

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
 Data File : VL040113.D
 Acq On : 19 Jan 2023 14:58
 Operator : SY/MD
 Sample : 01223-01DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1DL

Manual Integrations
 APPROVED

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

Quant Time: Jan 20 02:06:56 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	5.192	49	1072636	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.655	114	2881715	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.478	117	2629372	10.000	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene 13.790 95 2220849 10.163 ppbv 0.00
 Spiked Amount 10.000 Range 65 - 135 Recovery = 101.600%

Target Compounds

						Qvalue
5) Vinyl Chloride	2.909	62	2861	0.042	ppbv	98
9) Propene	2.697	41	380880m	7.125	ppbv	
10) Heptane	7.587	43	56989m	0.463	ppbv	
13) Ethanol	3.250	45	8470	1.722	ppbv	77
15) Acetone	3.481	43	105230m	0.818	ppbv	
16) 1,3-Butadiene	2.967	39	13667m	0.228	ppbv	
20) Methylene Chloride	3.931	84	46807	0.825	ppbv	96
26) Hexane	5.211	57	98038	0.988	ppbv #	41
30) Cyclohexane	6.607	84	593030	7.521	ppbv	95
34) 2-Butanone	4.803	43	76731m	0.563	ppbv	
36) Benzene	6.375	78	69152	0.324	ppbv	98
44) 2,2,4-Trimethylpentane	7.333	57	5469256	15.422	ppbv #	75
53) Toluene	9.230	91	32530	0.143	ppbv	94
58) Ethyl Benzene	12.095	91	44677m	0.152	ppbv	
62) Isopropylbenzene	14.047	105	223270	0.620	ppbv	100
64) n-propylbenzene	14.941	120	39659m	0.443	ppbv	
67) sec-Butylbenzene	16.648	105	73698	0.169	ppbv	97

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

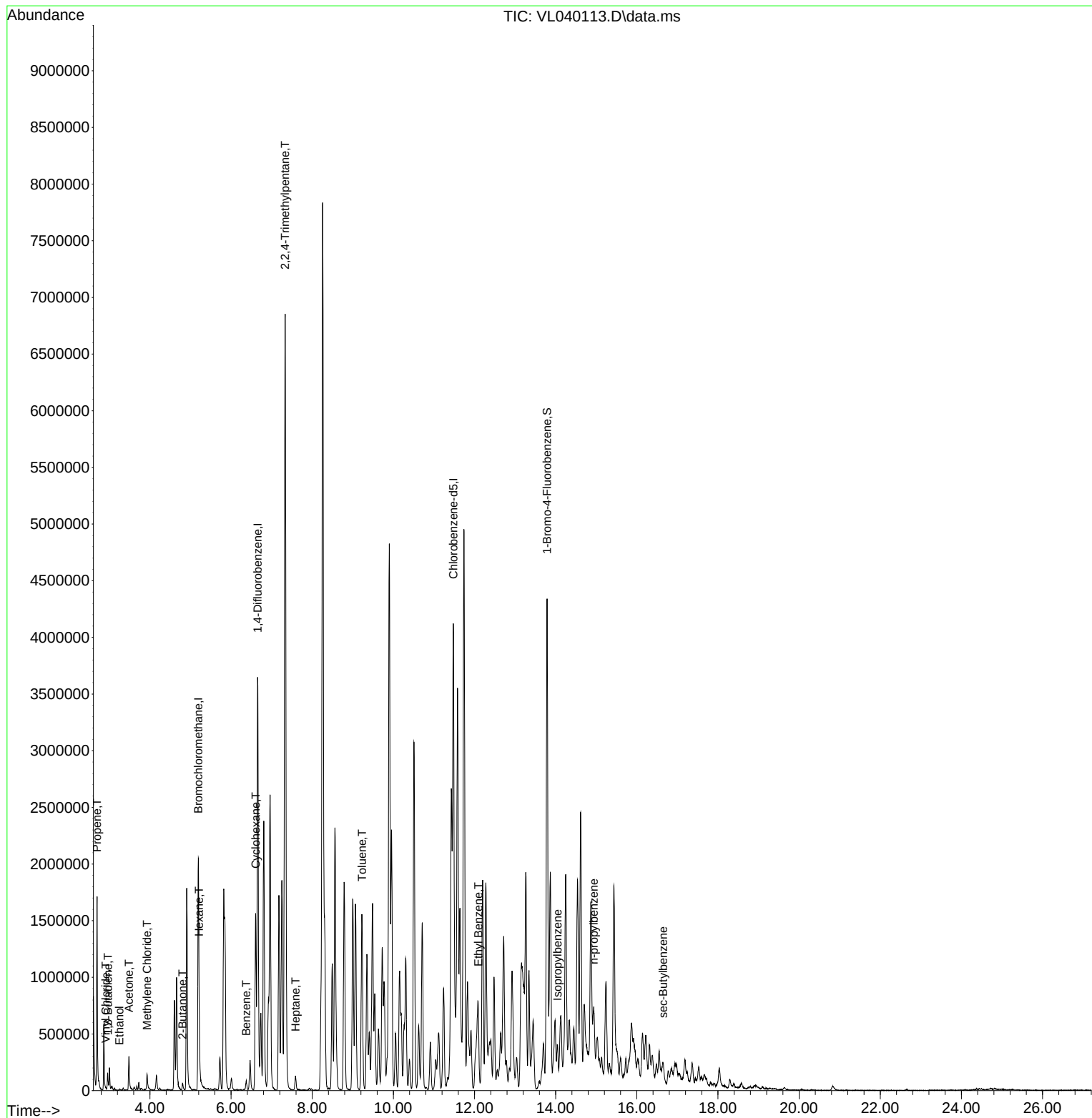
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL011923\
Data File : VL040113.D
Acq On : 19 Jan 2023 14:58
Operator : SY/MD
Sample : 01223-01DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

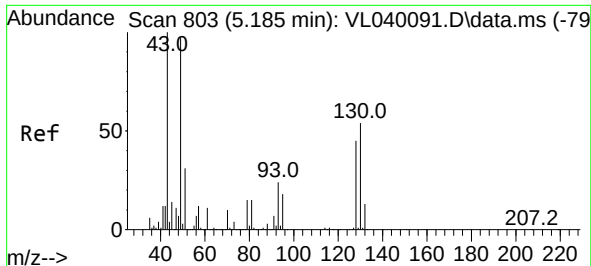
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL

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Supervised By :Mahesh Dadoda 01/20/2023

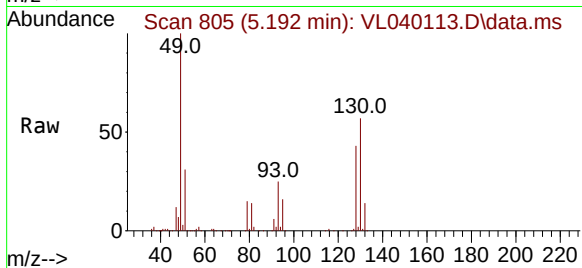
Quant Time: Jan 20 02:06:56 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL011623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Jan 16 14:40:47 2023
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.192 min Scan# 803
Delta R.T. 0.007 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

