

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL112122\
 Data File : VL039916.D
 Acq On : 21 Nov 2022 18:59
 Operator : SY/AP
 Sample : N5724-04DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2022
 Supervised By :Mahesh Dadoda 11/24/2022

Quant Time: Nov 22 03:50:37 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug 12

QLast Update : Tue Nov 22 03:45:31 2022

Response via : Initial Calibration

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

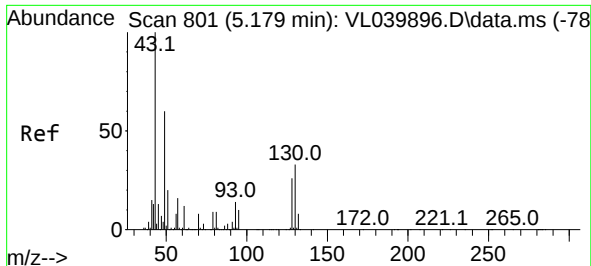
Internal Standards						
1) Bromochloromethane	5.166	49	1009683	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.629	114	3064712	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.449	117	2720557	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.764	95	2136785	10.283	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	= 102.800%	
Target Compounds						
						Qvalue
10) Heptane	7.562	43	16118m	0.102	ppbv	
13) Ethanol	3.224	45	6971m	1.391	ppbv	
15) Acetone	3.449	43	272322	2.033	ppbv	91
17) tert-Butyl alcohol	3.874	59	15577m	0.101	ppbv	
19) Isopropyl Alcohol	3.571	45	10304m	0.142	ppbv	
20) Methylene Chloride	3.909	84	139993	2.158	ppbv	99
23) Vinyl Acetate	4.604	43	607188	11.036	ppbv	98
26) Hexane	5.189	57	222310	2.070	ppbv #	36
34) 2-Butanone	4.780	43	43630m	0.298	ppbv	
41) Tetrahydrofuran	5.565	42	16093m	0.159	ppbv	
51) 2-Hexanone	9.549	43	33034m	0.162	ppbv	
53) Toluene	9.205	91	36791m	0.124	ppbv	
59) m/p-Xylene	12.330	91	37009m	0.120	ppbv	
74) 1,2,4-Trimethylbenzene	16.101	105	52580m	0.164	ppbv	

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

Manual Integrations

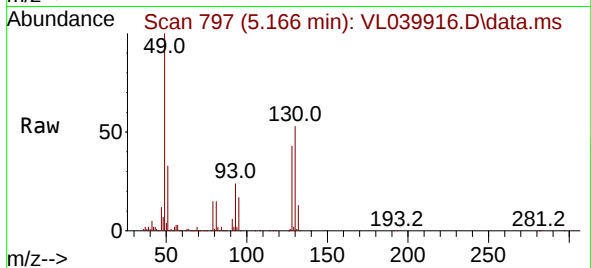
Quant Time: Nov 22 03:50:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL111822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LFri Aug
QLast Update : Tue Nov 22 03:45:31 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.166 min Scan# 797
Delta R.T. 0.010 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

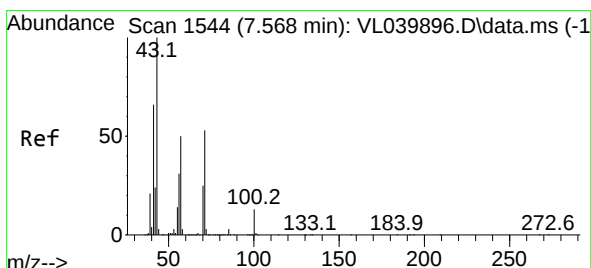
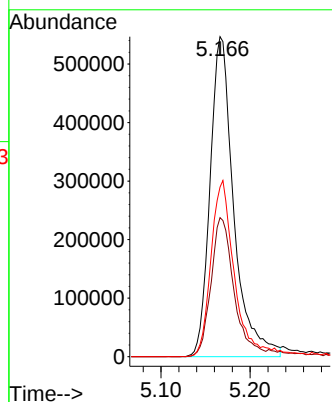
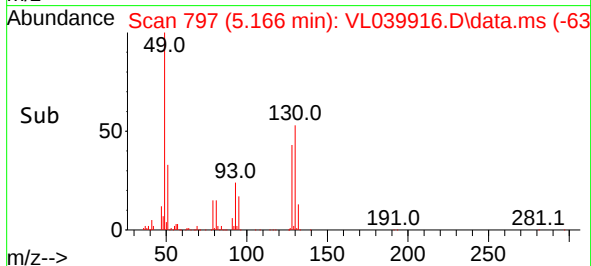
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 49 Resp: 100968
Ion Ratio Lower Upper
49 100
128 44.4 22.1 66.3
130 56.9 27.7 83.1

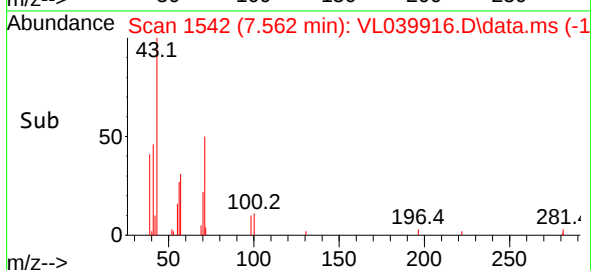
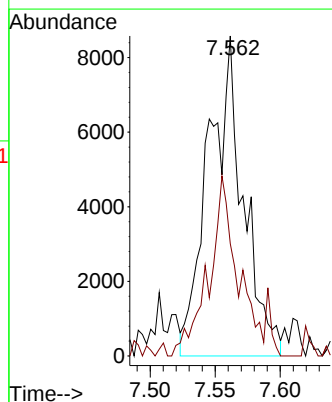
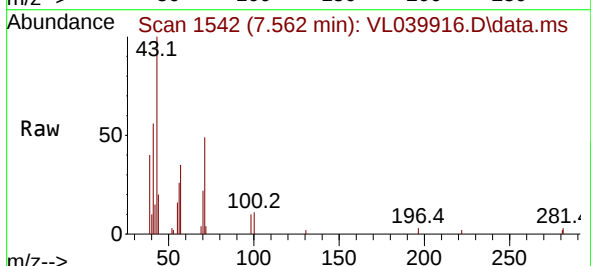
Manual Integrations
APPROVED

