

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071322\
 Data File : VL039476.D
 Acq On : 13 Jul 2022 22:49
 Operator : SY/AP
 Sample : N3660-06DL 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-9DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/14/2022
 Supervised By :Mahesh Dadoda 07/14/2022

Quant Time: Jul 14 01:26:07 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6

QLast Update : Wed Jul 06 02:15:38 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.671	49	1179140	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.179	114	3310874	10.000	ppbv	0.02
55) Chlorobenzene-d5	12.089	117	2966747	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.416	95	2323670	10.558	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	= 105.600%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.060	85	59014	0.347	ppbv	100
9) Propene	3.025	41	21282m	0.315	ppbv	
11) Trichlorofluoromethane	3.957	101	121166	0.639	ppbv	95
13) Ethanol	3.607	45	131767m	33.618	ppbv	
15) Acetone	3.854	43	457532	3.280	ppbv #	87
17) tert-Butyl alcohol	4.301	59	41990m	0.355	ppbv	
19) Isopropyl Alcohol	3.983	45	37918m	0.510	ppbv	
20) Methylene Chloride	4.353	84	413971	7.445	ppbv	97
26) Hexane	5.690	57	671729	5.826	ppbv #	39
27) Carbon Disulfide	4.562	76	59034	0.424	ppbv	96
29) Chloroform	5.758	83	36835m	0.184	ppbv	
32) 1,1,1-Trichloroethane	6.520	97	7969m	0.040	ppbv	
34) 2-Butanone	5.253	43	43883	0.263	ppbv	92
38) Trichloroethene	7.844	130	10745m	0.078	ppbv	
52) Tetrachloroethene	11.230	164	35598	0.345	ppbv	92
53) Toluene	9.809	91	107551	0.364	ppbv	97
58) Ethyl Benzene	12.716	91	49764m	0.130	ppbv	
59) m/p-Xylene	12.973	91	137028	0.406	ppbv	93
60) o-Xylene	13.693	91	64163m	0.201	ppbv	
73) 1,3,5-Trimethylbenzene	16.002	105	37708	0.109	ppbv #	75
74) 1,2,4-Trimethylbenzene	16.760	105	118036	0.309	ppbv #	72

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

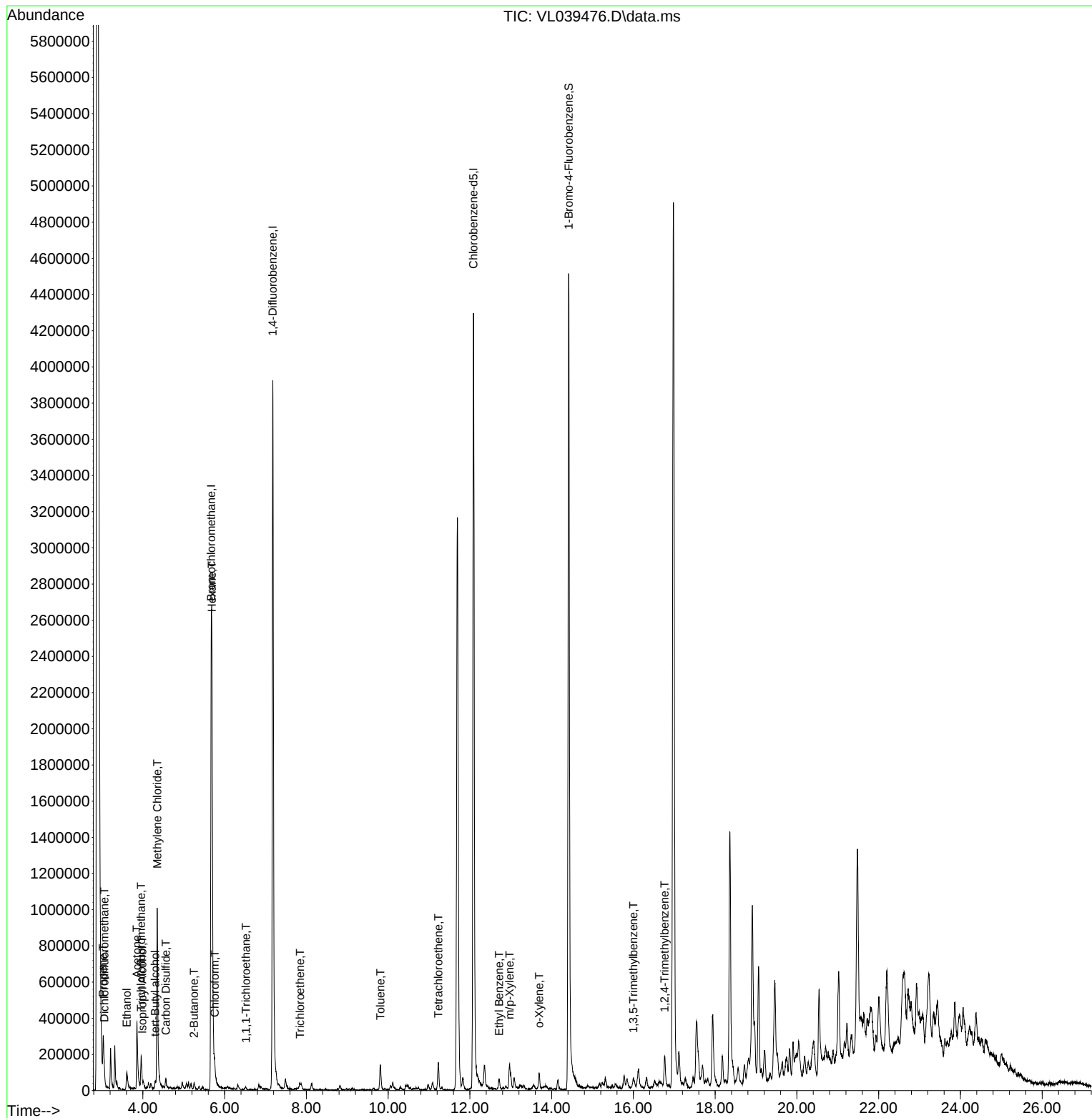
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071322\
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

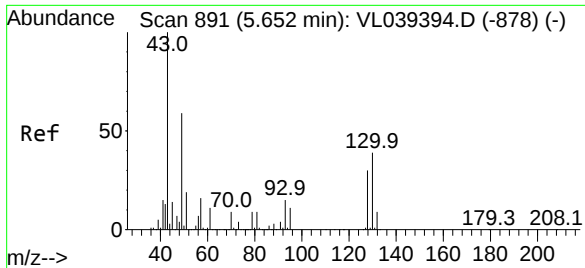
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Quant Time: Jul 14 01:26:07 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

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APPROVED

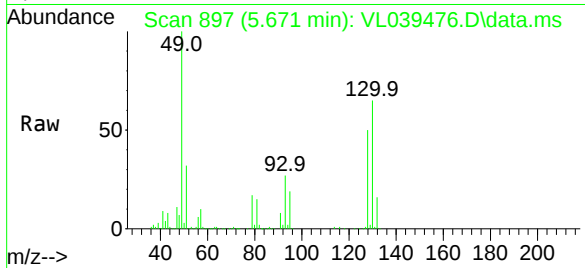
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.671 min Scan# 89
Delta R.T. 0.019 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

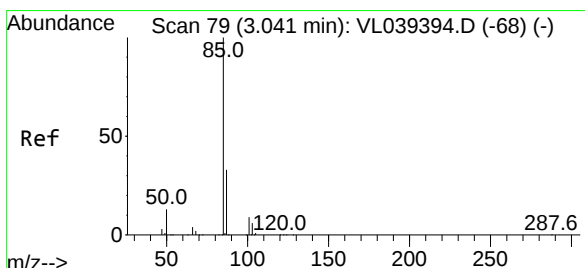
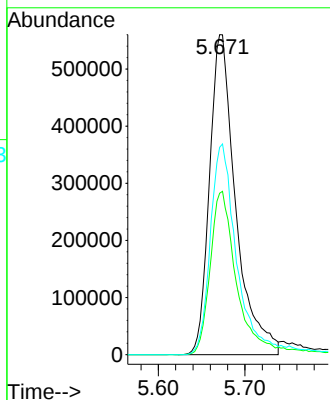
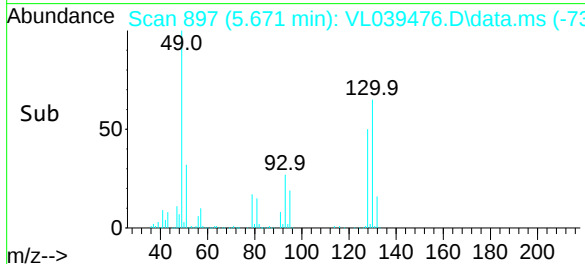
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



