleId :
VP-3



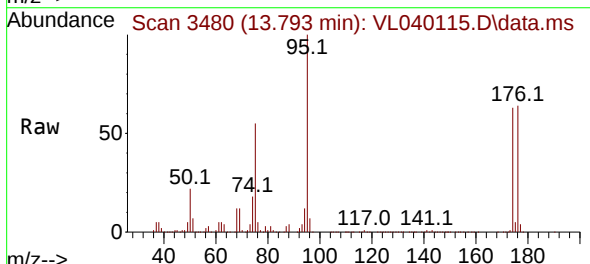
Tgt Ion: 91 Resp: 3424
Ion Ratio Lower Upper
91 100
106 40.1 21.6 64.8

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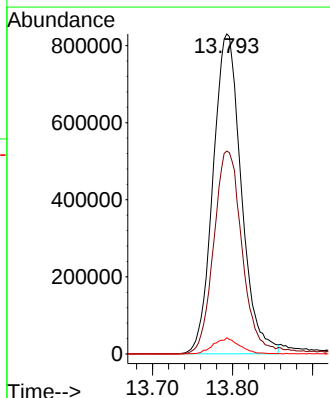
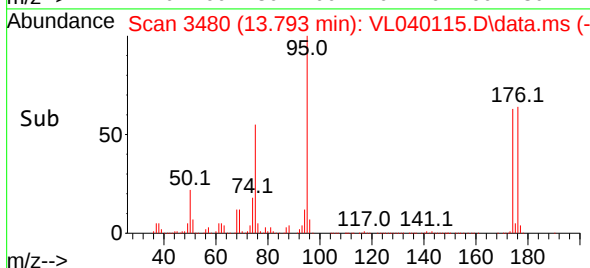
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

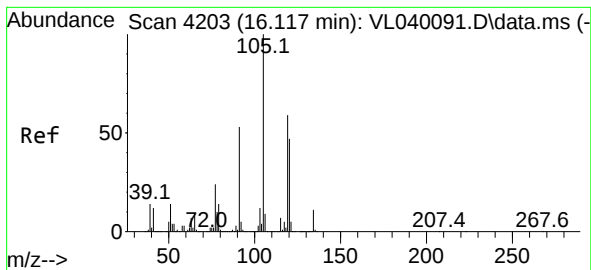


#68
1-Bromo-4-Fluorobenzene
Concen: 9.478 ppbv
RT: 13.793 min Scan# 3480
Delta R.T. 0.010 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14



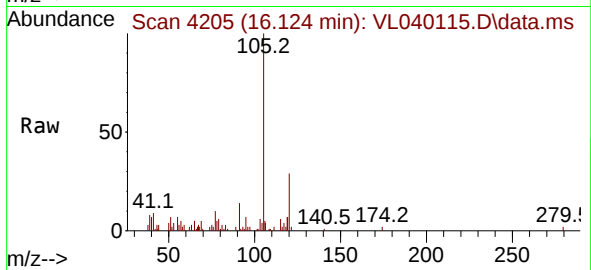
Tgt Ion: 95 Resp: 2034328
Ion Ratio Lower Upper
95 100
174 65.9 47.7 71.5
175 4.7 3.4 5.2





#74
1,2,4-Trimethylbenzene
Concen: 0.142 ppbv m
RT: 16.124 min Scan# 41
Delta R.T. 0.006 min
Lab File: VL040115.D
Acq: 19 Jan 2023 16:14

Instrument :
MSVOA_L
ClientSampleId :
VP-3



Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.0	38.0	57.0
91	14.4	42.1	63.1
77	9.5	19.3	28.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