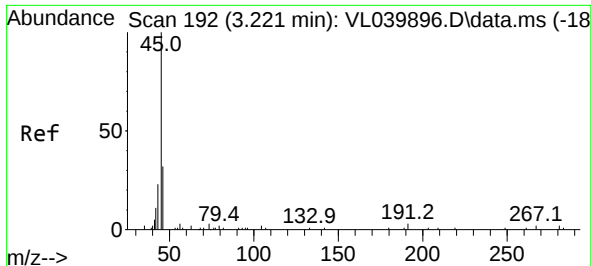
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#10
Heptane
Concen: 0.102 ppbv m
RT: 7.562 min Scan# 1542
Delta R.T. 0.016 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

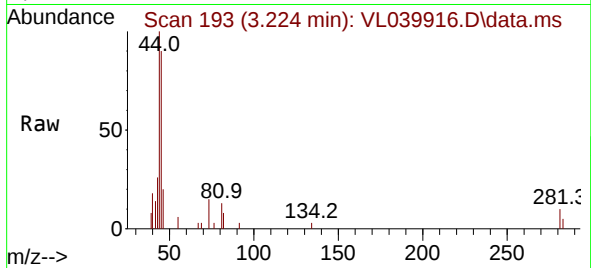
Tgt Ion: 43 Resp: 16118
Ion Ratio Lower Upper
43 100
57 50.0 40.7 61.1





#13
Ethanol
Concen: 1.391 ppbv m
RT: 3.224 min Scan# 192
Delta R.T. 0.016 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

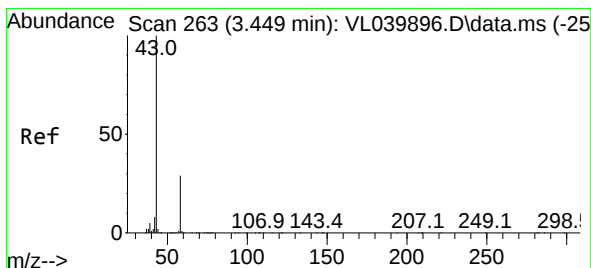
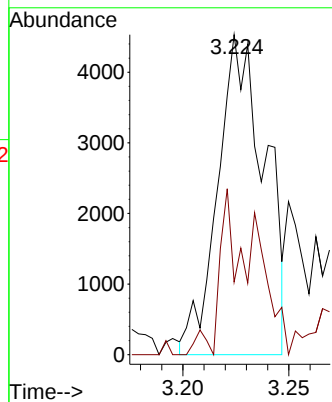
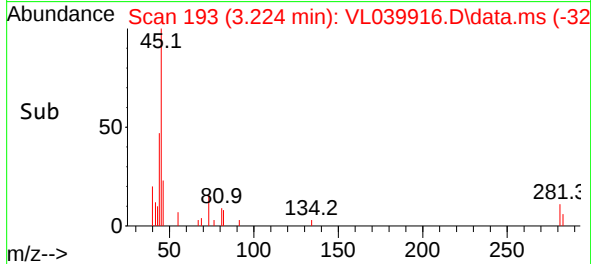
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



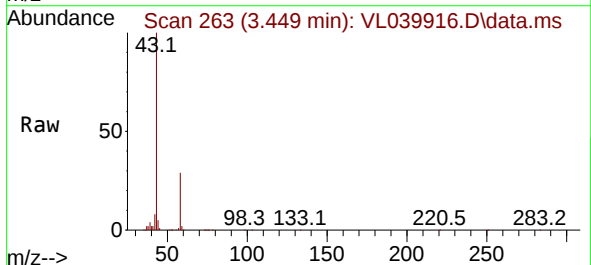
Tgt Ion: 45 Resp: 697
Ion Ratio Lower Upper
45 100
46 51.7 14.6 58.2

Manual Integrations
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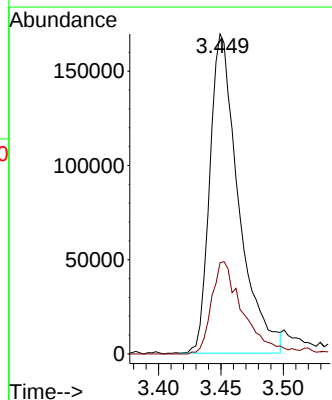
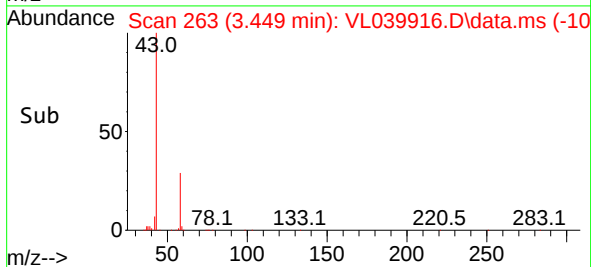
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022