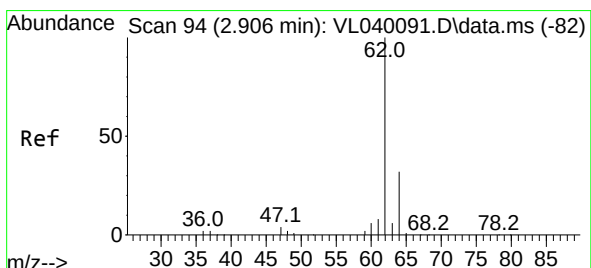
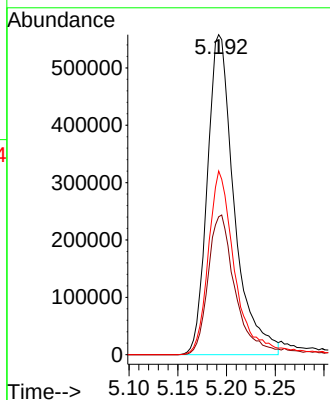
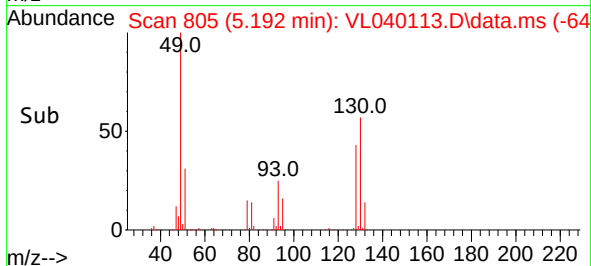
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



Tgt Ion: 49 Resp: 1072630
Ion Ratio Lower Upper
49 100
128 46.3 23.6 71.0
130 57.6 29.8 89.3

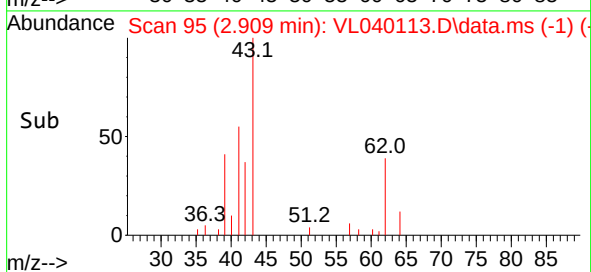
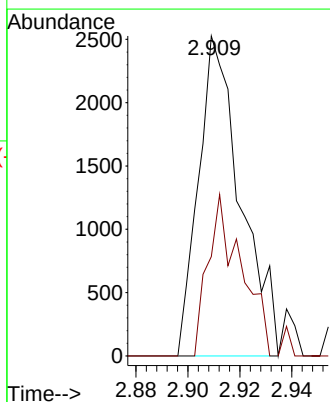
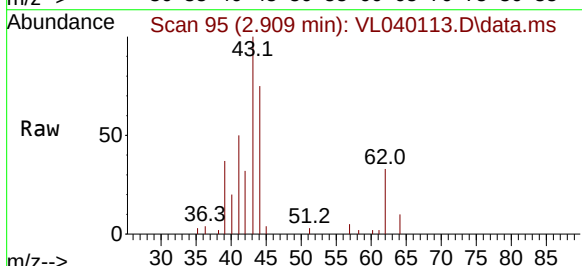
Manual Integrations
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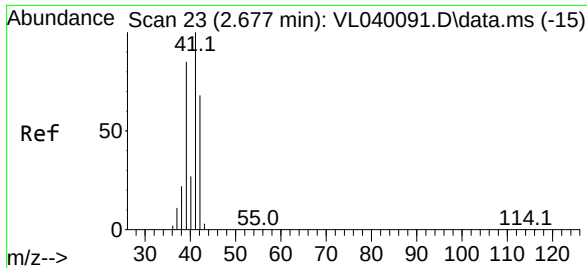
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#5
Vinyl Chloride
Concen: 0.042 ppbv
RT: 2.909 min Scan# 95
Delta R.T. 0.003 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

Tgt Ion: 62 Resp: 2861
Ion Ratio Lower Upper
62 100
64 31.1 25.8 38.6





#9

Propene

Concen: 7.125 ppbv m

RT: 2.697 min Scan# 24

Delta R.T. 0.019 min

Lab File: VL040113.D

Acq: 19 Jan 2023 14:58

Instrument :

MSVOA_L

ClientSampleId :

VP-1DL

Tgt Ion: 41 Resp: 380880

Ion Ratio Lower Upper

41 100

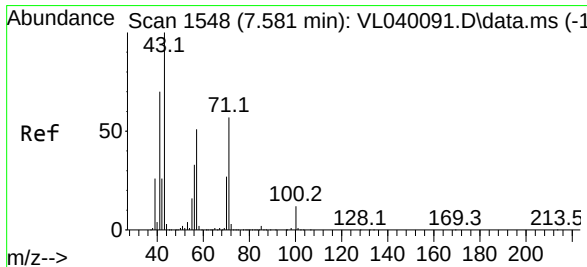
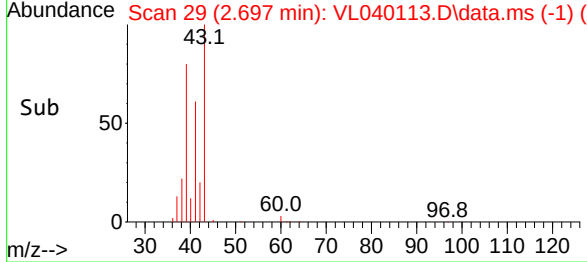
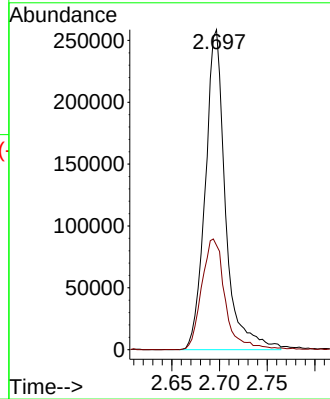
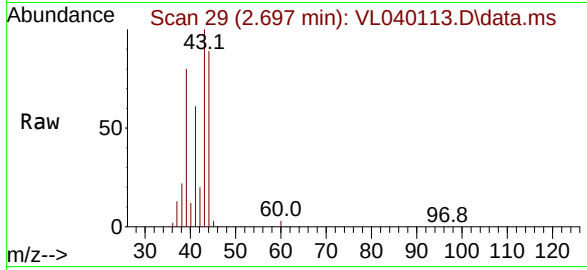
42 28.4 55.6 83.4

