

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
 Data File : VL040450.D
 Acq On : 16 May 2023 23:15
 Operator : SY/MD
 Sample : 02793-04DL 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-4DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023

Quant Time: May 17 05:18:51 2023

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M

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

QLast Update : Wed May 17 05:12:40 2023

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.208	49	931734	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.674	114	2306342	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.494	117	2120700	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.802	95	1777782	10.426	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.300%
Target Compounds						Qvalue
9) Propene	2.713	41	27014m	0.577	ppbv	
10) Heptane	7.603	43	32939m	0.304	ppbv	
13) Ethanol	3.259	45	44986m	12.680	ppbv	
15) Acetone	3.491	43	143793m	1.220	ppbv	
18) 1,1-Dichloroethene	3.896	96	13050m	0.244	ppbv	
20) Methylene Chloride	3.944	84	267738	5.099	ppbv	94
24) 1,1-Dichloroethane	4.578	63	22602	0.203	ppbv #	97
26) Hexane	5.227	57	154392	1.678	ppbv #	37
30) Cyclohexane	6.619	84	18632m	0.249	ppbv	
32) 1,1,1-Trichloroethane	6.021	97	176273	1.011	ppbv	98
36) Benzene	6.388	78	59681m	0.319	ppbv	
53) Toluene	9.250	91	138971	0.702	ppbv	98
58) Ethyl Benzene	12.118	91	46191m	0.172	ppbv	
59) m/p-Xylene	12.372	91	161553m	0.660	ppbv	
60) o-Xylene	13.089	91	56940	0.244	ppbv	100
72) 4-Ethyltoluene	15.224	105	32083m	0.121	ppbv	
73) 1,3,5-Trimethylbenzene	15.378	105	29877m	0.123	ppbv	
74) 1,2,4-Trimethylbenzene	16.137	105	78371m	0.281	ppbv	

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

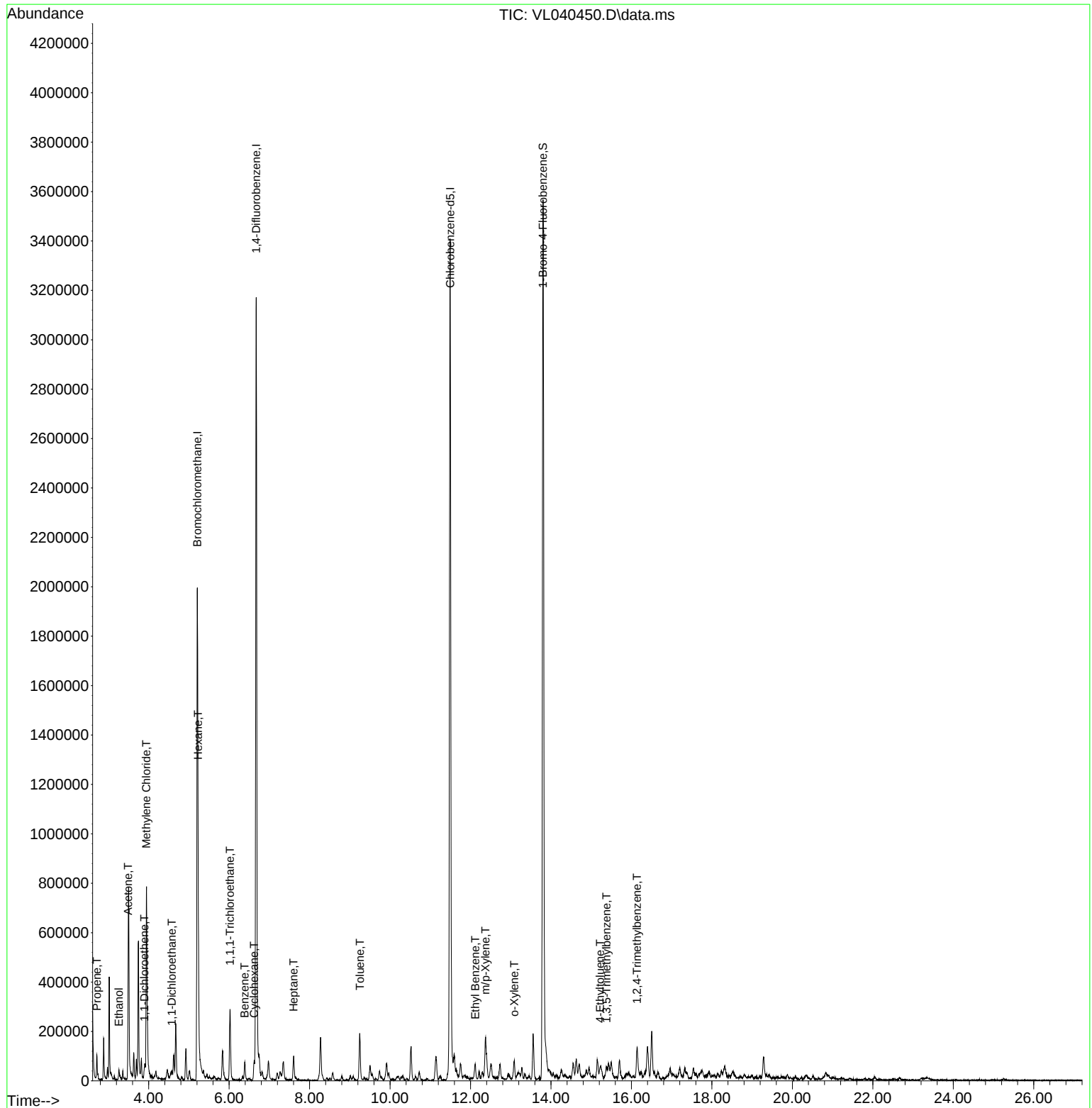
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL051623\
Data File : VL040450.D
Acq On : 16 May 2023 23:15
Operator : SY/MD
Sample : 02793-04DL 40X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

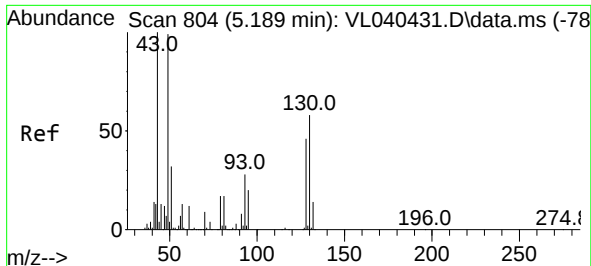
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Quant Time: May 17 05:18:51 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL051623AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Wed May 17 05:12:40 2023
Response via : Initial Calibration

Manual Integrations
APPROVED

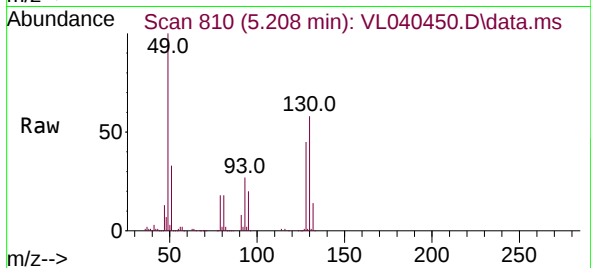
Reviewed By : Semsettin Yesilyurt 05/17/2023
Supervised By : Mahesh Dadoda 05/17/2023





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.208 min Scan# 81
Delta R.T. 0.003 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