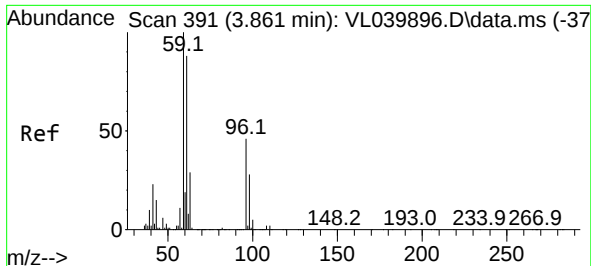


#15
Acetone
Concen: 2.033 ppbv
RT: 3.449 min Scan# 263
Delta R.T. 0.016 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59



Tgt Ion: 43 Resp: 272322
Ion Ratio Lower Upper
43 100
58 33.1 22.9 34.3





#17

tert-Butyl alcohol

Concen: 0.101 ppbv m

RT: 3.874 min Scan# 301

Delta R.T. 0.029 min

Lab File: VL039916.D

Acq: 21 Nov 2022 18:59

Instrument :

MSVOA_L

ClientSampleId :

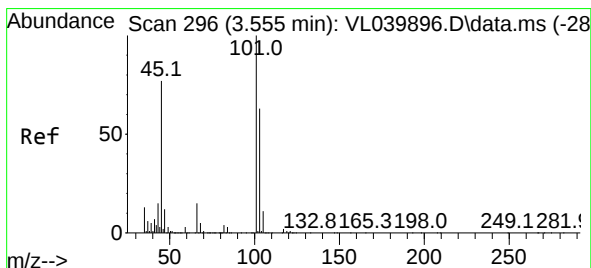
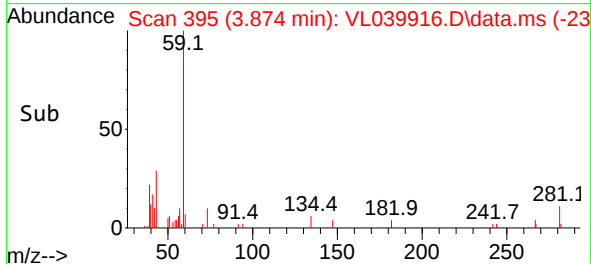
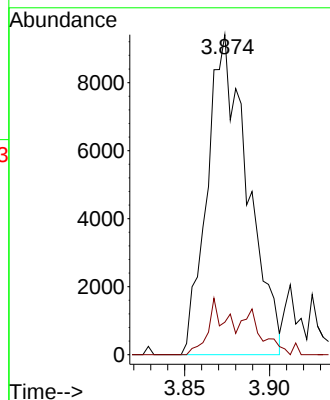
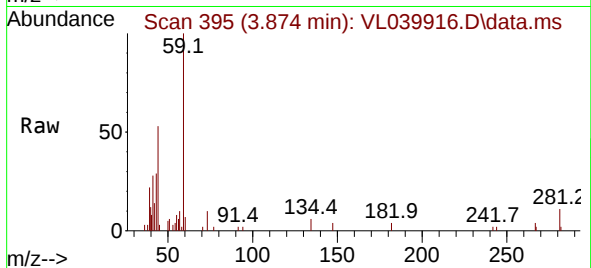
SV2DL

Tgt Ion: 59 Resp: 1557
 Ion Ratio Lower Upper
 59 100
 57 15.9 8.3 12.5

Manual Integrations

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 Supervised By :Mahesh Dadoda 11/24/2022



#19

Isopropyl Alcohol

Concen: 0.142 ppbv m

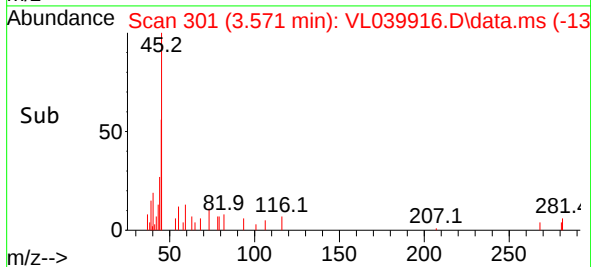
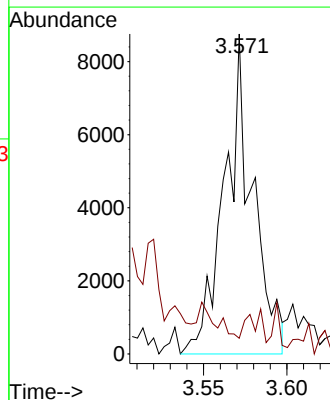
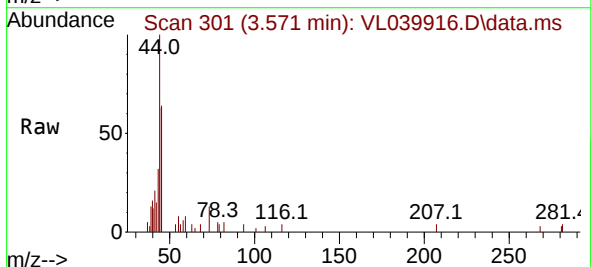
RT: 3.571 min Scan# 301