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 01/20/2023

Supervised By :Mahesh Dadoda 01/20/2023



#10

Heptane

Concen: 0.463 ppbv m

RT: 7.587 min Scan# 1550

Delta R.T. 0.006 min

Lab File: VL040113.D

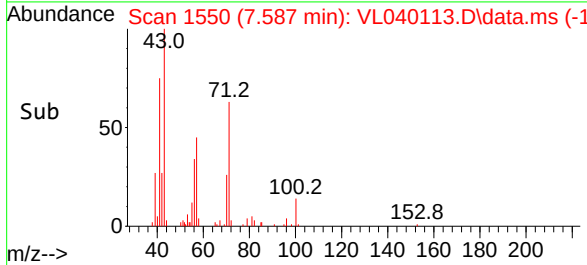
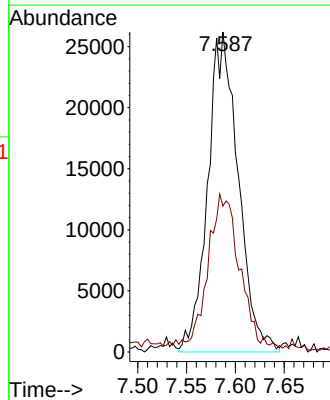
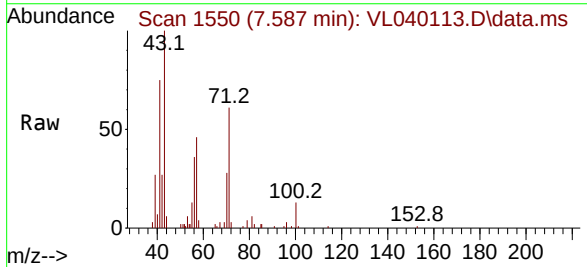
Acq: 19 Jan 2023 14:58

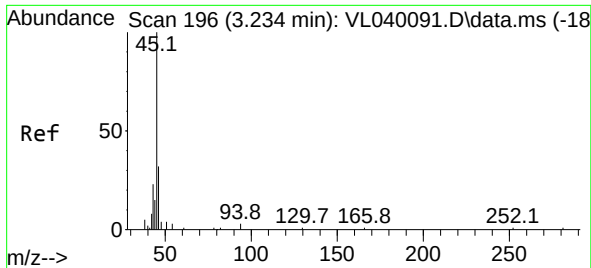
Tgt Ion: 43 Resp: 56989

Ion Ratio Lower Upper

43 100

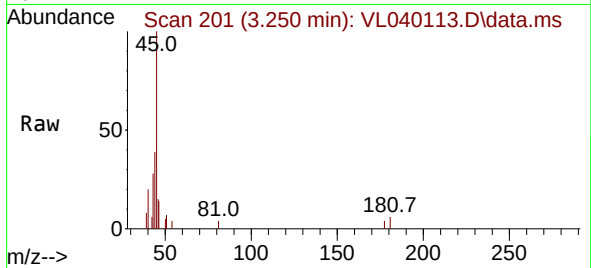
57 0.0 40.9 61.3





#13
Ethanol
Concen: 1.722 ppbv
RT: 3.250 min Scan# 201
Delta R.T. 0.016 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

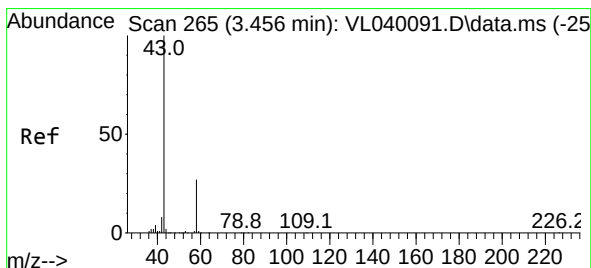
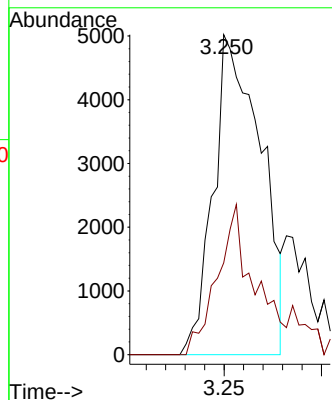
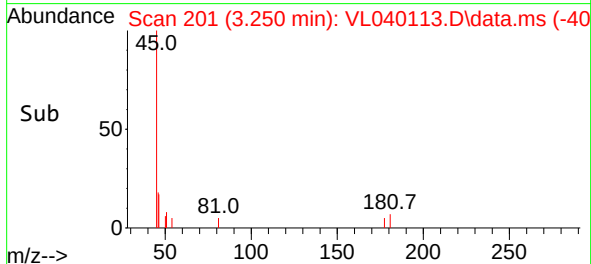
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



Tgt Ion: 45 Resp: 8470
Ion Ratio Lower Upper
45 100
46 50.8 14.8 59.2

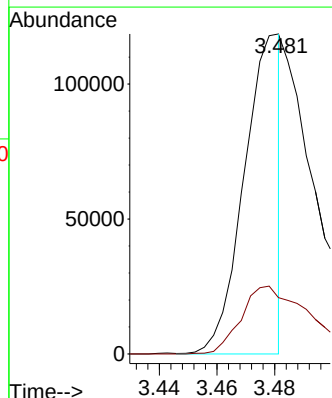
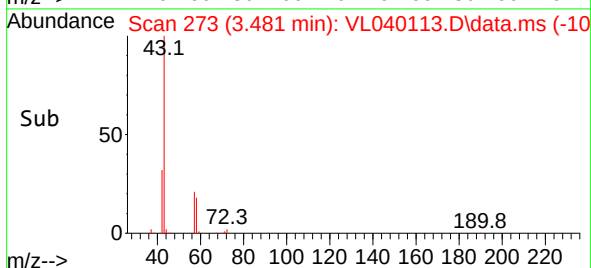
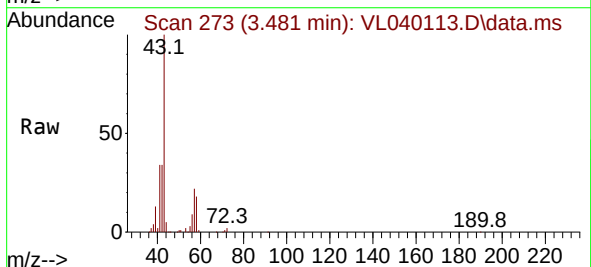
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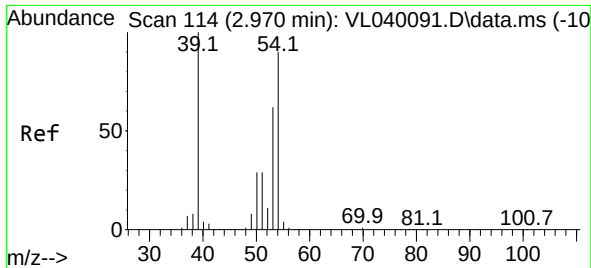
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#15
Acetone
Concen: 0.818 ppbv m
RT: 3.481 min Scan# 273
Delta R.T. 0.026 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