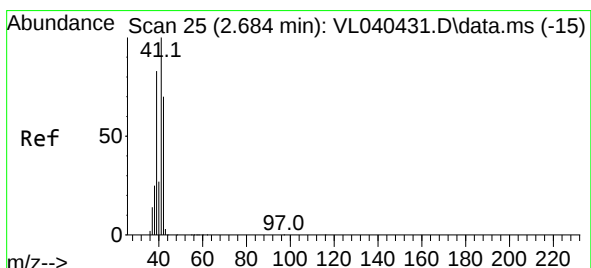
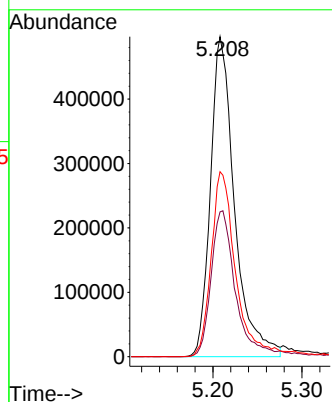
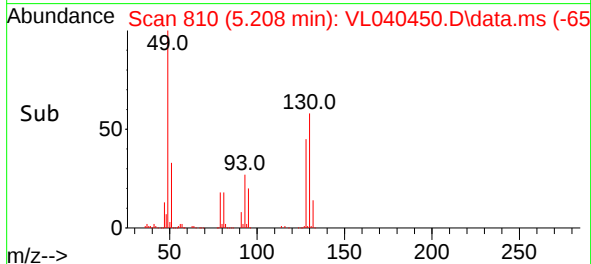
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL



Tgt Ion: 49 Resp: 931734
Ion Ratio Lower Upper
49 100
128 48.2 24.3 72.8
130 60.7 30.2 90.6

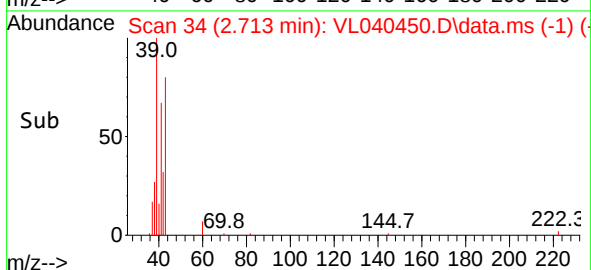
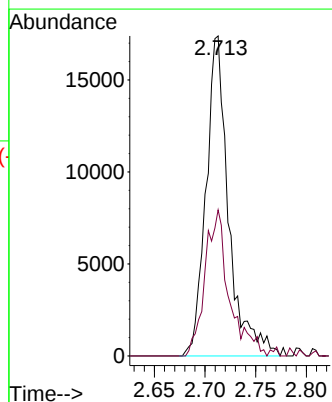
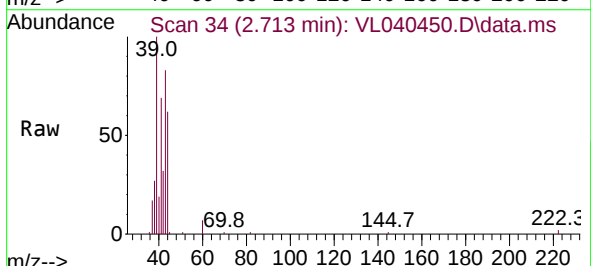
Manual Integrations
APPROVED

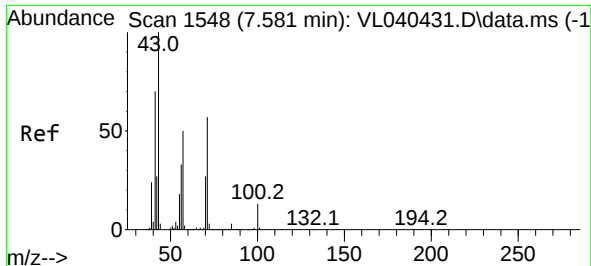
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#9
Propene
Concen: 0.577 ppbv m
RT: 2.713 min Scan# 34
Delta R.T. 0.019 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

Tgt Ion: 41 Resp: 27014
Ion Ratio Lower Upper
41 100
42 123.8 56.6 84.8#





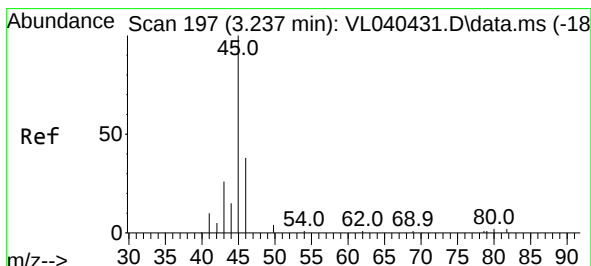
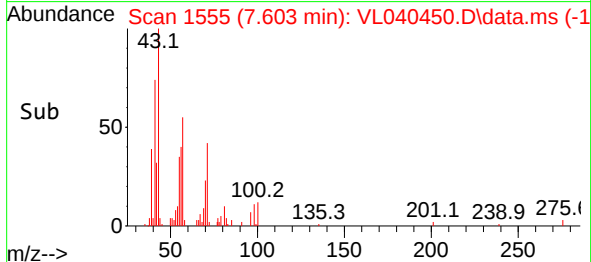
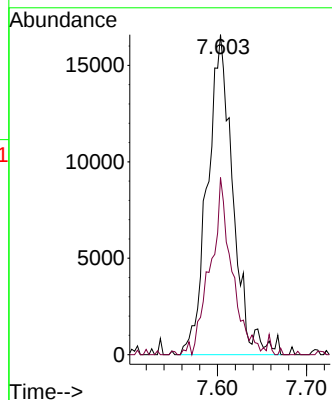
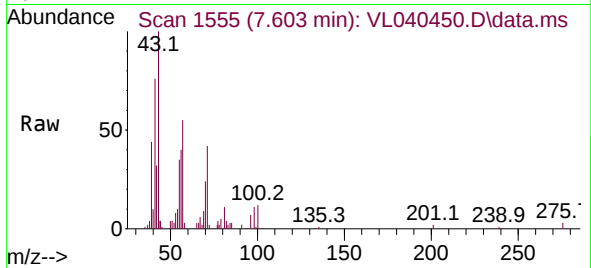
#10
Heptane
Concen: 0.304 ppbv m
RT: 7.603 min Scan# 11
Delta R.T. 0.007 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Tgt Ion: 43 Resp: 32939
Ion Ratio Lower Upper
43 100
57 48.4 42.2 63.2

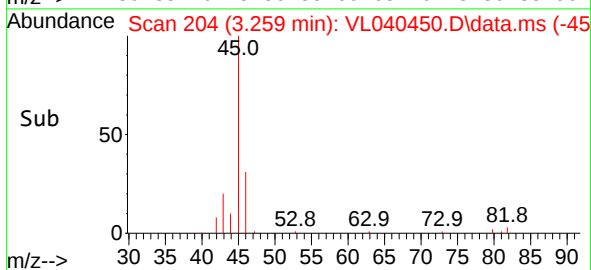
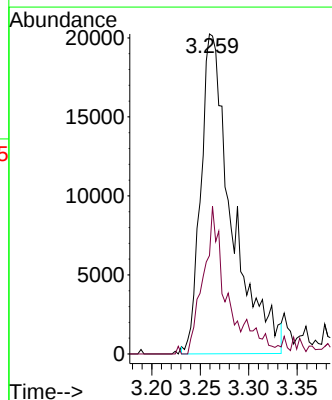
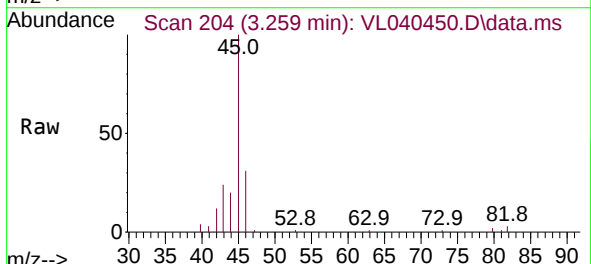
Manual Integrations
APPROVED