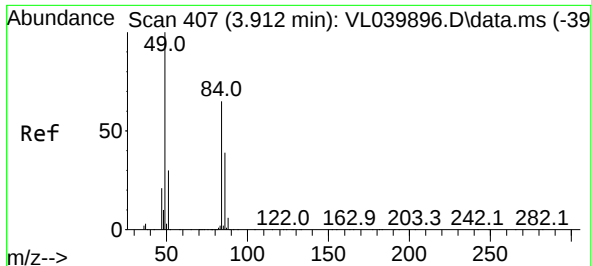
Delta R.T. 0.029 min

Lab File: VL039916.D

Acq: 21 Nov 2022 18:59

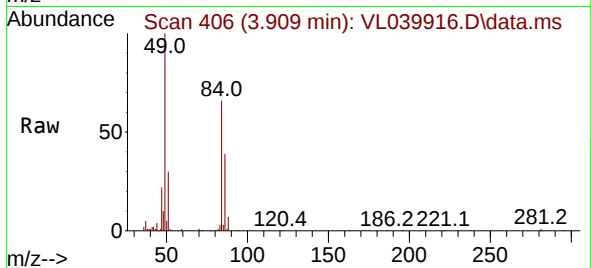
Tgt Ion: 45 Resp: 10304
 Ion Ratio Lower Upper
 45 100
 58 0.0 38.7 58.1#





#20
Methylene Chloride
Concen: 2.158 ppbv
RT: 3.909 min Scan# 407
Delta R.T. 0.010 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

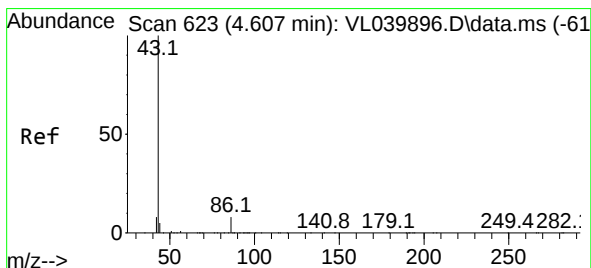
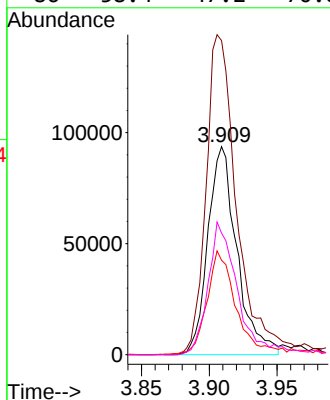
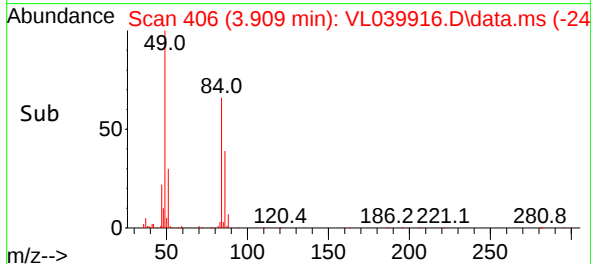
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



Tgt Ion: 84 Resp: 139991
Ion Ratio Lower Upper
84 100
49 150.7 122.2 183.4
51 44.8 36.3 54.5
86 58.4 47.2 70.8

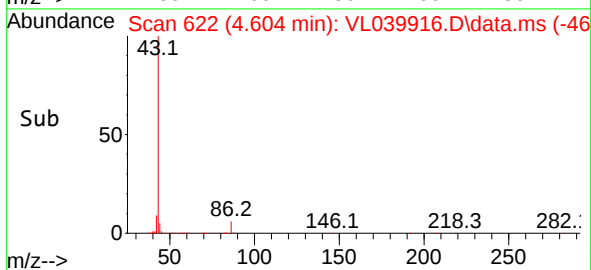
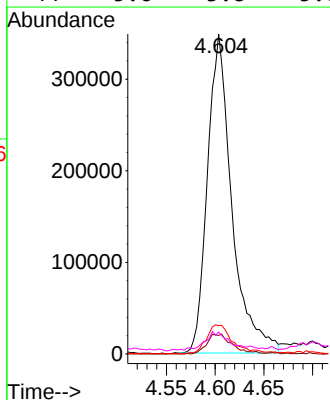
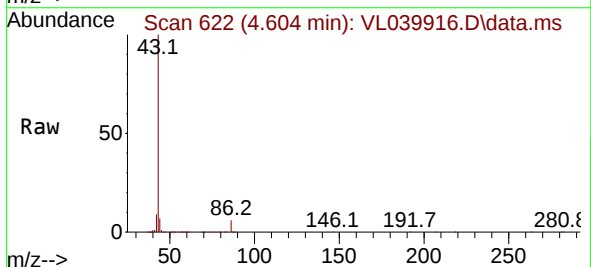
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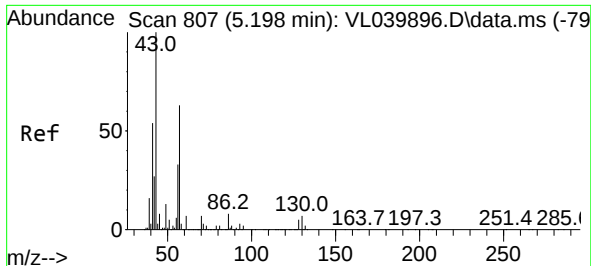
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#23
Vinyl Acetate
Concen: 11.036 ppbv
RT: 4.604 min Scan# 622
Delta R.T. 0.013 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

Tgt Ion: 43 Resp: 607188
Ion Ratio Lower Upper
43 100
86 5.8 5.0 7.4
42 8.8 7.6 11.4
44 5.6 3.8 5.6