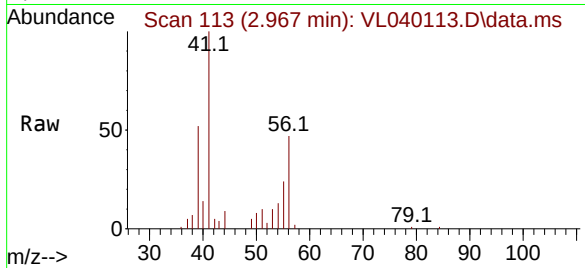
Tgt Ion: 43 Resp: 105230
Ion Ratio Lower Upper
43 100
58 48.6 21.8 32.8#





#16
1,3-Butadiene
Concen: 0.228 ppbv m
RT: 2.967 min Scan# 114
Delta R.T. -0.003 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

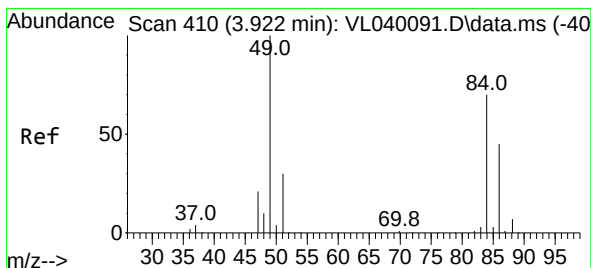
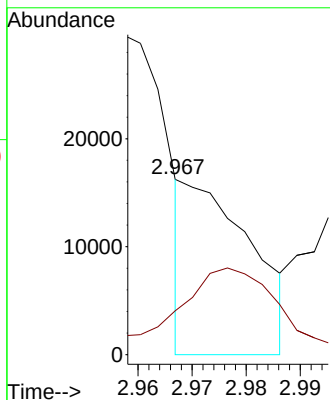
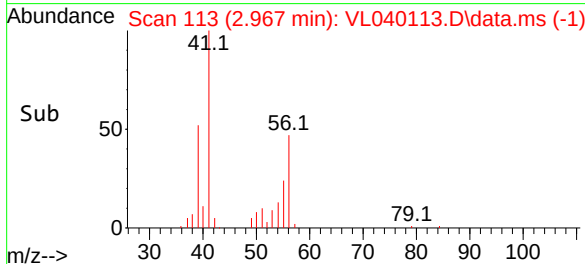
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



Tgt Ion: 39 Resp: 1366
Ion Ratio Lower Upper
39 100
54 0.0 67.9 101.9

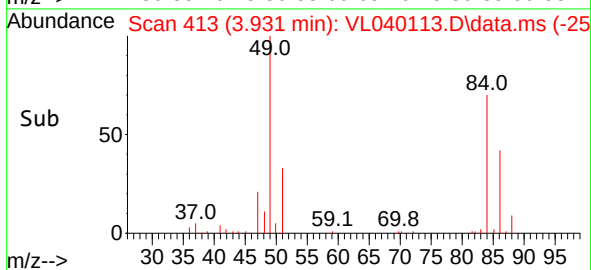
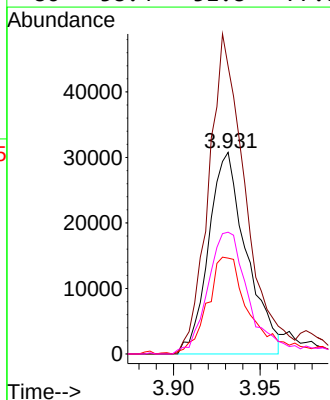
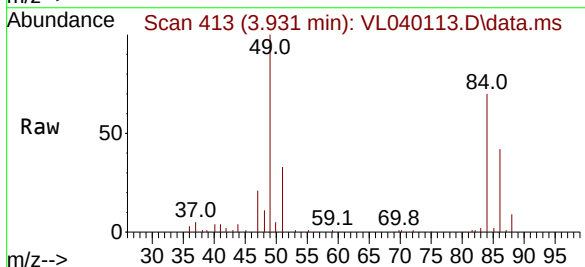
Manual Integrations
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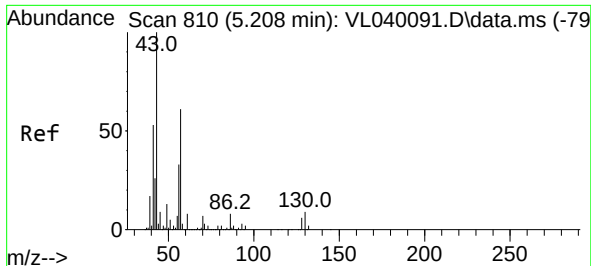
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#20
Methylene Chloride
Concen: 0.825 ppbv
RT: 3.931 min Scan# 413
Delta R.T. 0.010 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

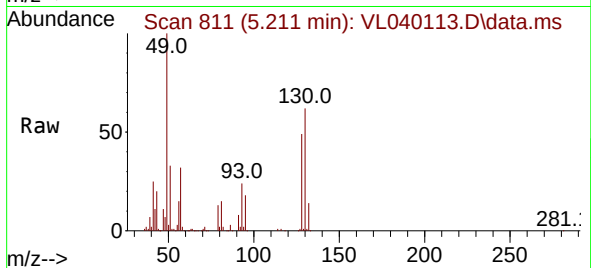
Tgt Ion: 84 Resp: 46807
Ion Ratio Lower Upper
84 100
49 142.0 114.6 171.8
51 46.2 34.3 51.5
86 58.4 51.8 77.8





#26
Hexane
Concen: 0.988 ppbv
RT: 5.211 min Scan# 810
Delta R.T. 0.003 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

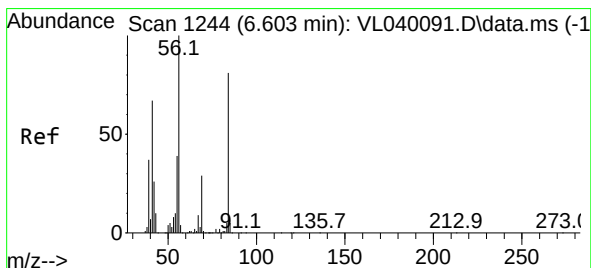
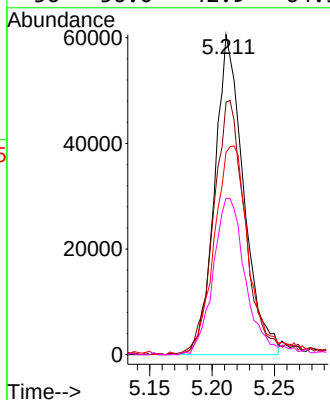
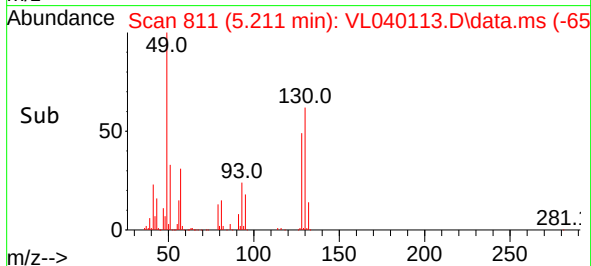
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