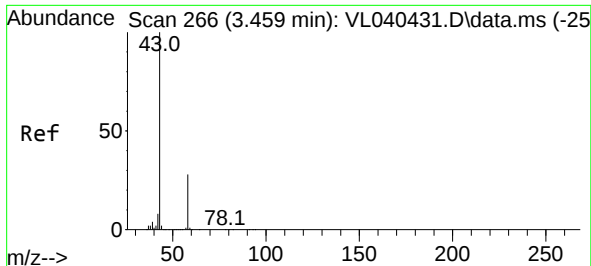
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#13
Ethanol
Concen: 12.680 ppbv m
RT: 3.259 min Scan# 204
Delta R.T. 0.010 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

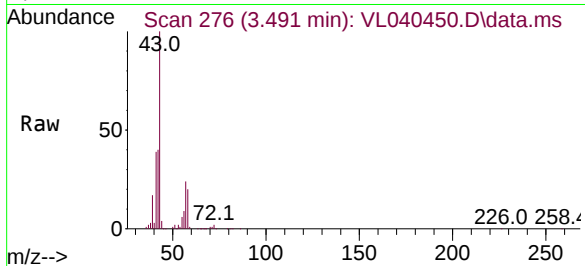
Tgt Ion: 45 Resp: 44986
Ion Ratio Lower Upper
45 100
46 38.5 13.2 52.8





#15
Acetone
Concen: 1.220 ppbv m
RT: 3.491 min Scan# 21
Delta R.T. 0.023 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

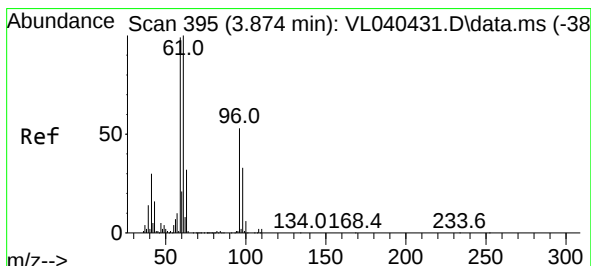
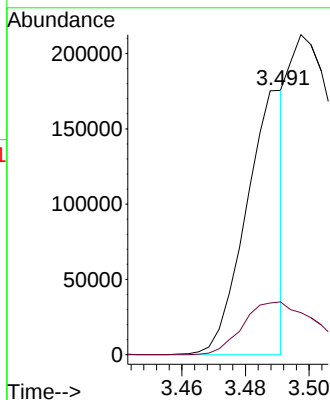
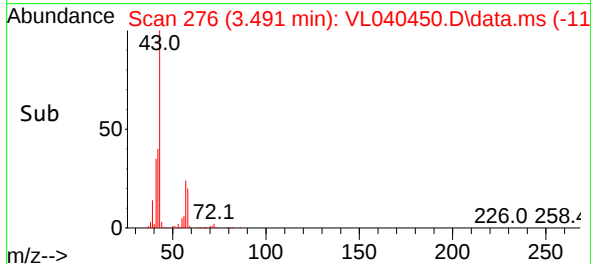
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL



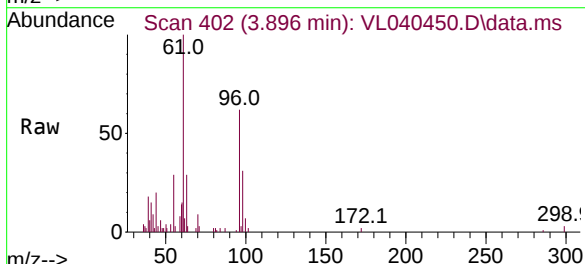
Tgt Ion: 43 Resp: 14379
Ion Ratio Lower Upper
43 100
58 48.0 22.2 33.4

Manual Integrations
APPROVED

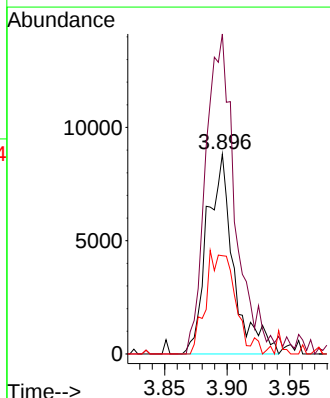
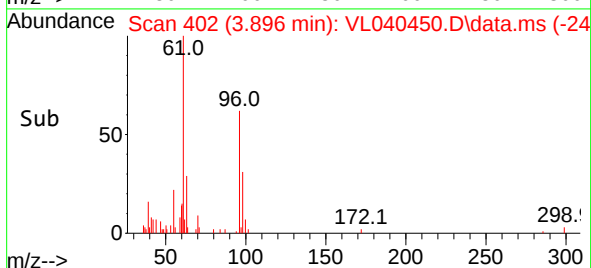
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023

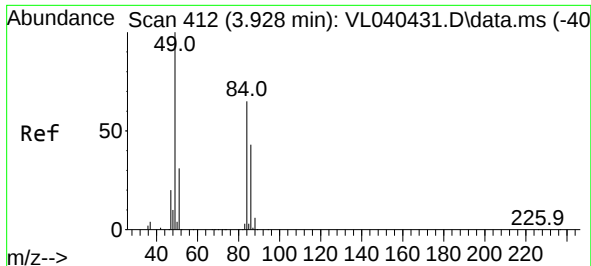


#18
1,1-Dichloroethene
Concen: 0.244 ppbv m
RT: 3.896 min Scan# 402
Delta R.T. 0.010 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15



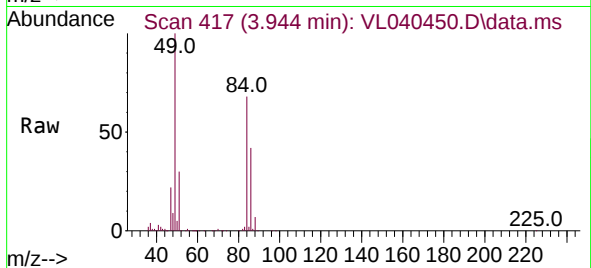
Tgt Ion: 96 Resp: 13050
Ion Ratio Lower Upper
96 100
61 160.2 151.8 227.8
98 49.1 50.5 75.7





#20
Methylene Chloride
Concen: 5.099 ppbv
RT: 3.944 min Scan# 412
Delta R.T. 0.007 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