Tgt Ion: 49 Resp: 1179140
Ion Ratio Lower Upper
49 100
128 53.3 26.7 80.0
130 69.2 34.3 102.8

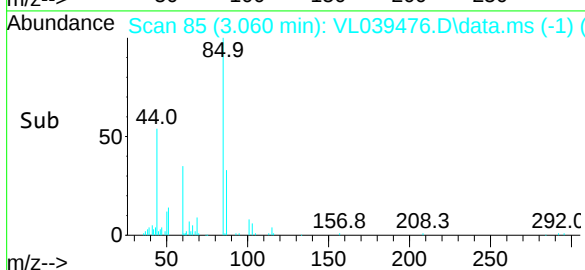
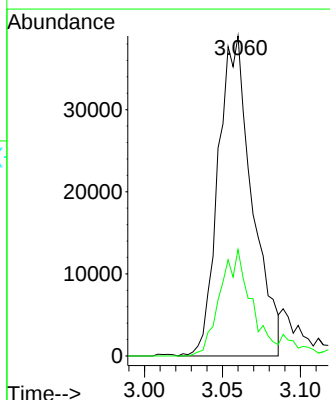
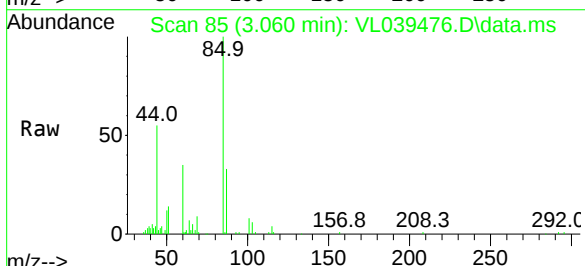
Manual Integrations
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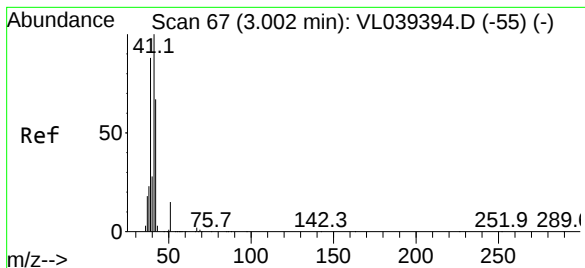
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#2
Dichlorodifluoromethane
Concen: 0.347 ppbv
RT: 3.060 min Scan# 85
Delta R.T. 0.019 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

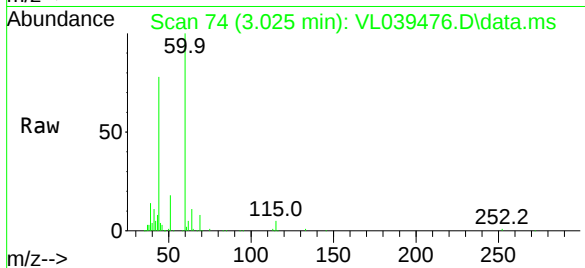
Tgt Ion: 85 Resp: 59014
Ion Ratio Lower Upper
85 100
87 33.2 26.7 40.1





#9
 Propene
 Concen: 0.315 ppbv m
 RT: 3.025 min Scan# 74
 Delta R.T. 0.022 min
 Lab File: VL039476.D
 Acq: 13 Jul 2022 22:49

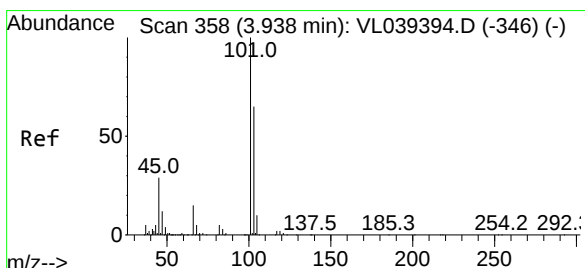
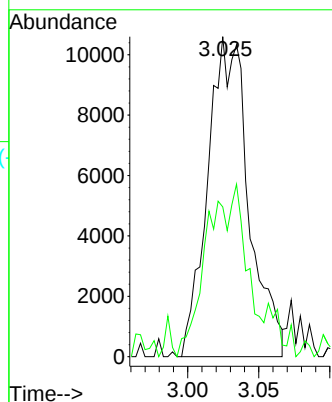
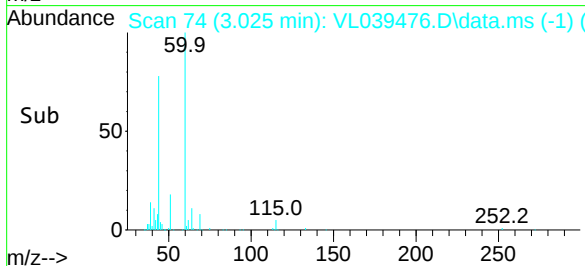
Instrument :
 MSVOA_L
 ClientSampleId :
 SG-9DL



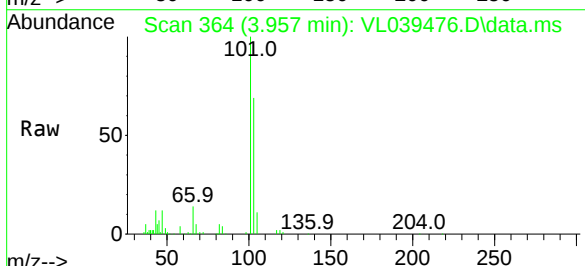
Tgt Ion: 41 Resp: 2128
 Ion Ratio Lower Upper
 41 100
 42 59.2 55.2 82.8

Manual Integrations
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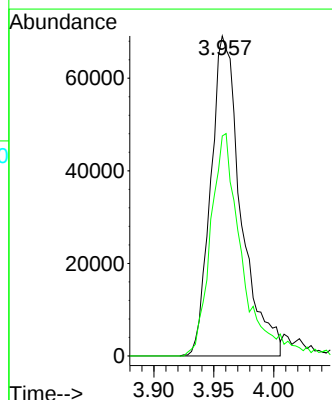
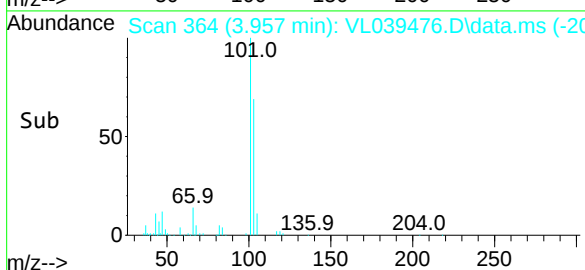
Reviewed By :Semsettin Yesilyurt 07/14/2022
 Supervised By :Mahesh Dadoda 07/14/2022

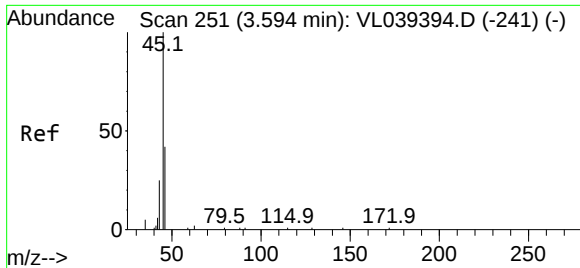


#11
 Trichlorofluoromethane
 Concen: 0.639 ppbv
 RT: 3.957 min Scan# 364
 Delta R.T. 0.019 min
 Lab File: VL039476.D
 Acq: 13 Jul 2022 22:49