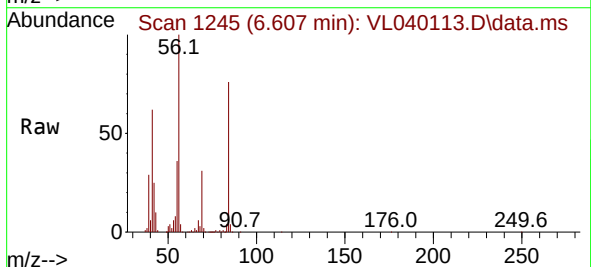
Tgt Ion: 57 Resp: 98030
Ion Ratio Lower Upper
57 100
41 88.6 72.2 108.4
43 81.1 192.1 288.1
56 56.0 42.9 64.3

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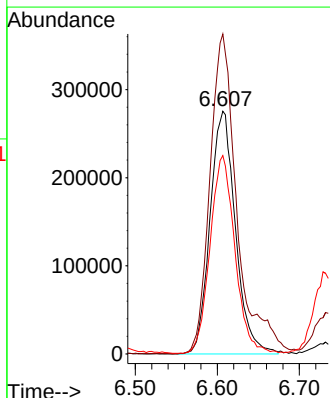
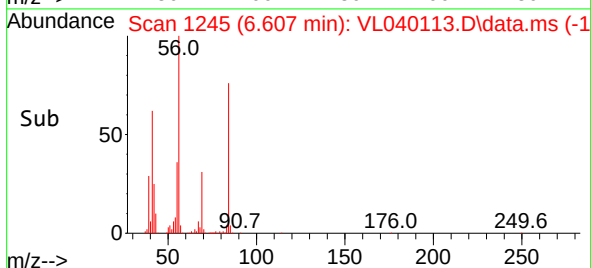
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

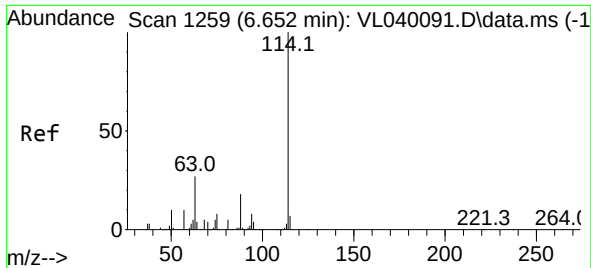


#30
Cyclohexane
Concen: 7.521 ppbv
RT: 6.607 min Scan# 1245
Delta R.T. 0.003 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58



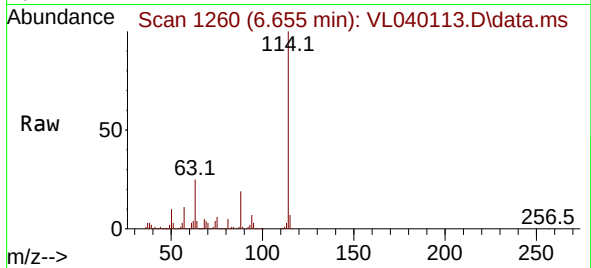
Tgt Ion: 84 Resp: 593030
Ion Ratio Lower Upper
84 100
56 141.4 111.5 167.3
41 79.6 71.4 107.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.655 min Scan# 114
Delta R.T. 0.003 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

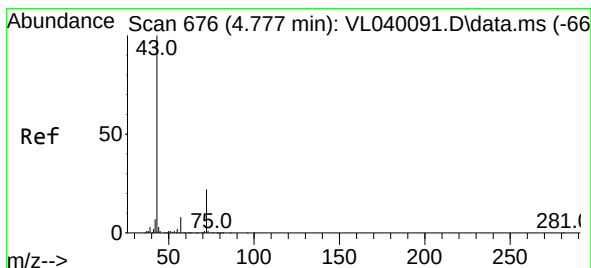
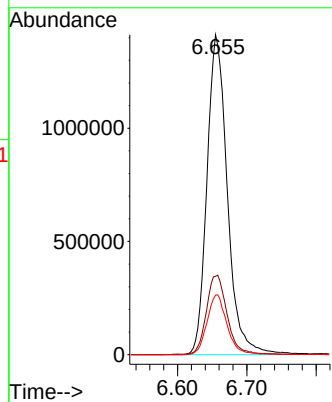
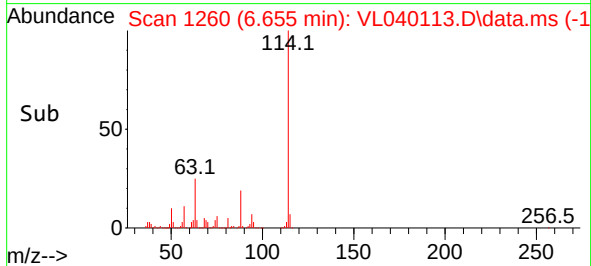
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



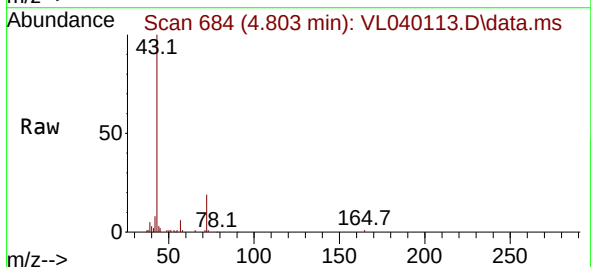
Tgt Ion:114 Resp: 288171
Ion Ratio Lower Upper
114 100
63 25.6 21.8 32.8
88 18.6 14.8 22.2

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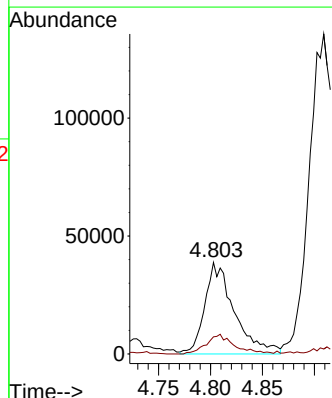
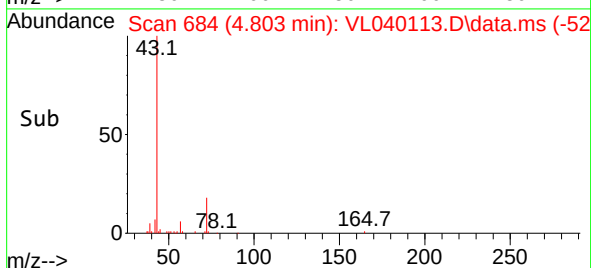
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