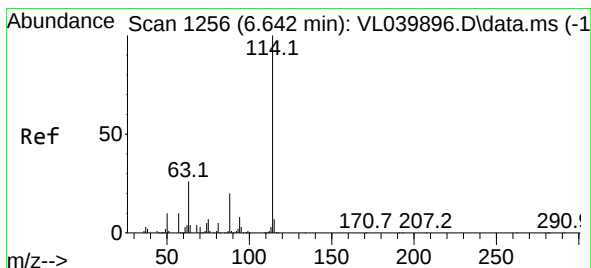
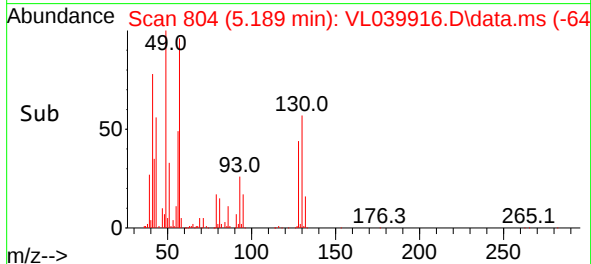
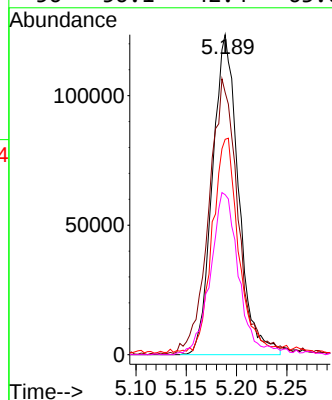
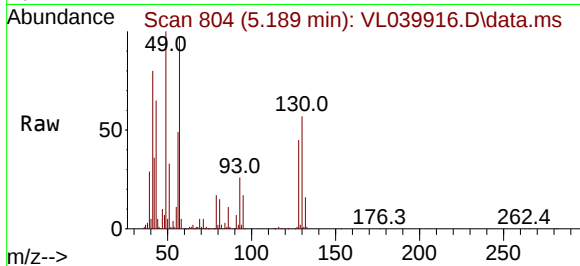
#26
Hexane
Concen: 2.070 ppbv
RT: 5.189 min Scan# 807
Delta R.T. 0.007 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 57 Resp: 222310
Ion Ratio Lower Upper
57 100
41 98.3 72.3 108.5
43 70.2 188.7 283.1
56 56.1 42.4 63.6

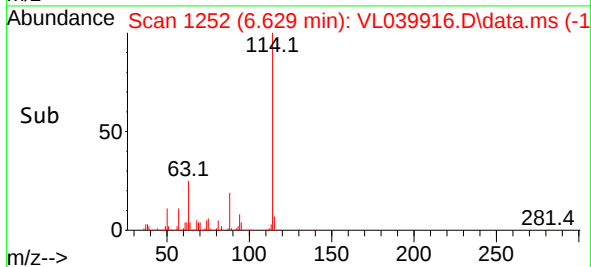
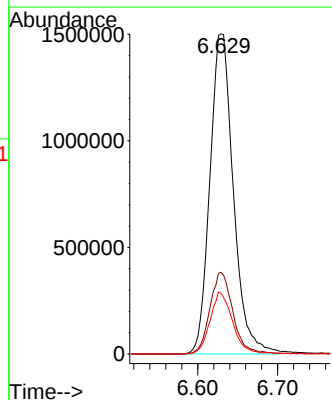
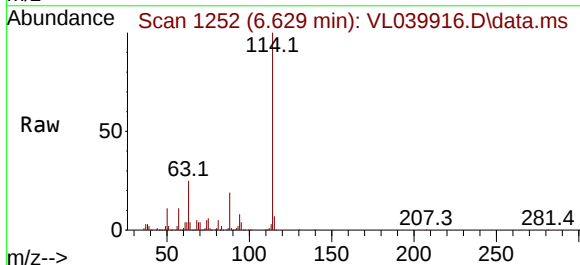
Manual Integrations
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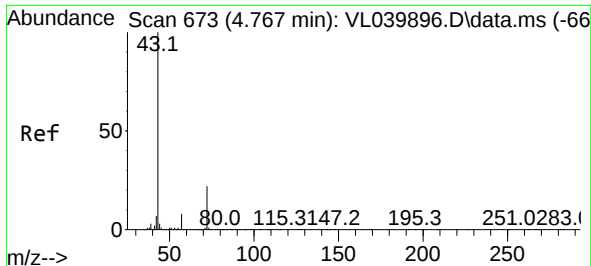
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.629 min Scan# 1252
Delta R.T. 0.010 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

Tgt Ion:114 Resp: 3064712
Ion Ratio Lower Upper
114 100
63 25.2 21.4 32.0
88 18.7 15.3 22.9