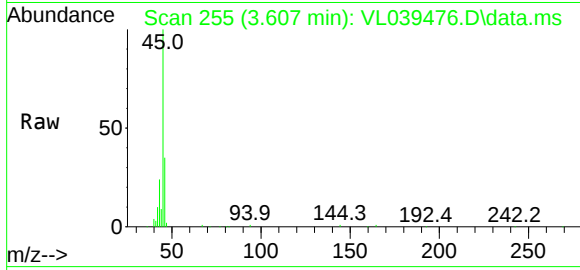
Tgt Ion:101 Resp: 121166
 Ion Ratio Lower Upper
 101 100
 103 68.7 51.8 77.8





#13
Ethanol
Concen: 33.618 ppbv m
RT: 3.607 min Scan# 21
Delta R.T. 0.013 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

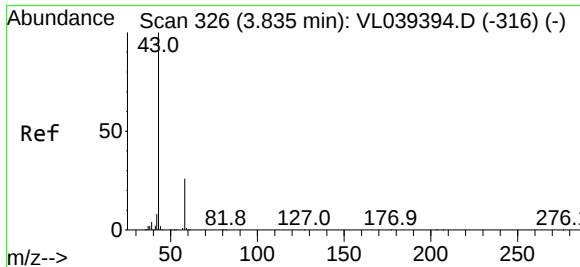
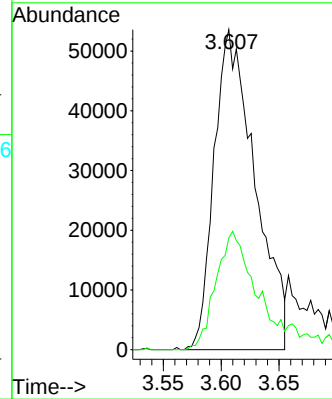
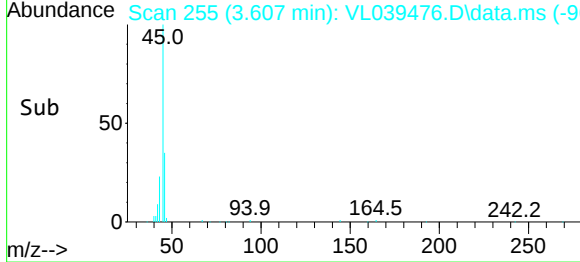
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



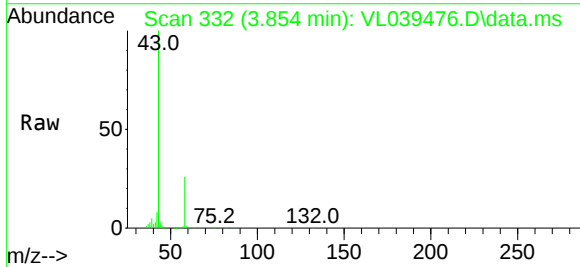
Tgt Ion: 45 Resp: 13176
Ion Ratio Lower Upper
45 100
46 0.0 22.8 91.2

Manual Integrations
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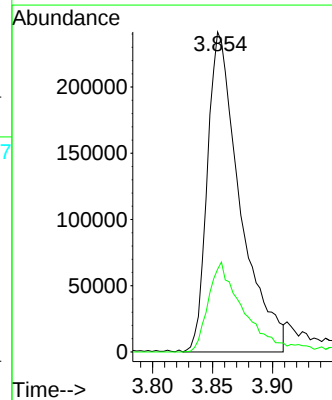
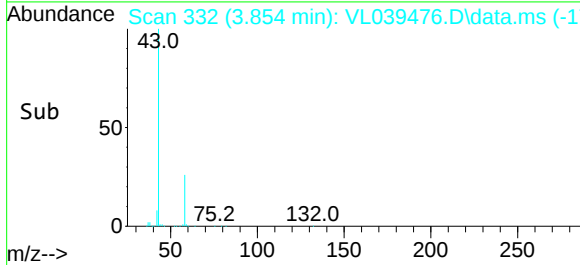
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

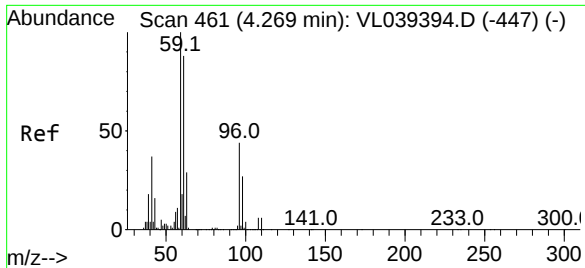


#15
Acetone
Concen: 3.280 ppbv
RT: 3.854 min Scan# 332
Delta R.T. 0.019 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49



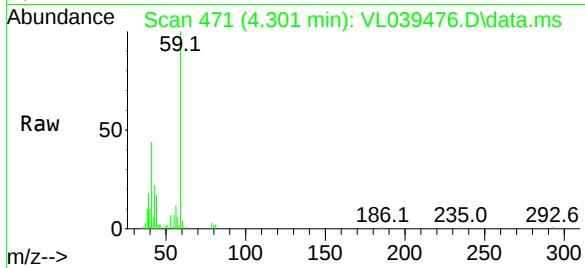
Tgt Ion: 43 Resp: 457532
Ion Ratio Lower Upper
43 100
58 32.9 21.0 31.6





#17
tert-Butyl alcohol
Concen: 0.355 ppbv m
RT: 4.301 min Scan# 41
Delta R.T. 0.032 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

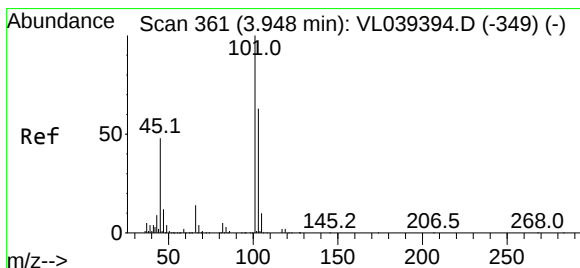
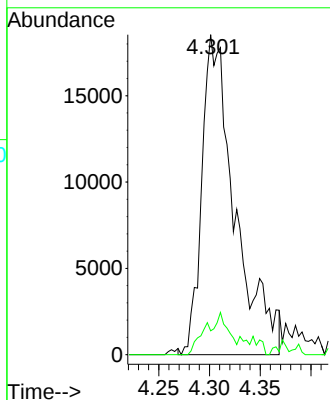
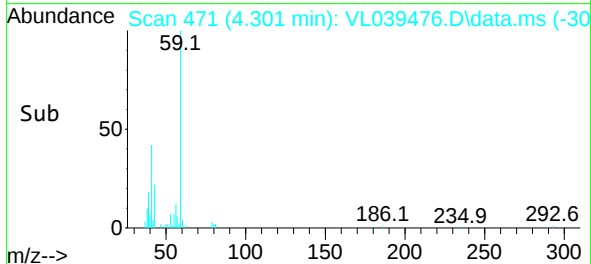
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