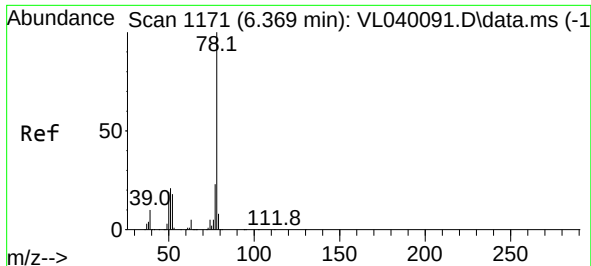


#34
2-Butanone
Concen: 0.563 ppbv m
RT: 4.803 min Scan# 684
Delta R.T. 0.026 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58



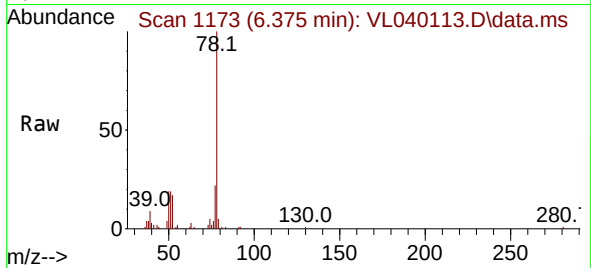
Tgt Ion: 43 Resp: 76731
Ion Ratio Lower Upper
43 100
72 1.8 18.4 27.6#





#36
Benzene
Concen: 0.324 ppbv
RT: 6.375 min Scan# 1173
Delta R.T. 0.006 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

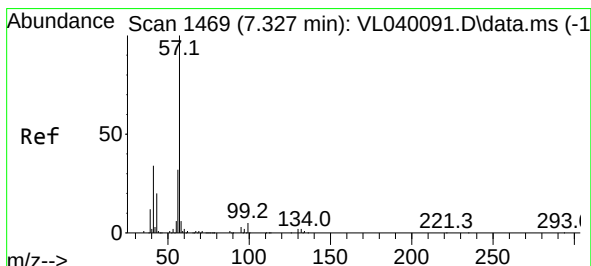
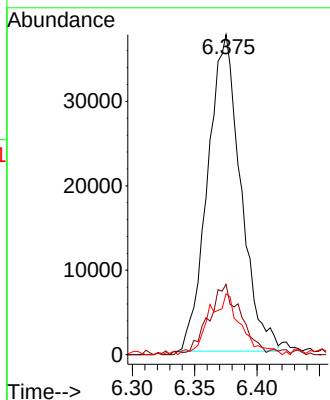
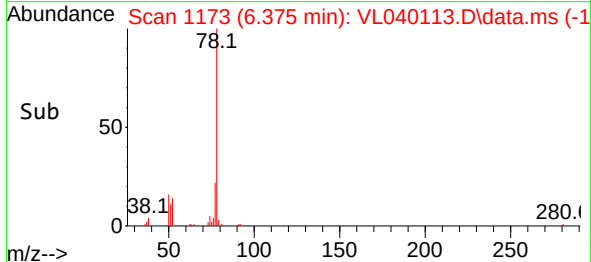
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



Tgt Ion: 78 Resp: 69152
Ion Ratio Lower Upper
78 100
77 21.1 18.1 27.1
50 19.2 15.6 23.4

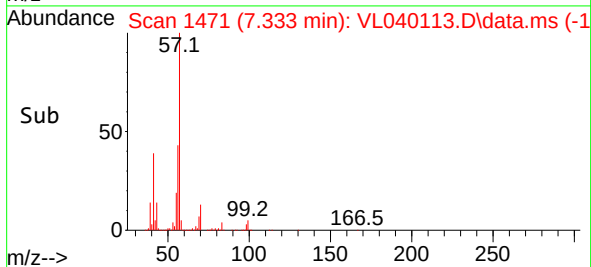
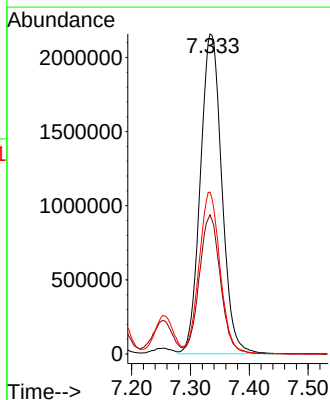
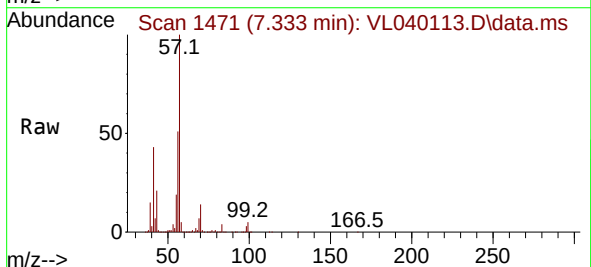
Manual Integrations
APPROVED

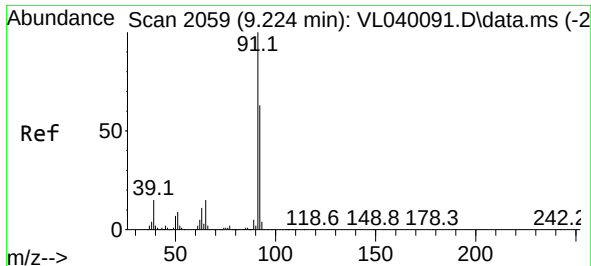
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#44
2,2,4-Trimethylpentane
Concen: 15.422 ppbv
RT: 7.333 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

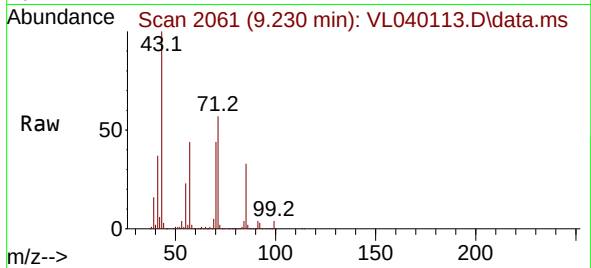
Tgt Ion: 57 Resp: 5469256
Ion Ratio Lower Upper
57 100
41 43.0 27.1 40.7#
56 49.9 25.0 37.4#





#53
Toluene
Concen: 0.143 ppbv
RT: 9.230 min Scan# 2059
Delta R.T. 0.006 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

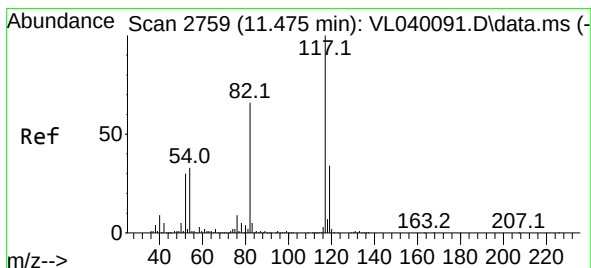
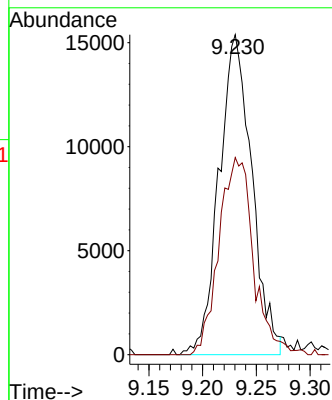
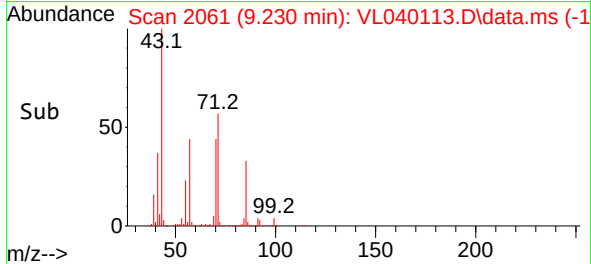
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