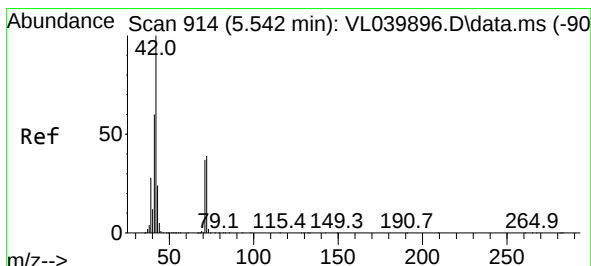
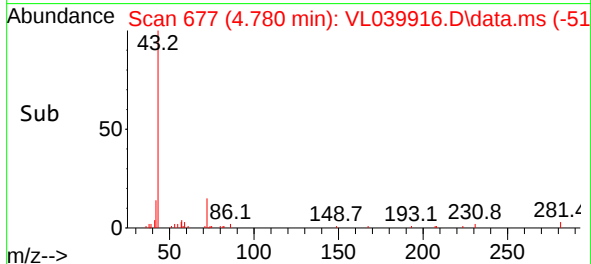
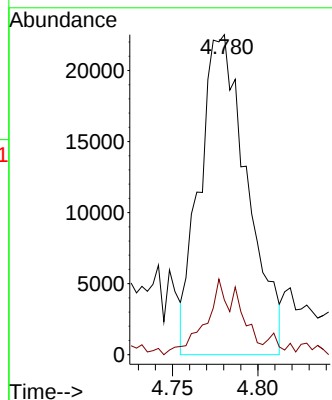
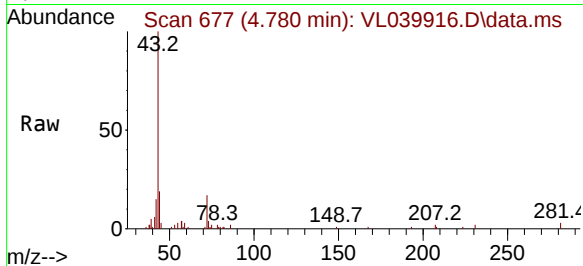
#34
2-Butanone
Concen: 0.298 ppbv m
RT: 4.780 min Scan# 61
Delta R.T. 0.029 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 43 Resp: 43630
Ion Ratio Lower Upper
43 100
72 20.8 17.4 26.2

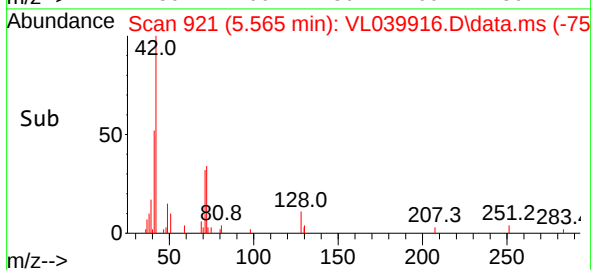
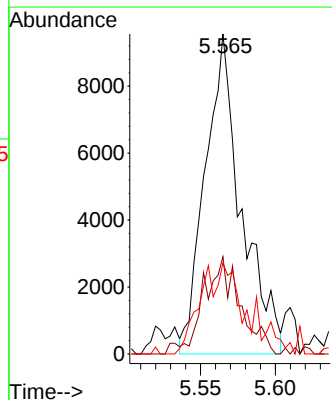
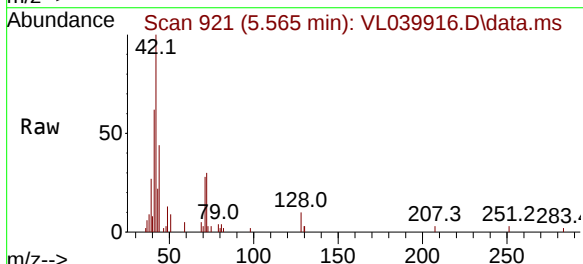
Manual Integrations
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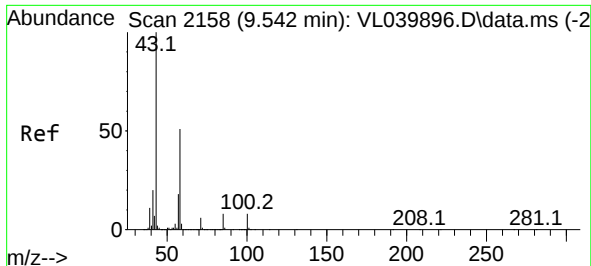
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#41
Tetrahydrofuran
Concen: 0.159 ppbv m
RT: 5.565 min Scan# 921
Delta R.T. 0.042 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

Tgt Ion: 42 Resp: 16093
Ion Ratio Lower Upper
42 100
72 30.9 31.6 47.4#
71 36.7 31.2 46.8





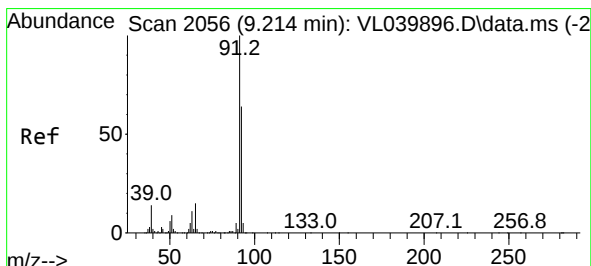
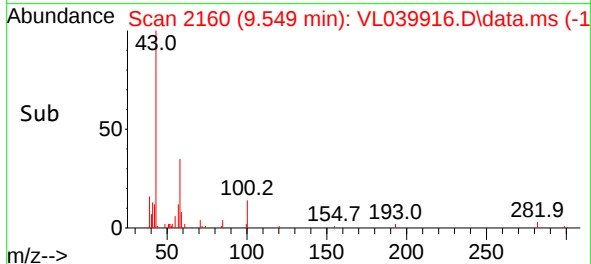
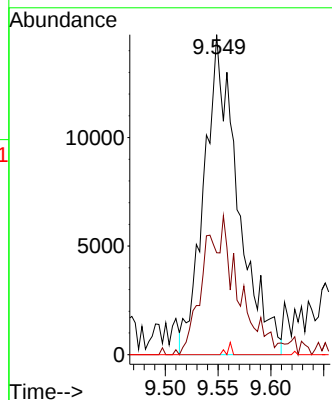
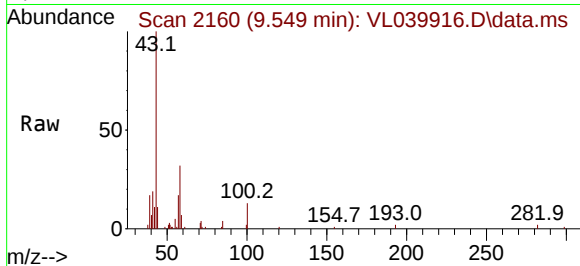
#51
2-Hexanone
Concen: 0.162 ppbv m
RT: 9.549 min Scan# 2158
Delta R.T. 0.023 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