Tgt Ion: 59 Resp: 41990
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1

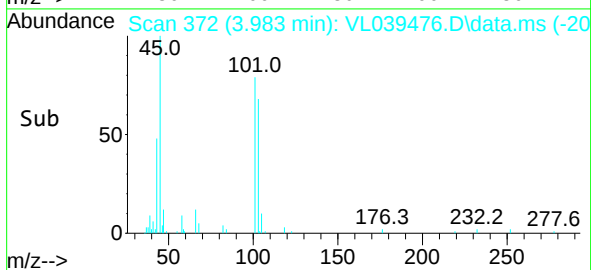
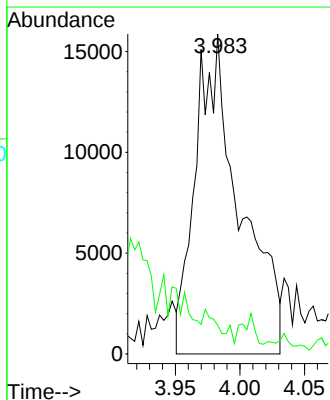
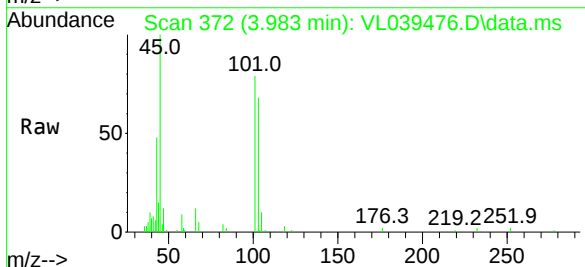
Manual Integrations
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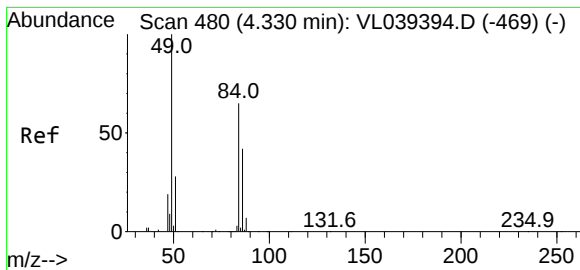
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#19
Isopropyl Alcohol
Concen: 0.510 ppbv m
RT: 3.983 min Scan# 372
Delta R.T. 0.035 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

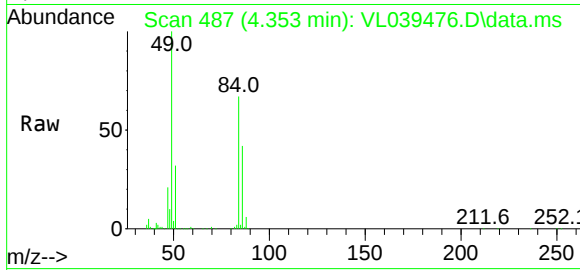
Tgt Ion: 45 Resp: 37918
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8





#20
Methylene Chloride
Concen: 7.445 ppbv
RT: 4.353 min Scan# 41
Delta R.T. 0.022 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

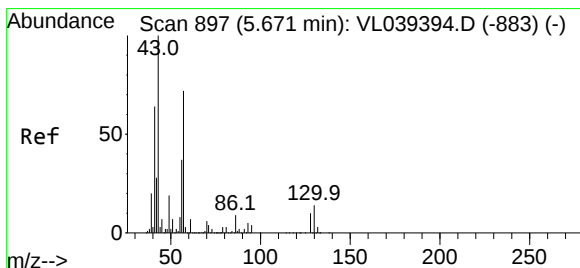
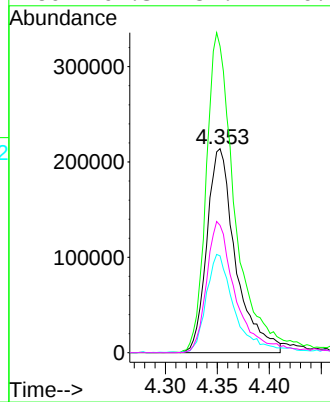
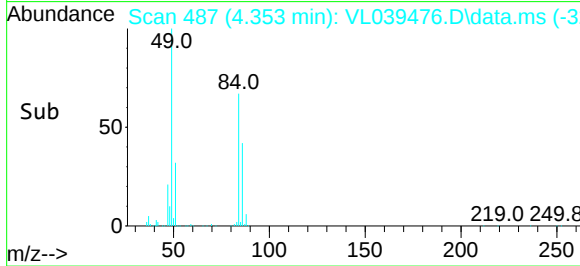
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



Tgt Ion: 84 Resp: 41397
Ion Ratio Lower Upper
84 100
49 150.0 123.1 184.7
51 47.3 34.4 51.6
86 62.3 51.1 76.7

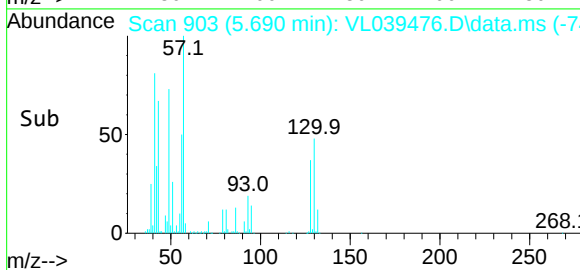
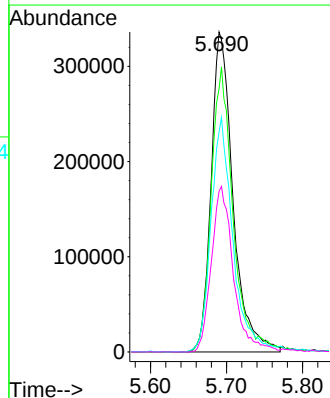
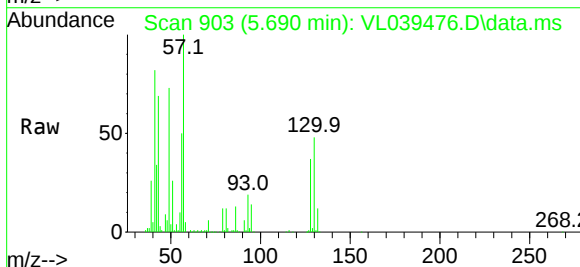
Manual Integrations
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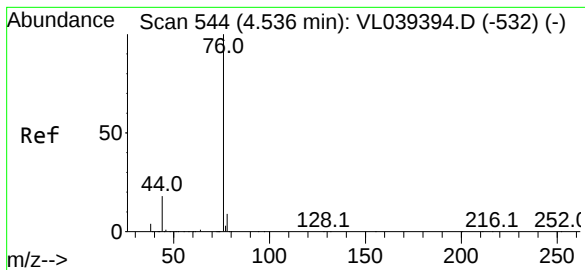
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#26
Hexane
Concen: 5.826 ppbv
RT: 5.690 min Scan# 903
Delta R.T. 0.019 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

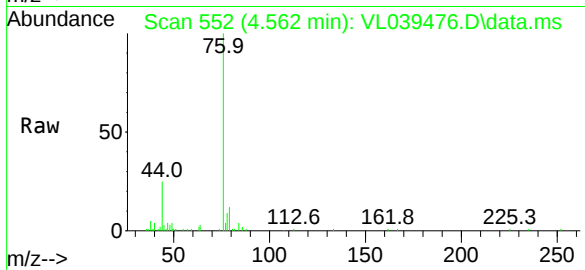
Tgt Ion: 57 Resp: 671729
Ion Ratio Lower Upper
57 100
41 90.2 76.9 115.3
43 74.8 191.0 286.6#
56 53.0 43.2 64.8





#27
Carbon Disulfide
Concen: 0.424 ppbv
RT: 4.562 min Scan# 51
Delta R.T. 0.026 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

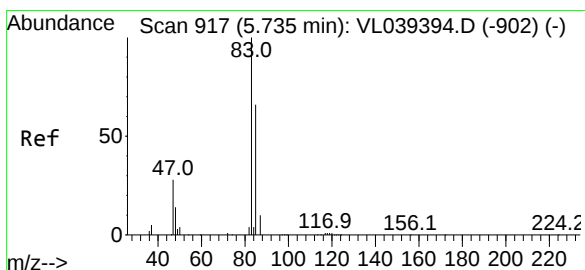
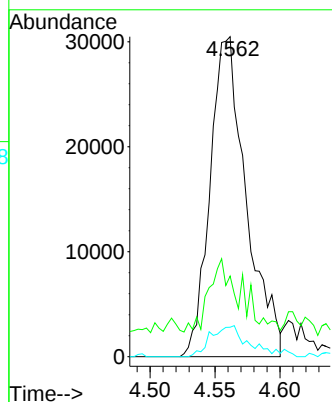
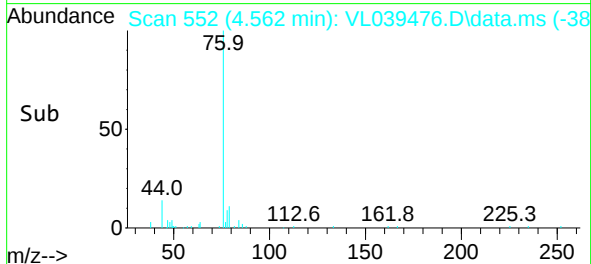
Instrument :
MSVOA_L
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SG-9DL