Tgt Ion: 91 Resp: 32530
Ion Ratio Lower Upper
91 100
92 65.2 48.3 72.5

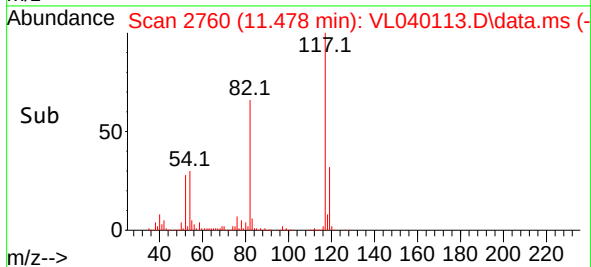
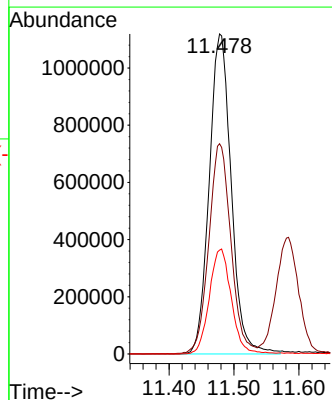
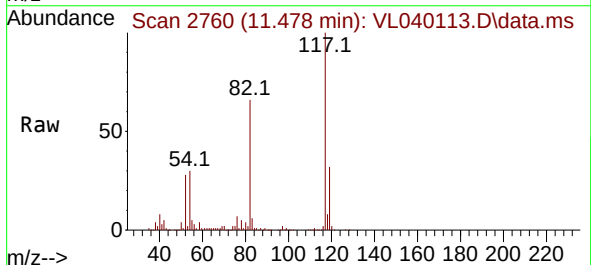
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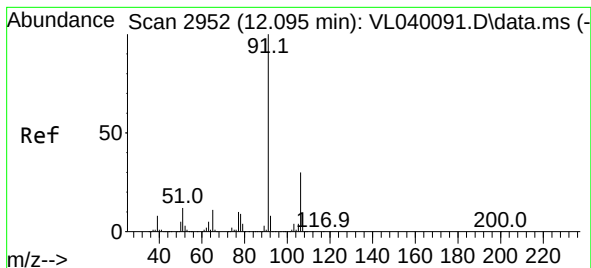
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.478 min Scan# 2760
Delta R.T. 0.003 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

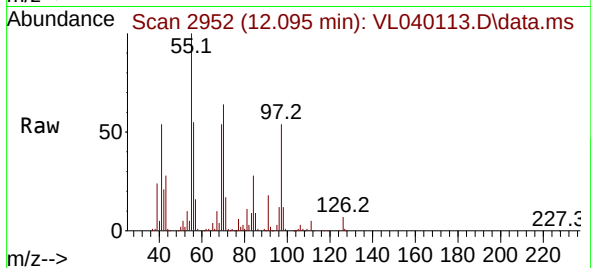
Tgt Ion:117 Resp: 2629372
Ion Ratio Lower Upper
117 100
82 65.9 54.4 81.6
119 33.2 26.8 40.2





#58
Ethyl Benzene
Concen: 0.152 ppbv m
RT: 12.095 min Scan# 2952
Delta R.T. 0.000 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

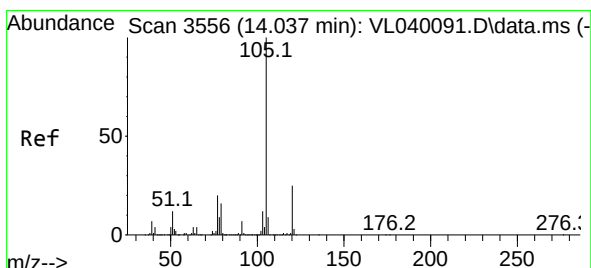
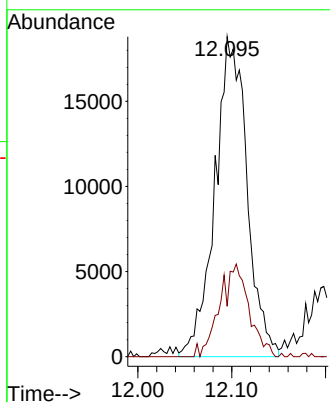
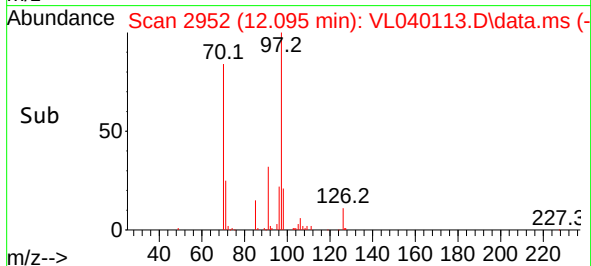
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



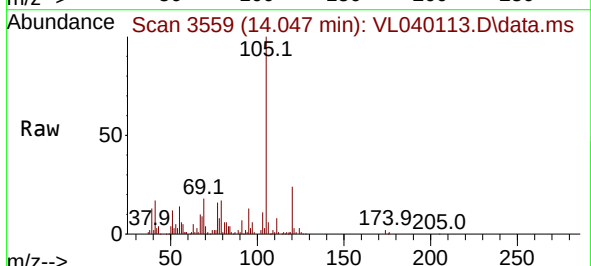
Tgt Ion: 91 Resp: 4467
Ion Ratio Lower Upper
91 100
106 15.7 23.7 35.5

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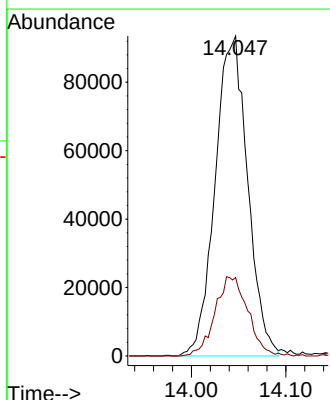
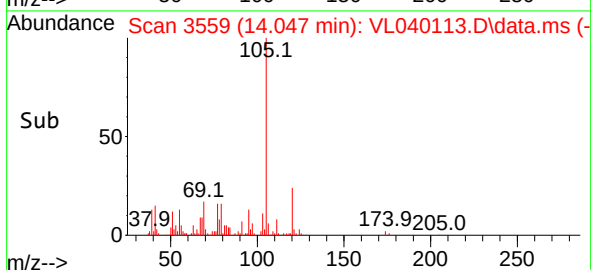
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023