Instrument :
MSVOA_L
ClientSampleId :
SV2DL

Tgt Ion: 43 Resp: 33034
Ion Ratio Lower Upper
43 100
58 0.0 40.2 60.4
98 0.0 0.1 0.1

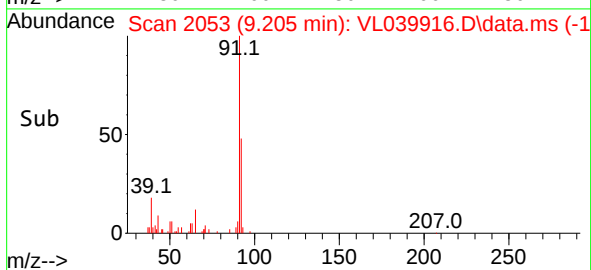
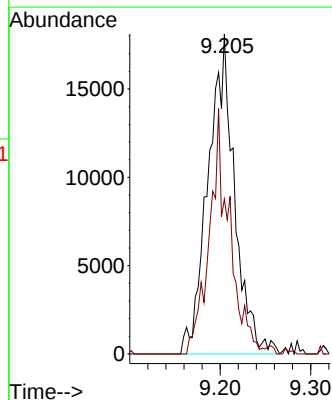
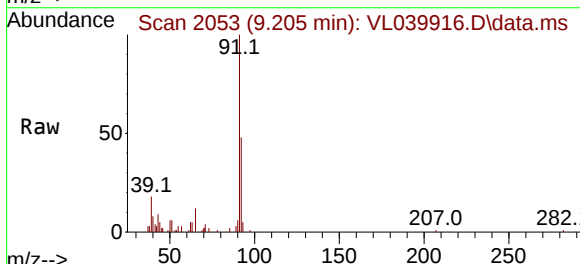
Manual Integrations
APPROVED

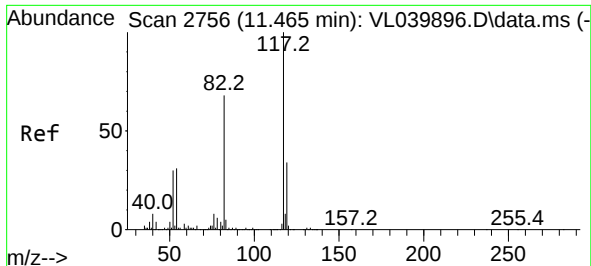
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#53
Toluene
Concen: 0.124 ppbv m
RT: 9.205 min Scan# 2053
Delta R.T. 0.013 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

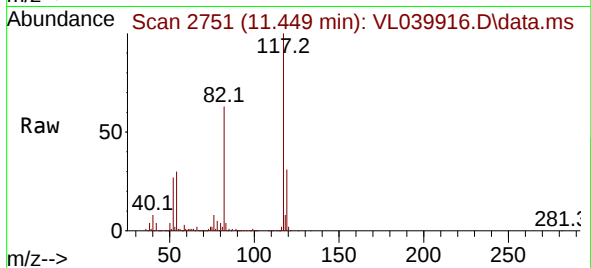
Tgt Ion: 91 Resp: 36791
Ion Ratio Lower Upper
91 100
92 0.0 49.8 74.6





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.449 min Scan# 21
Delta R.T. 0.010 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

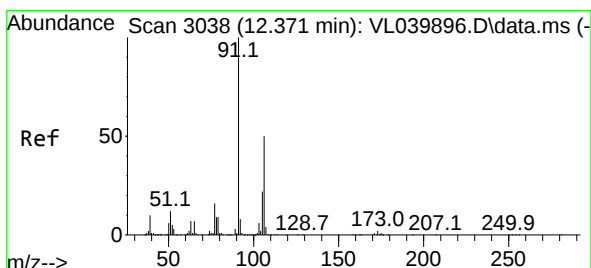
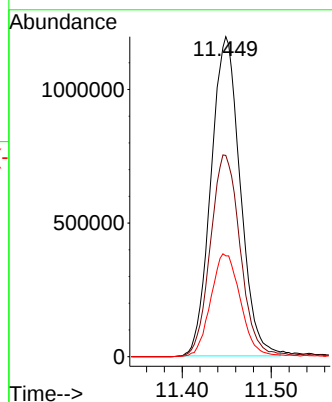
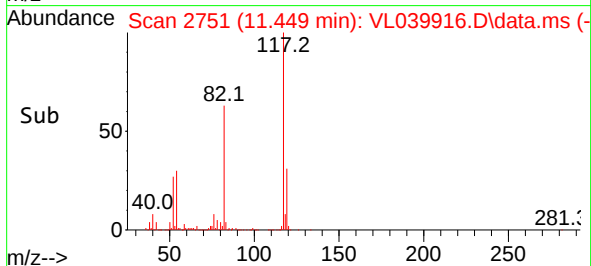
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



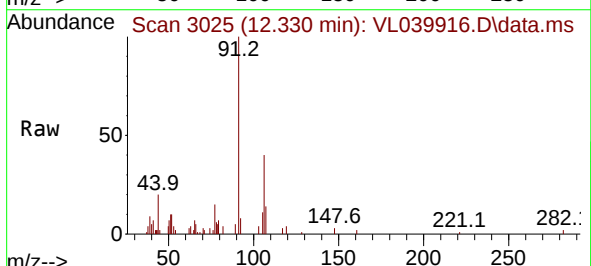
Tgt Ion:117 Resp: 272055
Ion Ratio Lower Upper
117 100
82 66.1 52.3 78.5
119 33.7 25.7 38.5