Tgt Ion: 76 Resp: 59034
Ion Ratio Lower Upper
76 100
44 20.2 14.6 21.8
78 10.4 7.8 11.6

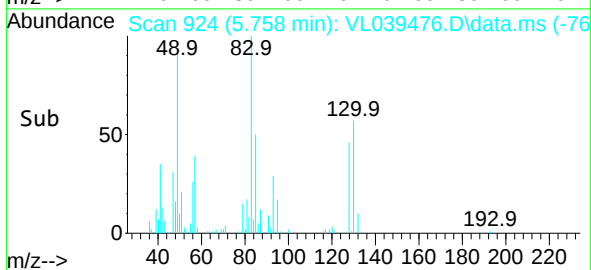
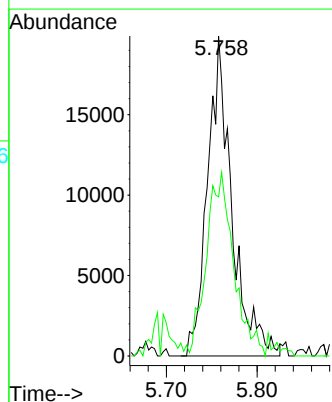
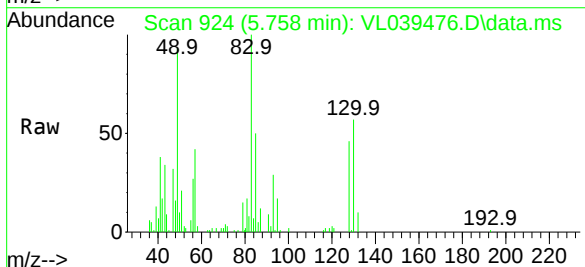
Manual Integrations
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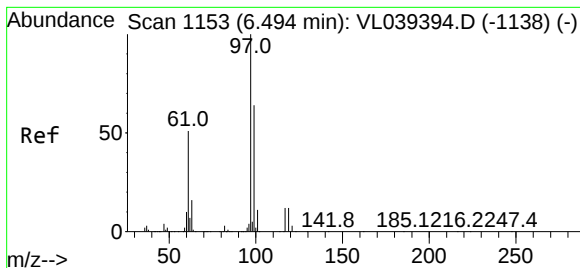
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#29
Chloroform
Concen: 0.184 ppbv m
RT: 5.758 min Scan# 924
Delta R.T. 0.022 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

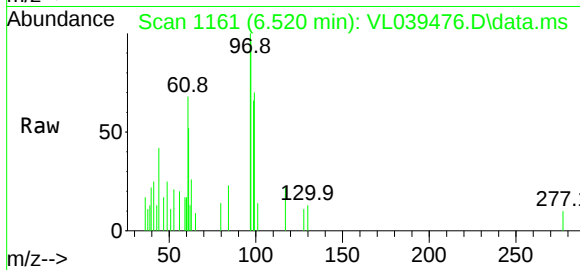
Tgt Ion: 83 Resp: 36835
Ion Ratio Lower Upper
83 100
85 49.7 52.8 79.2#





#32
1,1,1-Trichloroethane
Concen: 0.040 ppbv m
RT: 6.520 min Scan# 1153
Delta R.T. 0.026 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

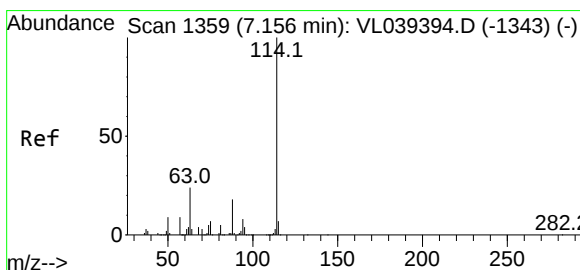
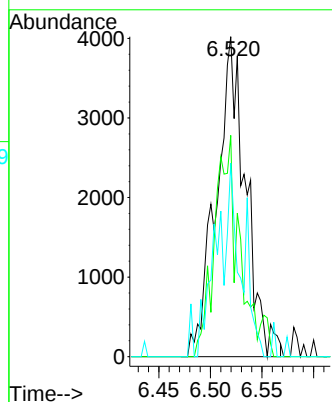
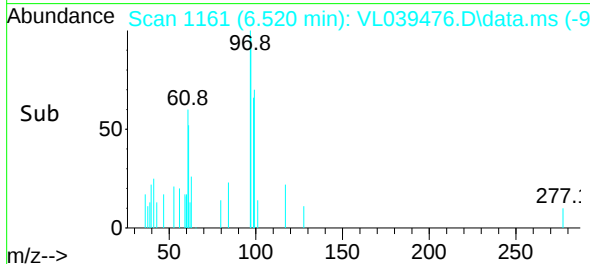
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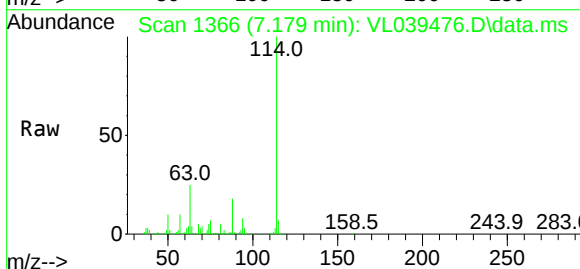
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Ion Ratio Lower Upper
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99 60.0 52.3 78.5
61 52.7 40.9 61.3

Manual Integrations
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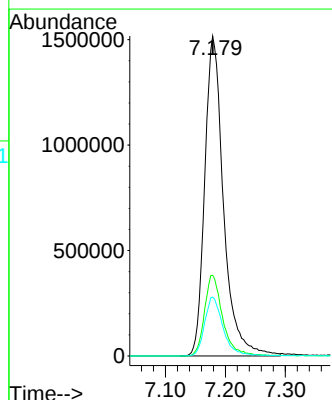
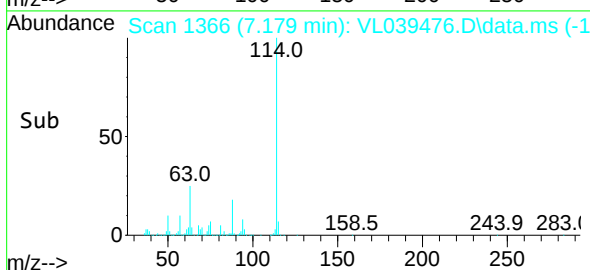
Reviewed By :Semsettin Yesilyurt 07/14/2022
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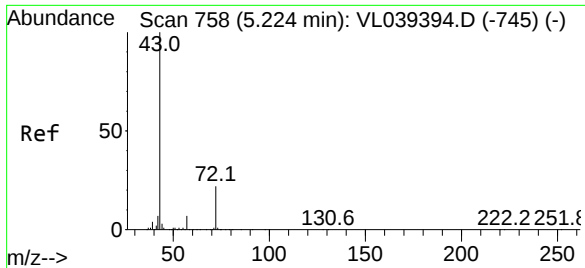


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.179 min Scan# 1366
Delta R.T. 0.022 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49



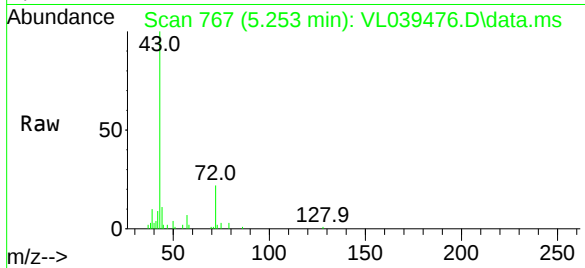
Tgt Ion:114 Resp: 3310874
Ion Ratio Lower Upper
114 100
63 24.6 20.2 30.4
88 18.2 14.5 21.7





#34
2-Butanone
Concen: 0.263 ppbv
RT: 5.253 min Scan# 71
Delta R.T. 0.029 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