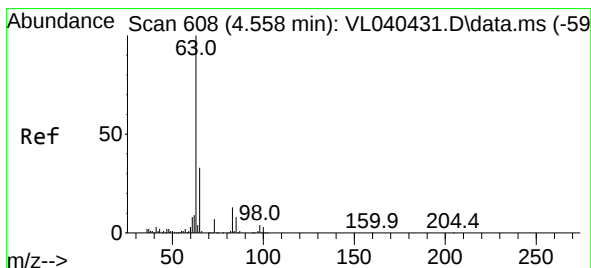
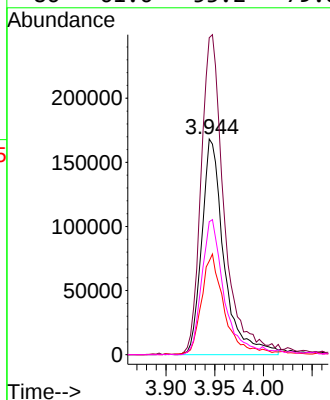
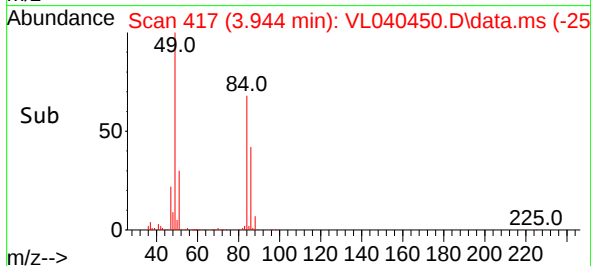
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL



Tgt Ion: 84 Resp: 267738
Ion Ratio Lower Upper
84 100
49 146.8 123.7 185.5
51 43.1 38.6 57.8
86 61.6 53.2 79.8

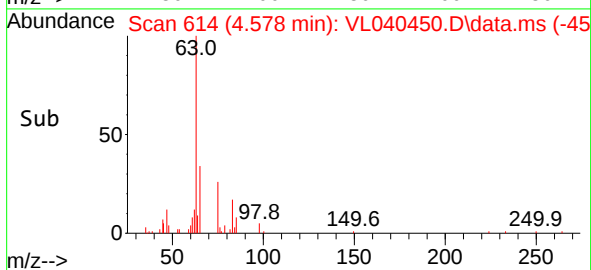
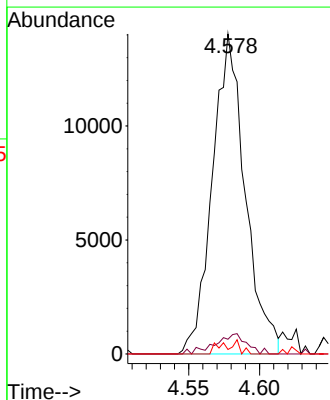
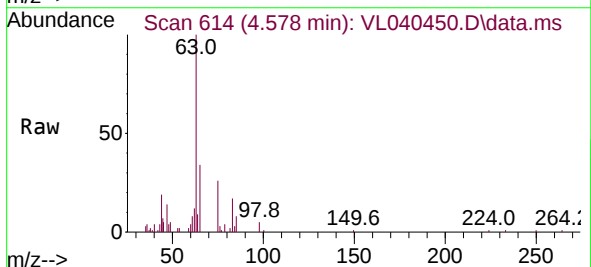
Manual Integrations
APPROVED

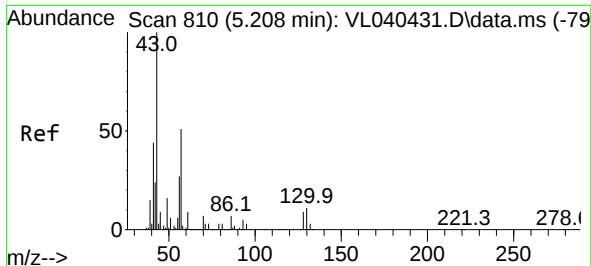
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#24
1,1-Dichloroethane
Concen: 0.203 ppbv
RT: 4.578 min Scan# 614
Delta R.T. 0.007 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

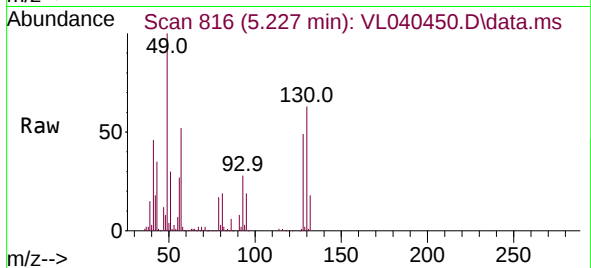
Tgt Ion: 63 Resp: 22602
Ion Ratio Lower Upper
63 100
98 4.2 2.0 5.8
100 1.3 1.4 4.2#





#26
Hexane
Concen: 1.678 ppbv
RT: 5.227 min Scan# 810
Delta R.T. 0.003 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

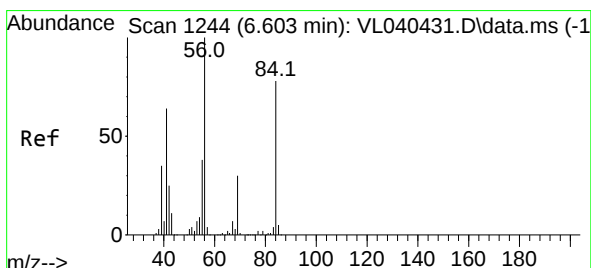
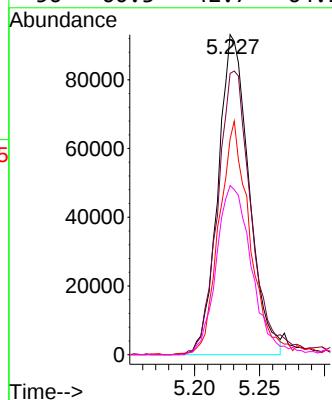
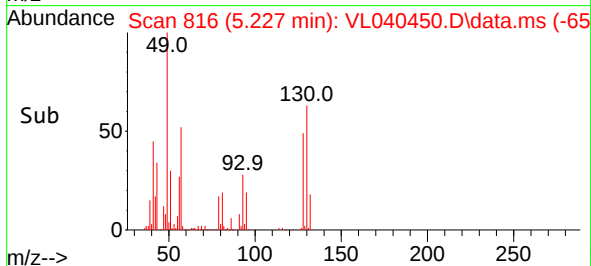
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL



Tgt Ion: 57	Resp: 154392
Ion Ratio	Lower Upper
57	100
41	96.3 75.1 112.7
43	73.8 194.4 291.6
56	60.3 42.7 64.1

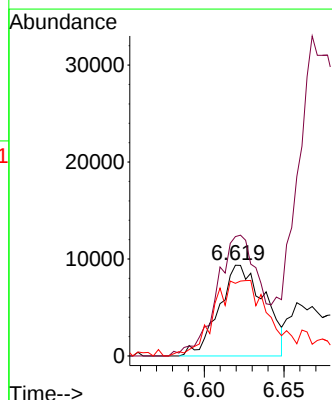
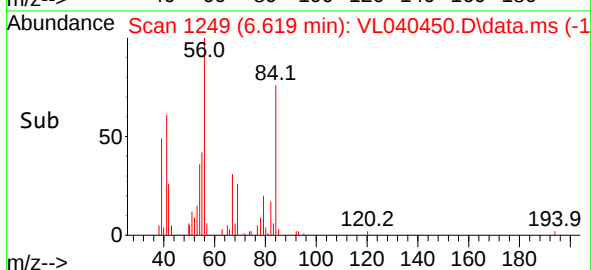
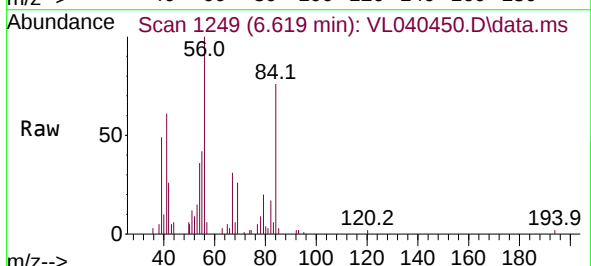
Manual Integrations
APPROVED