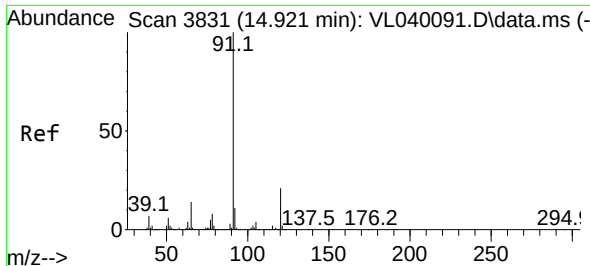


#62
Isopropylbenzene
Concen: 0.620 ppbv
RT: 14.047 min Scan# 3559
Delta R.T. 0.010 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58



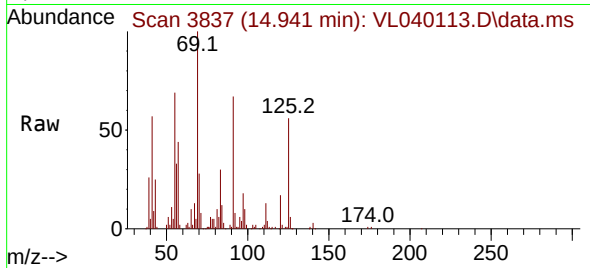
Tgt Ion:105 Resp: 223270
Ion Ratio Lower Upper
105 100
120 25.1 20.2 30.2





#64
n-propylbenzene
Concen: 0.443 ppbv m
RT: 14.941 min Scan# 3837
Delta R.T. 0.019 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

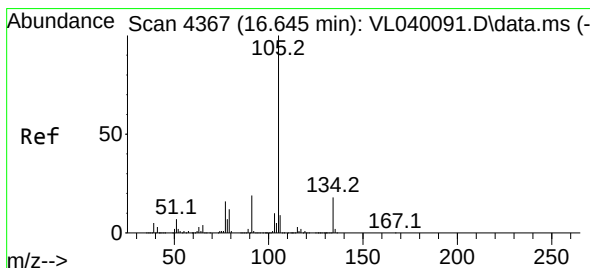
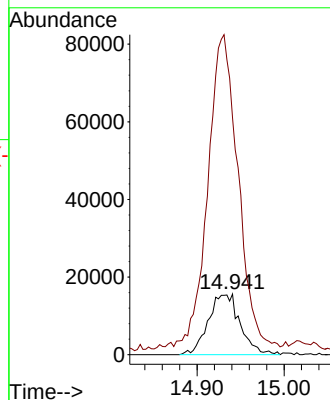
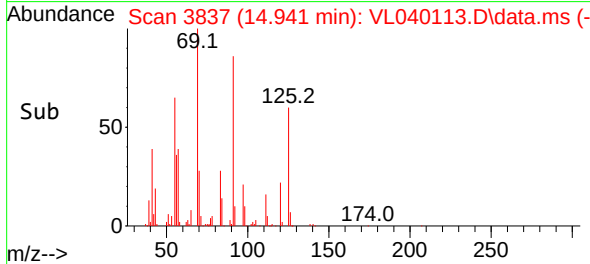
Instrument :
MSVOA_L
ClientSampleId :
VP-1DL



Tgt Ion:120 Resp: 39659
Ion Ratio Lower Upper
120 100
91 0.0 397.0 595.4

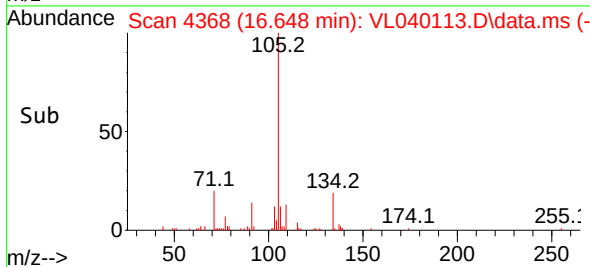
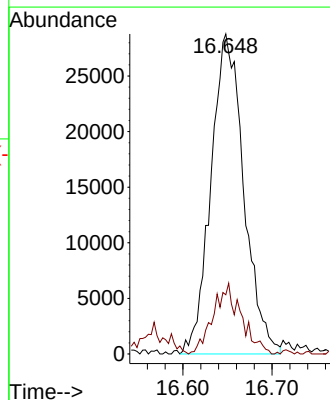
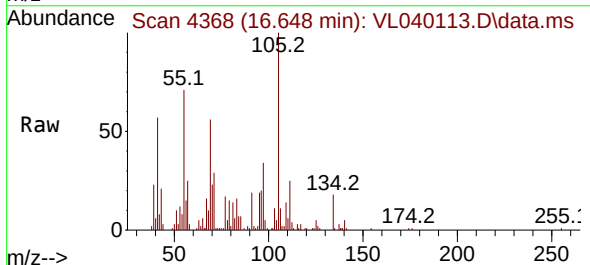
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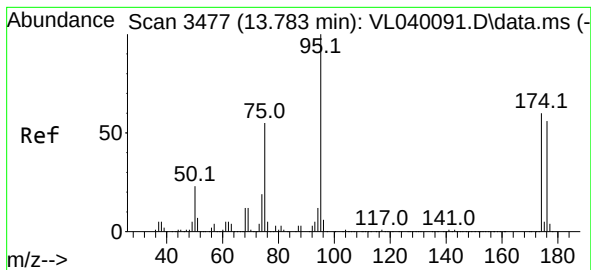
Reviewed By :Semsettin Yesilyurt 01/20/2023
Supervised By :Mahesh Dadoda 01/20/2023



#67
sec-Butylbenzene
Concen: 0.169 ppbv
RT: 16.648 min Scan# 4368
Delta R.T. 0.003 min
Lab File: VL040113.D
Acq: 19 Jan 2023 14:58

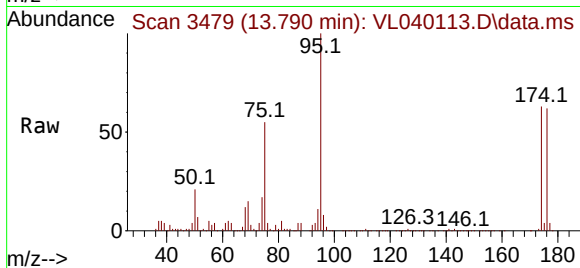
Tgt Ion:105 Resp: 73698
Ion Ratio Lower Upper
105 100
134 18.9 14.1 21.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.163 ppbv
 RT: 13.790 min Scan# 3479
 Delta R.T. 0.006 min
 Lab File: VL040113.D
 Acq: 19 Jan 2023 14:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-1DL



Tgt Ion: 95 Resp: 2220849
 Ion Ratio Lower Upper
 95 100
 174 61.1 47.7 71.5
 175 4.4 3.4 5.2

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