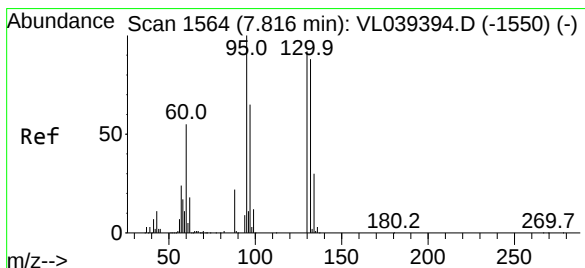
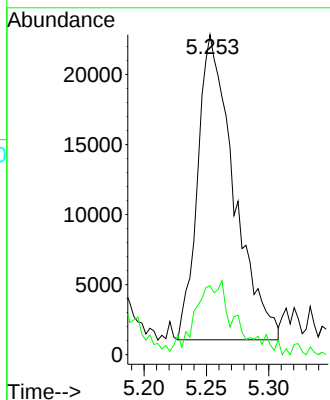
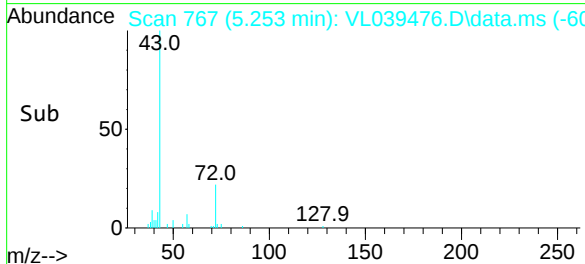
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



Tgt Ion: 43 Resp: 4388
Ion Ratio Lower Upper
43 100
72 26.2 17.9 26.9

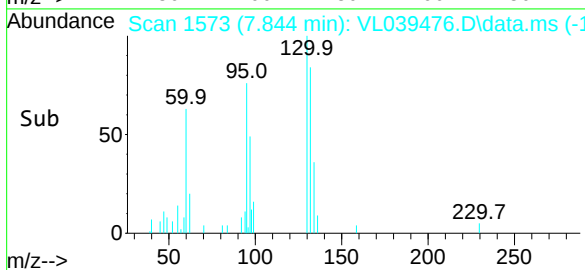
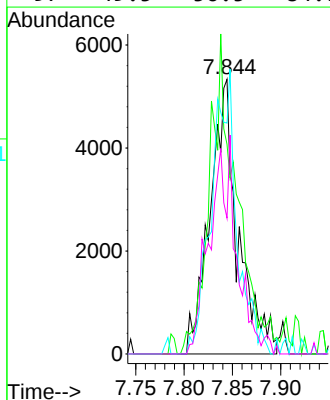
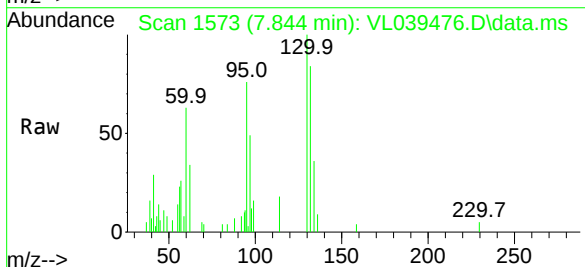
Manual Integrations
APPROVED

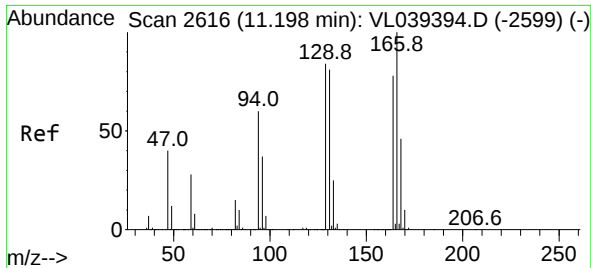
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#38
Trichloroethene
Concen: 0.078 ppbv m
RT: 7.844 min Scan# 1573
Delta R.T. 0.029 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

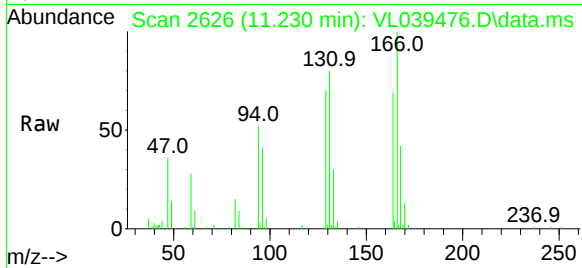
Tgt Ion:130 Resp: 10745
Ion Ratio Lower Upper
130 100
95 76.4 87.3 130.9#
132 84.1 76.7 115.1
97 49.5 56.5 84.7#





#52
Tetrachloroethene
Concen: 0.345 ppbv
RT: 11.230 min Scan# 2184
Delta R.T. 0.032 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

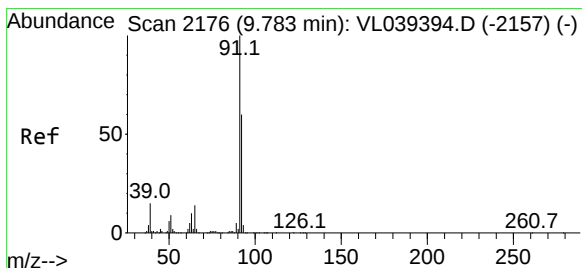
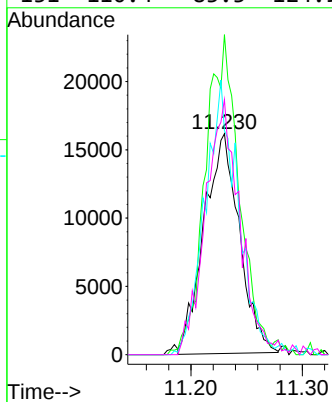
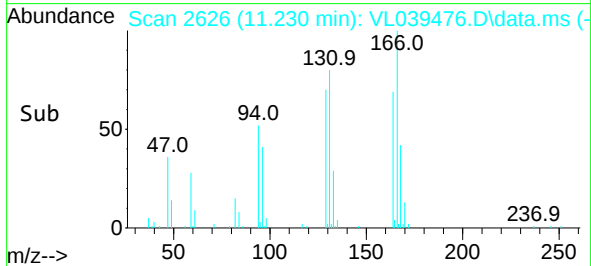
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



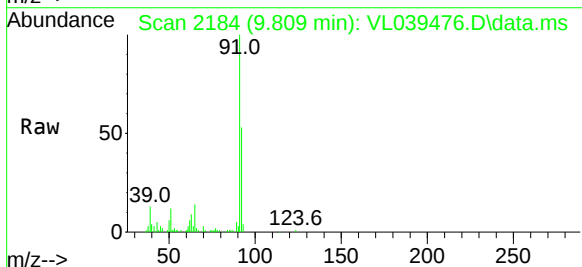
Tgt Ion:164 Resp: 35598
Ion Ratio Lower Upper
164 100
166 136.0 102.2 153.2
129 95.9 85.8 128.8
131 110.4 83.3 124.9

Manual Integrations
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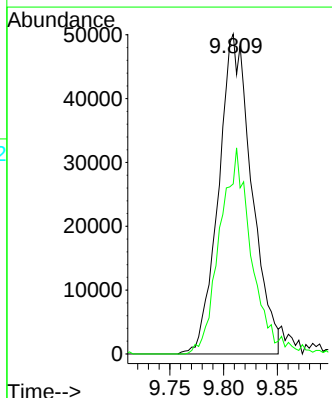
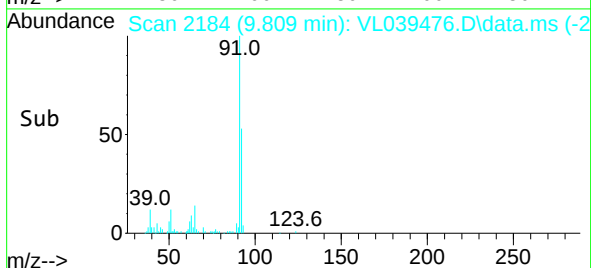
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