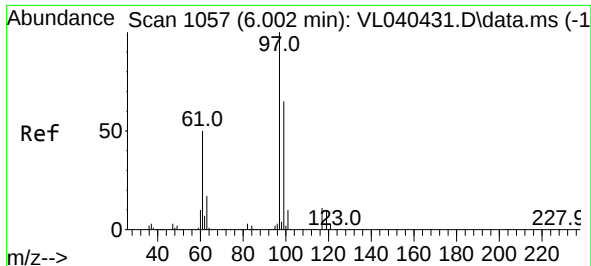
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#30
Cyclohexane
Concen: 0.249 ppbv m
RT: 6.619 min Scan# 1249
Delta R.T. 0.003 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

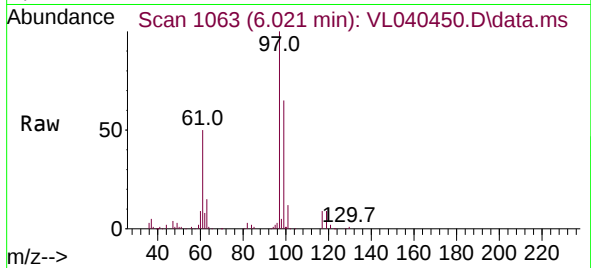
Tgt Ion: 84	Resp: 18632
Ion Ratio	Lower Upper
84	100
56	124.7 108.2 162.4
41	114.6 66.9 100.3





#32
1,1,1-Trichloroethane
Concen: 1.011 ppbv
RT: 6.021 min Scan# 1057
Delta R.T. 0.007 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

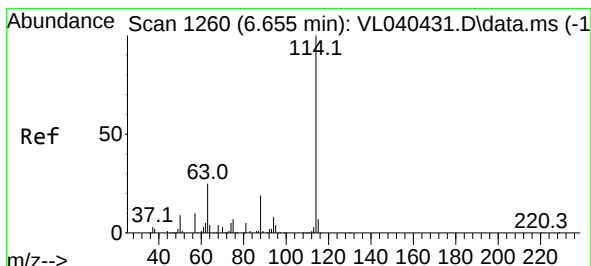
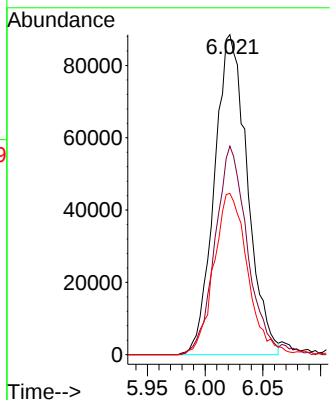
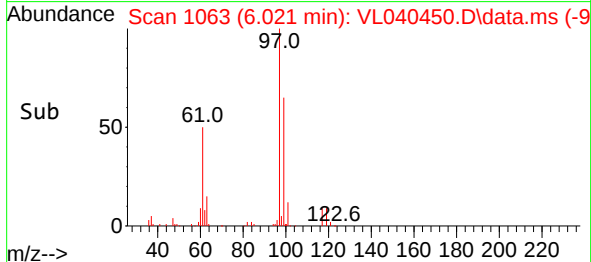
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL



Tgt Ion: 97 Resp: 17627
Ion Ratio Lower Upper
97 100
99 64.4 52.2 78.2
61 51.9 40.2 60.4

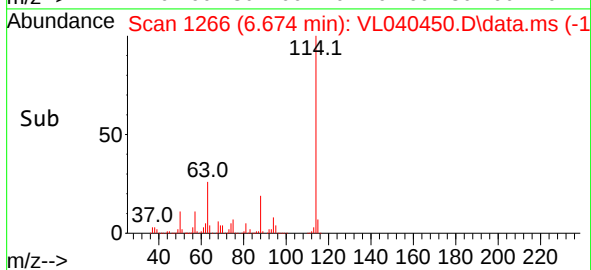
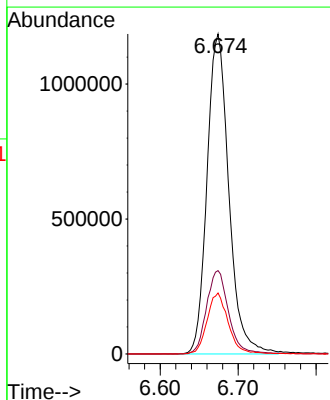
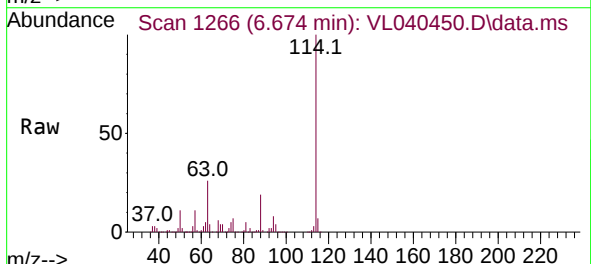
Manual Integrations
APPROVED

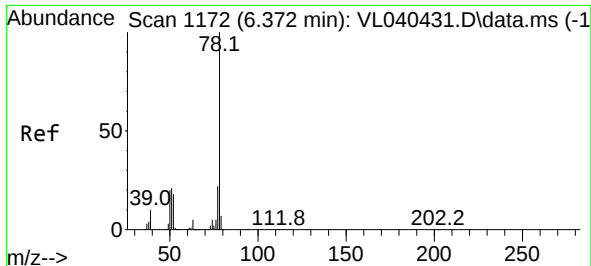
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.674 min Scan# 1266
Delta R.T. 0.003 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

Tgt Ion:114 Resp: 2306342
Ion Ratio Lower Upper
114 100
63 26.5 21.0 31.6
88 18.6 14.6 22.0