Manual Integrations
APPROVED

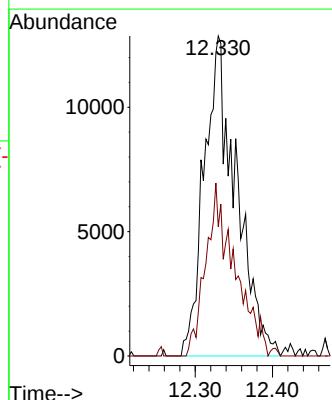
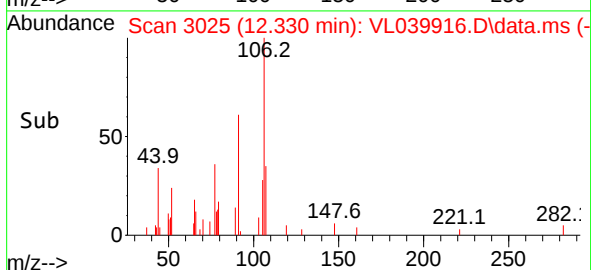
Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022

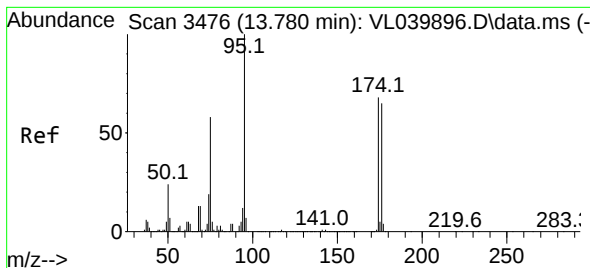


#59
m/p-Xylene
Concen: 0.120 ppbv m
RT: 12.330 min Scan# 3025
Delta R.T. -0.016 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59



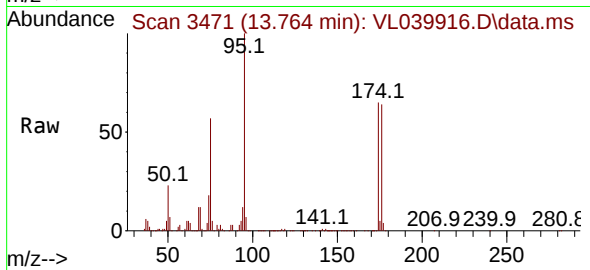
Tgt Ion: 91 Resp: 37009
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.6#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.283 ppbv
RT: 13.764 min Scan# 3476
Delta R.T. 0.010 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59

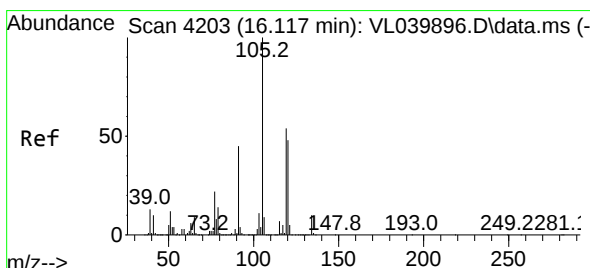
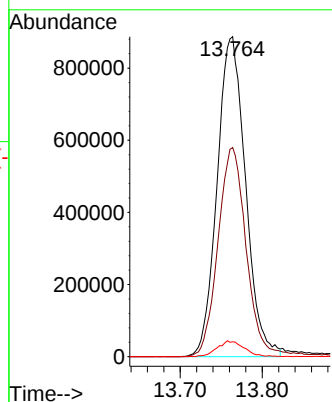
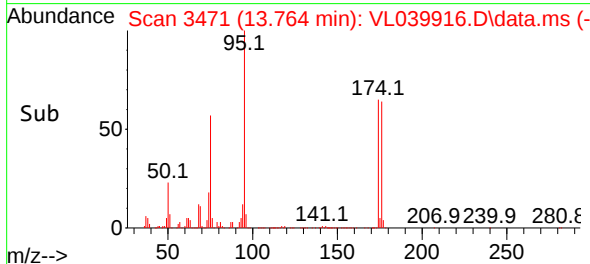
Instrument :
MSVOA_L
ClientSampleId :
SV2DL



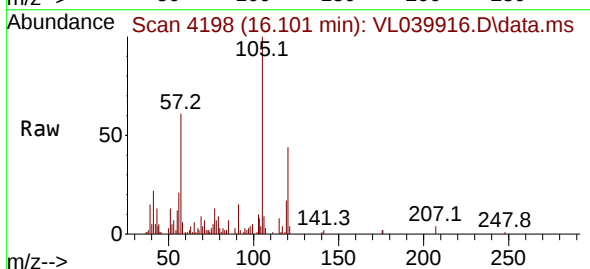
Tgt Ion: 95 Resp: 213678
Ion Ratio Lower Upper
95 100
174 65.7 53.7 80.5
175 4.7 4.0 6.0

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/22/2022
Supervised By :Mahesh Dadoda 11/24/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.164 ppbv m
RT: 16.101 min Scan# 4198
Delta R.T. 0.010 min
Lab File: VL039916.D
Acq: 21 Nov 2022 18:59



Tgt Ion:105 Resp: 52580
Ion Ratio Lower Upper
105 100
120 44.2 38.7 58.1
91 15.2 36.4 54.6#
77 13.4 17.4 26.0#