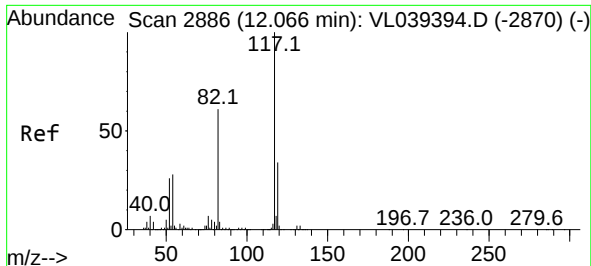


#53
Toluene
Concen: 0.364 ppbv
RT: 9.809 min Scan# 2184
Delta R.T. 0.026 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49



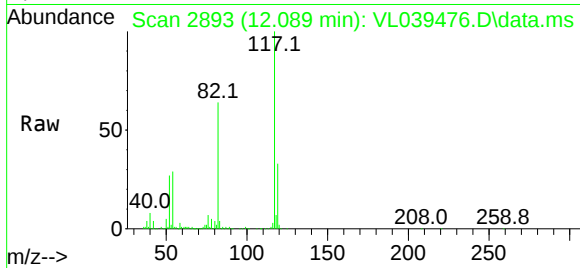
Tgt Ion: 91 Resp: 107551
Ion Ratio Lower Upper
91 100
92 62.1 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.089 min Scan# 21
Delta R.T. 0.022 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

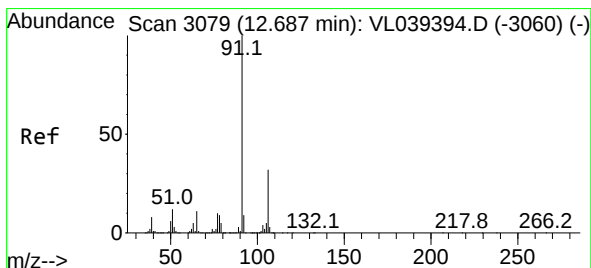
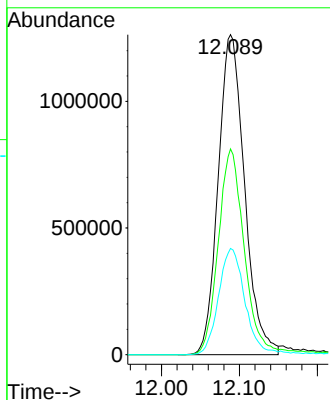
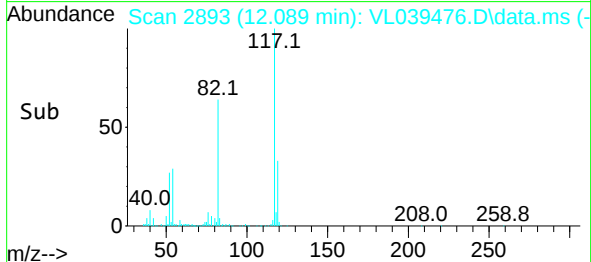
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



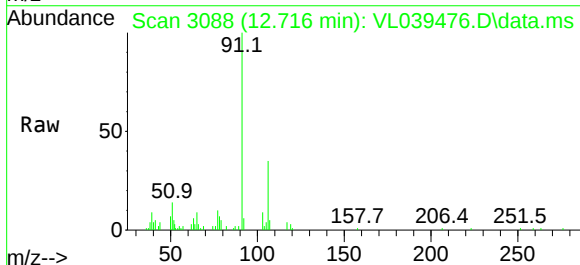
Tgt Ion: 117 Resp: 296674
Ion Ratio Lower Upper
117 100
82 65.1 50.8 76.2
119 34.1 24.1 36.1

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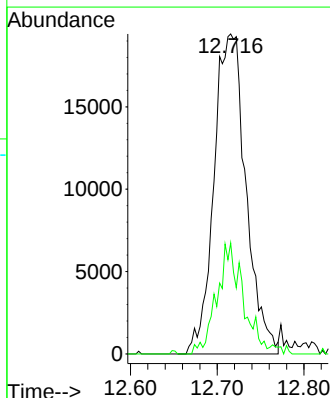
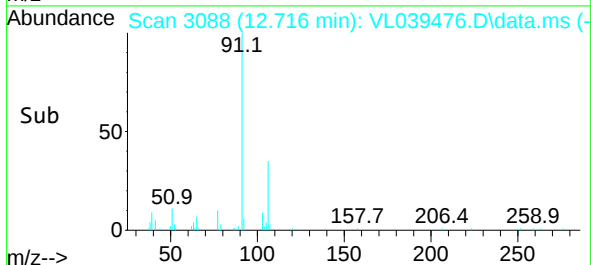
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

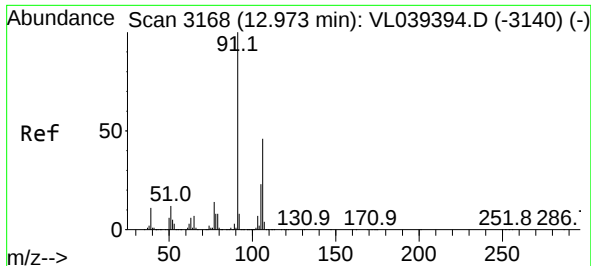


#58
Ethyl Benzene
Concen: 0.130 ppbv m
RT: 12.716 min Scan# 3088
Delta R.T. 0.029 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49



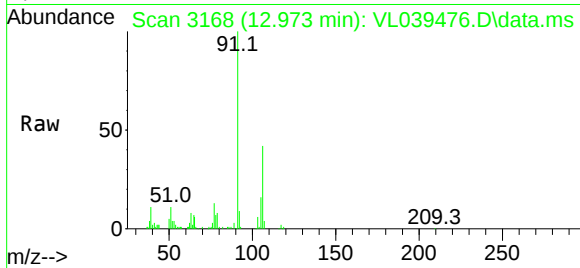
Tgt Ion: 91 Resp: 49764
Ion Ratio Lower Upper
91 100
106 34.7 25.4 38.0





#59
m/p-Xylene
Concen: 0.406 ppbv
RT: 12.973 min Scan# 3168
Delta R.T. -0.000 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

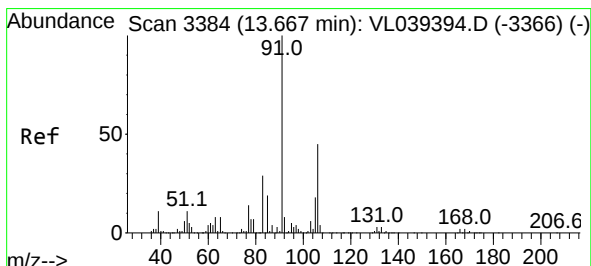
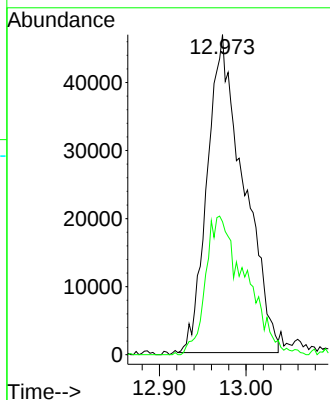
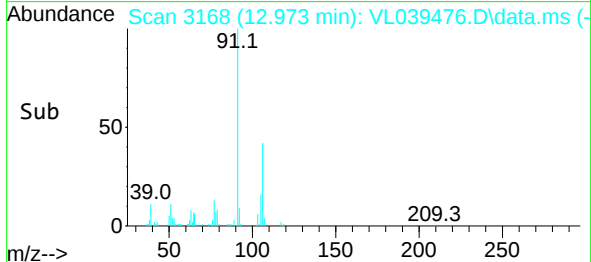
Instrument :
MSVOA_L
ClientSampleId :
SG-9DL



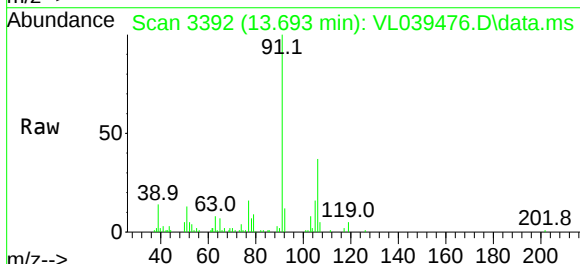
Tgt Ion: 91 Resp: 137028
Ion Ratio Lower Upper
91 100
106 48.8 35.4 53.2