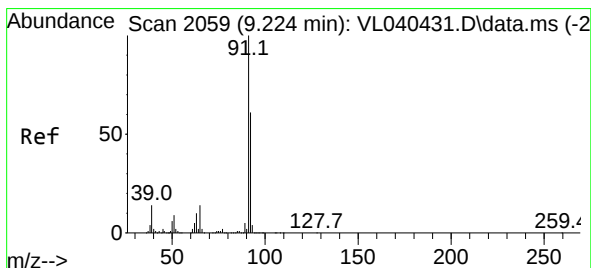
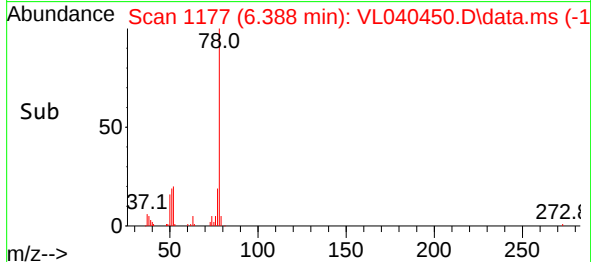
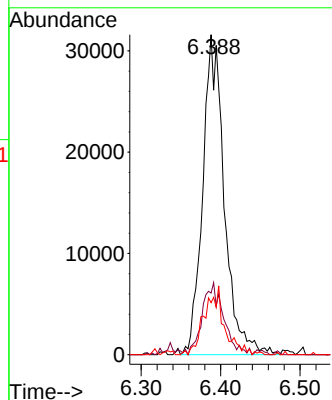
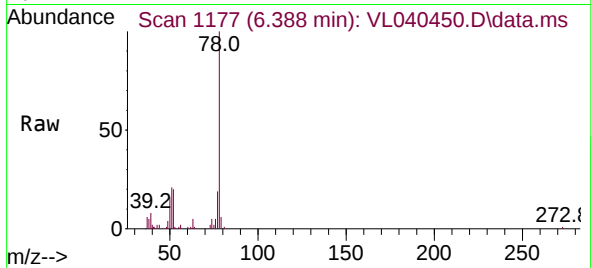
#36
Benzene
Concen: 0.319 ppbv m
RT: 6.388 min Scan# 1172
Delta R.T. 0.003 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

Instrument :
MSVOA_L
ClientSampleId :
SG-4DL

Tgt Ion: 78 Resp: 5968
Ion Ratio Lower Upper
78 100
77 19.3 17.7 26.5
50 16.3 15.8 23.8

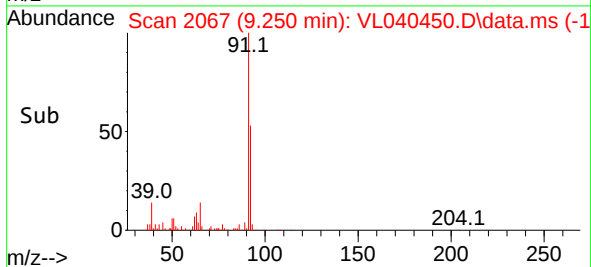
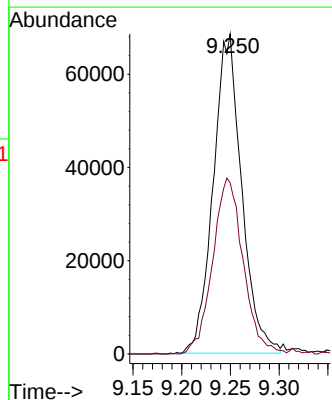
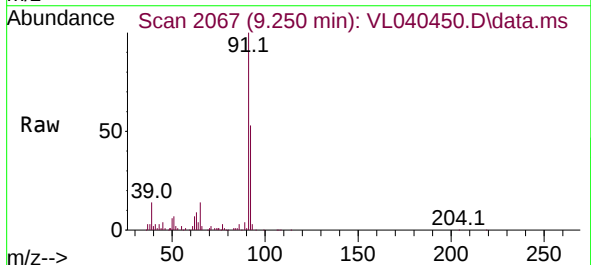
Manual Integrations
APPROVED

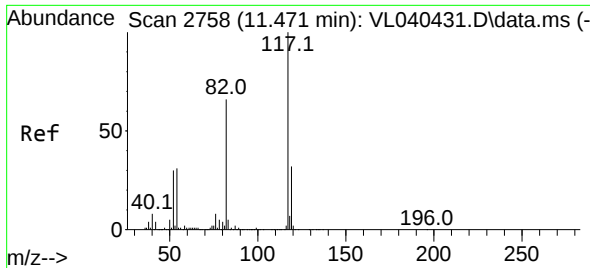
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#53
Toluene
Concen: 0.702 ppbv
RT: 9.250 min Scan# 2067
Delta R.T. 0.007 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

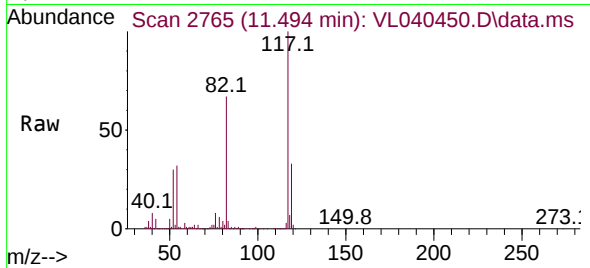
Tgt Ion: 91 Resp: 138971
Ion Ratio Lower Upper
91 100
92 59.6 49.1 73.7





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.494 min Scan# 21
Delta R.T. 0.003 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

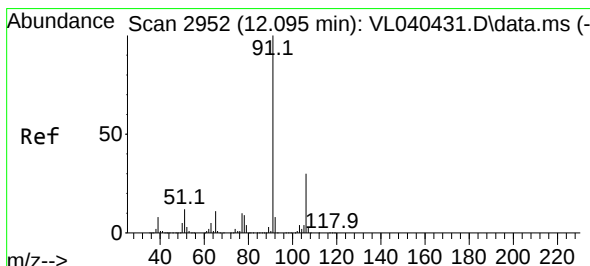
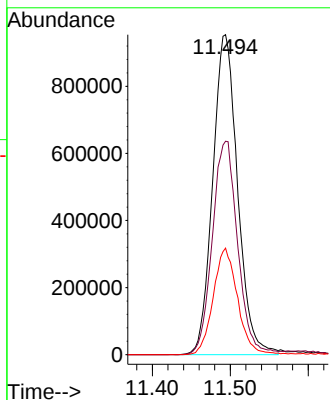
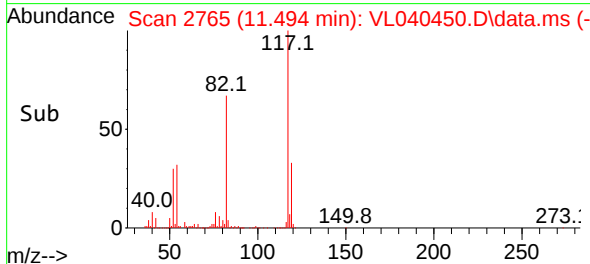
Instrument :
MSVOA_L
ClientSampleId :
SG-4DL



Tgt Ion:117 Resp: 2120700
Ion Ratio Lower Upper
117 100
82 67.9 52.5 78.7
119 32.6 24.0 36.0

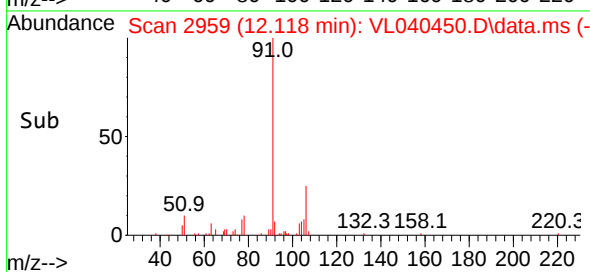
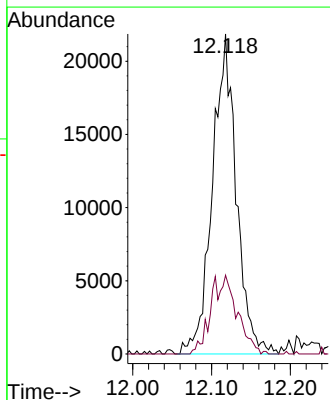
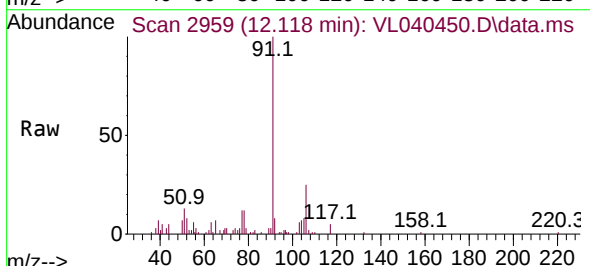
Manual Integrations
APPROVED

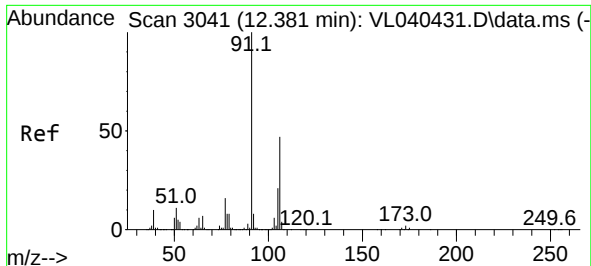
Reviewed By :Semsettin Yesilyurt 05/17/2023
Supervised By :Mahesh Dadoda 05/17/2023



#58
Ethyl Benzene
Concen: 0.172 ppbv m
RT: 12.118 min Scan# 2959
Delta R.T. 0.007 min
Lab File: VL040450.D
Acq: 16 May 2023 23:15

Tgt Ion: 91 Resp: 46191
Ion Ratio Lower Upper
91 100
106 24.6 23.8 35.8





#59

m/p-Xylene

Concen: 0.660 ppbv m

RT: 12.372 min Scan# 3041

Delta R.T. -0.026 min

Lab File: VL040450.D

Acq: 16 May 2023 23:15

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL

Tgt Ion: 91 Resp: 16155

Ion Ratio Lower Upper

91 100

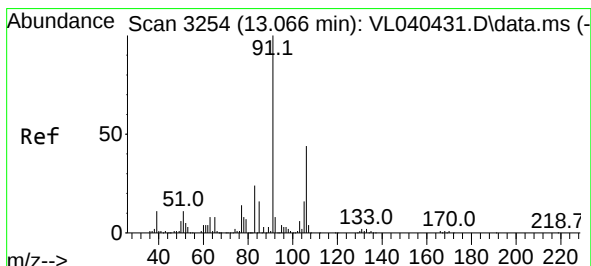
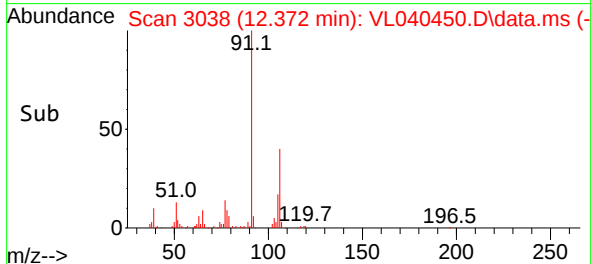
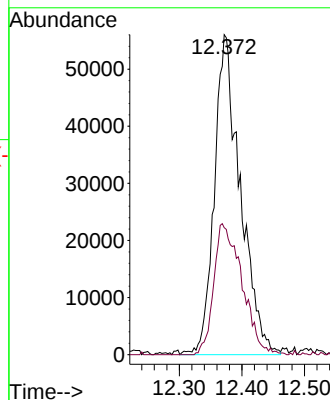
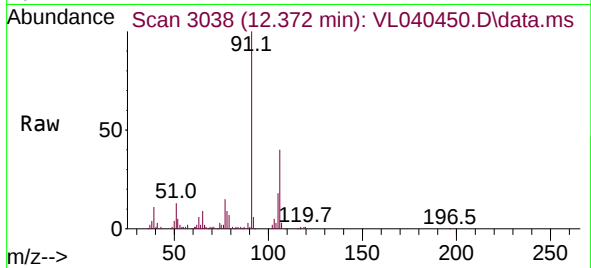
106 0.0 34.9 52.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#60

o-Xylene

Concen: 0.244 ppbv

RT: 13.089 min Scan# 3261

Delta R.T. 0.007 min

Lab File: VL040450.D

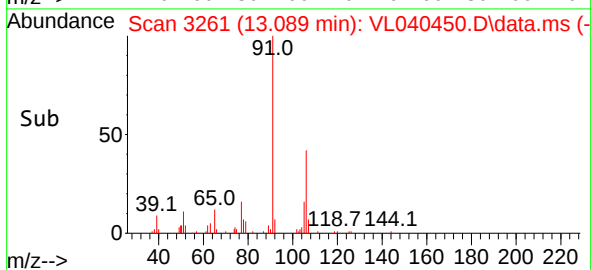
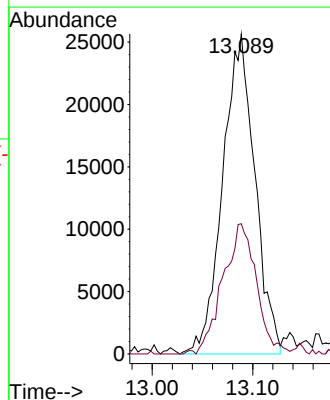
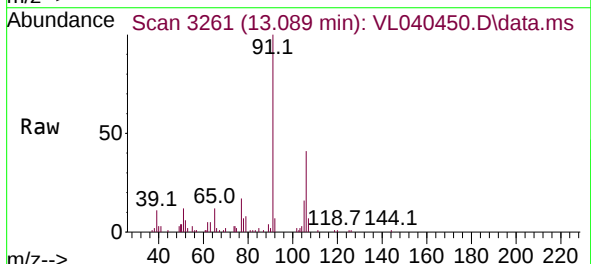
Acq: 16 May 2023 23:15

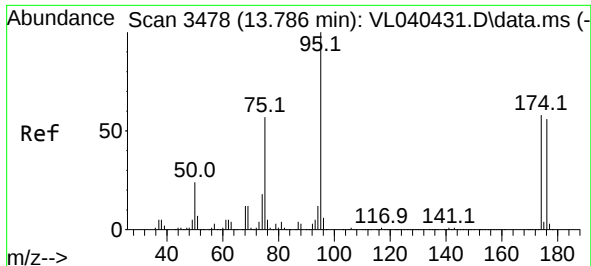
Tgt Ion: 91 Resp: 56940

Ion Ratio Lower Upper

91 100

106 43.4 21.8 65.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.426 ppbv

RT: 13.802 min Scan# 3478

Delta R.T. 0.003 min

Lab File: VL040450.D

Acq: 16 May 2023 23:15

Instrument :

MSVOA_L

ClientSampleId :