Manual Integrations
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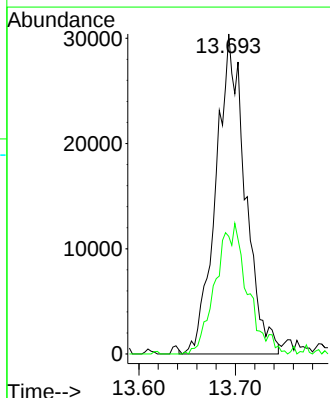
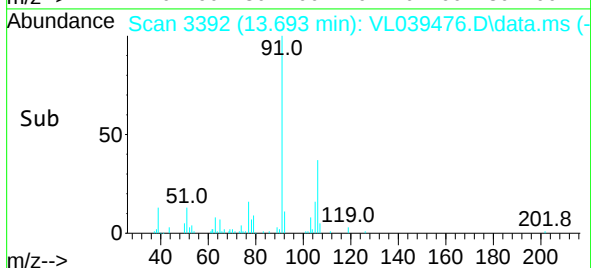
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

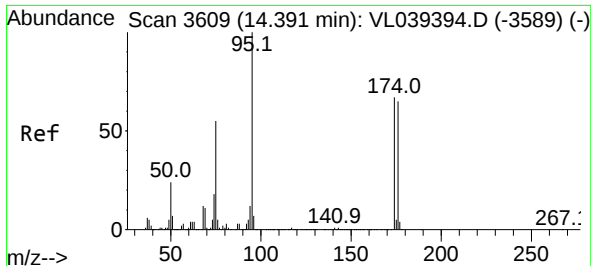


#60
o-Xylene
Concen: 0.201 ppbv m
RT: 13.693 min Scan# 3392
Delta R.T. 0.026 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49



Tgt Ion: 91 Resp: 64163
Ion Ratio Lower Upper
91 100
106 0.0 22.4 67.3#





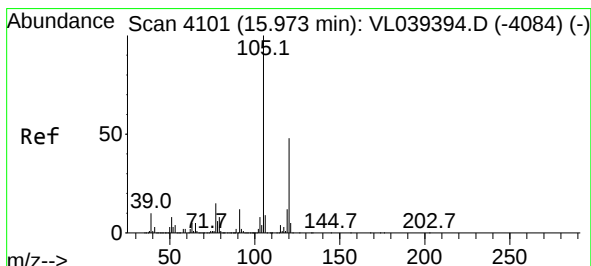
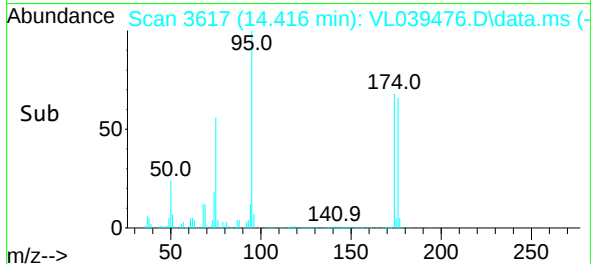
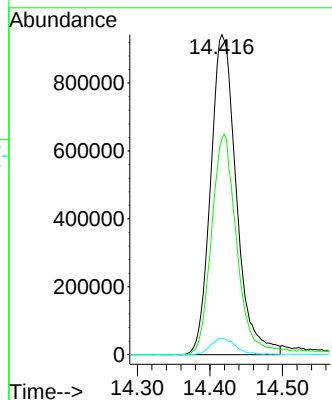
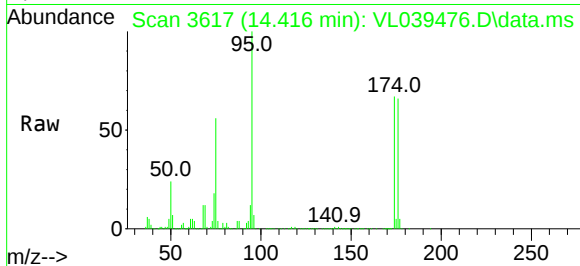
#68
1-Bromo-4-Fluorobenzene
Concen: 10.558 ppbv
RT: 14.416 min Scan# 3609
Delta R.T. 0.026 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Instrument :
MSVOA_L
ClientSampleId :
SG-9DL

Tgt Ion: 95 Resp: 2323670
Ion Ratio Lower Upper
95 100
174 70.3 55.9 83.9
175 5.2 4.2 6.4

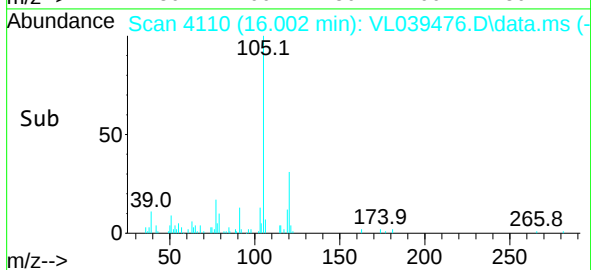
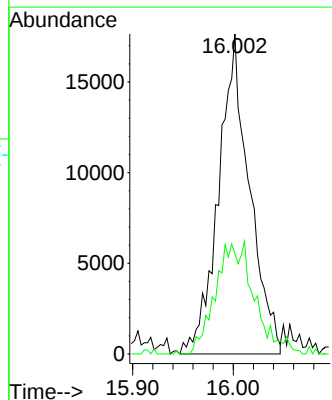
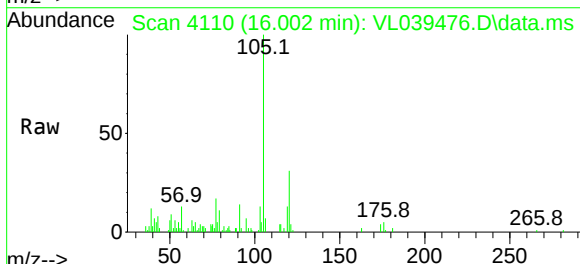
Manual Integrations
APPROVED

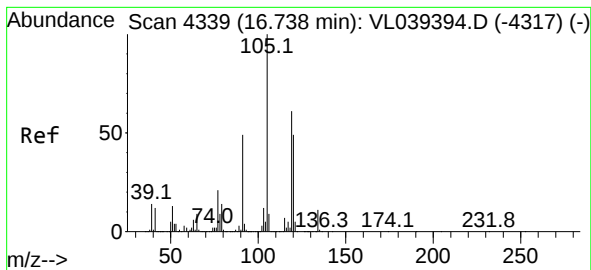
Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.109 ppbv
RT: 16.002 min Scan# 4110
Delta R.T. 0.029 min
Lab File: VL039476.D
Acq: 13 Jul 2022 22:49

Tgt Ion:105 Resp: 37708
Ion Ratio Lower Upper
105 100
120 31.3 38.2 57.4#





#74

1,2,4-Trimethylbenzene

Concen: 0.309 ppbv

RT: 16.760 min Scan# 41

Delta R.T. 0.022 min

Lab File: VL039476.D

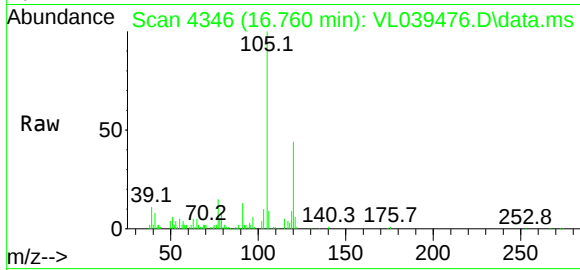
Acq: 13 Jul 2022 22:49

Instrument :

MSVOA_L

ClientSampleId :

SG-9DL



Tgt Ion:	105	Resp:	11803
Ion	Ratio	Lower	Upper
105	100		
120	44.8	39.5	59.3
91	12.0	39.2	58.8
77	14.0	17.2	25.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/14/2022
Supervised By :Mahesh Dadoda 07/14/2022