SG-4DL

Tgt Ion: 95 Resp: 177778

Ion Ratio Lower Upper

95 100

174 58.3 47.0 70.6

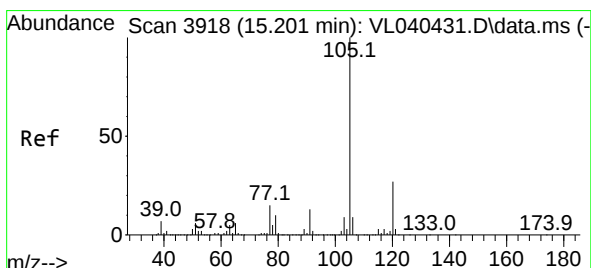
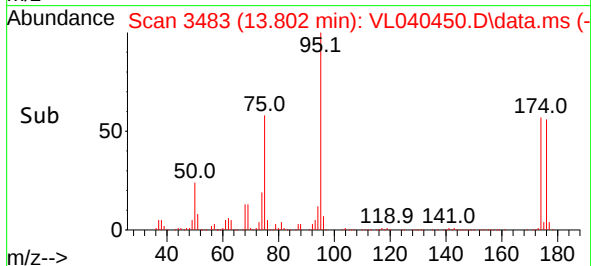
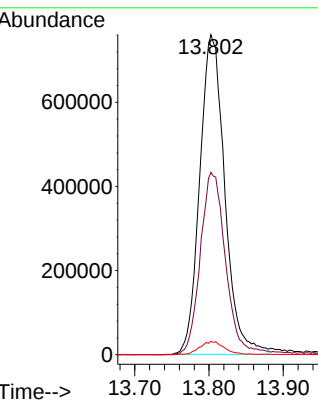
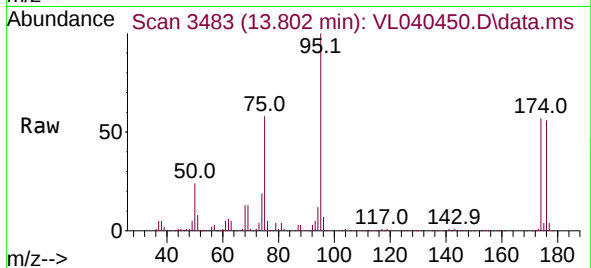
175 4.2 3.4 5.0

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023

Supervised By :Mahesh Dadoda 05/17/2023



#72

4-Ethyltoluene

Concen: 0.121 ppbv m

RT: 15.224 min Scan# 3925

Delta R.T. 0.003 min

Lab File: VL040450.D

Acq: 16 May 2023 23:15

Tgt Ion:105 Resp: 32083

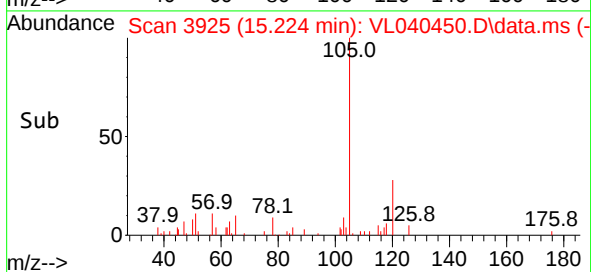
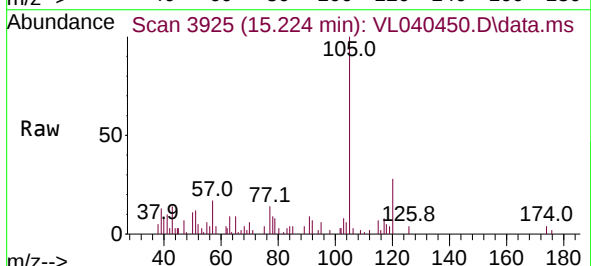
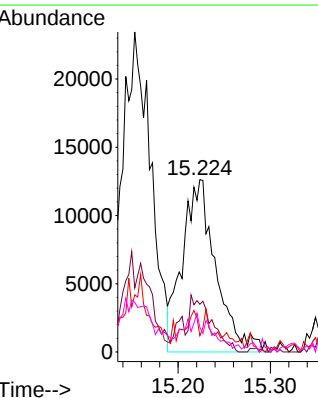
Ion Ratio Lower Upper

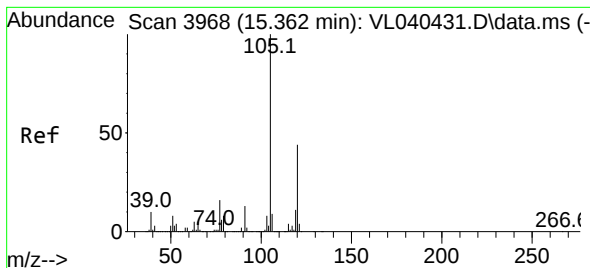
105 100

120 27.2 23.8 35.8

91 25.4 11.0 16.4#

77 19.9 12.2 18.2#





#73

1,3,5-Trimethylbenzene

Concen: 0.123 ppbv m

RT: 15.378 min Scan# 3968

Delta R.T. 0.003 min

Lab File: VL040450.D

Acq: 16 May 2023 23:15

Instrument :

MSVOA_L

ClientSampleId :

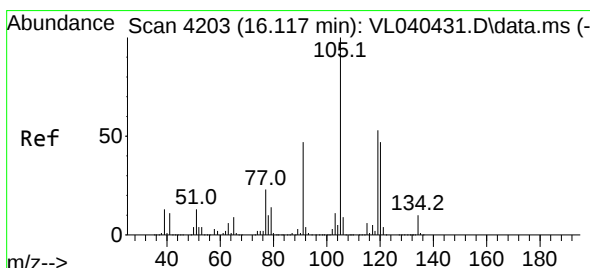
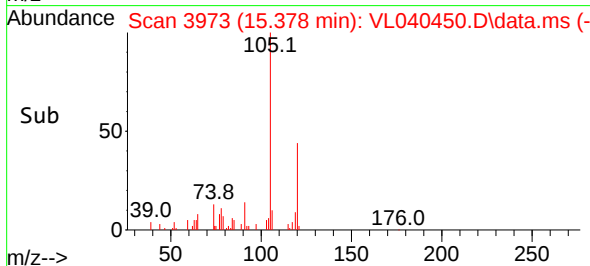
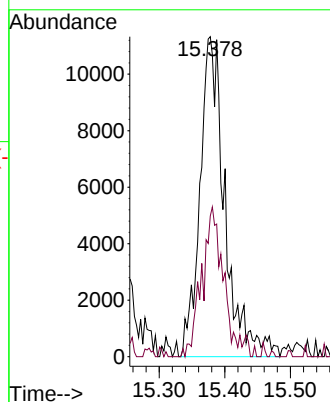
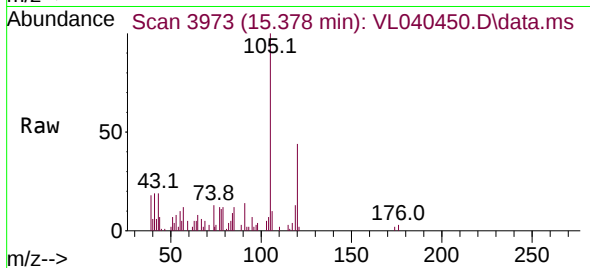
SG-4DL

Tgt Ion:105 Resp: 2987
 Ion Ratio Lower Upper
 105 100
 120 43.9 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 05/17/2023
 Supervised By :Mahesh Dadoda 05/17/2023



#74

1,2,4-Trimethylbenzene

Concen: 0.281 ppbv m

RT: 16.137 min Scan# 4209

Delta R.T. 0.003 min

Lab File: VL040450.D

Acq: 16 May 2023 23:15

Tgt Ion:105 Resp: 78371
 Ion Ratio Lower Upper
 105 100
 120 35.5 38.1 57.1#
 91 15.9 40.2 60.2#
 77 18.4 19.0 28.4#

