

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
 Data File : VL039187.D
 Acq On : 6 Jun 2022 15:31
 Operator : SY/AP
 Sample : N3110-02 5X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-9

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/07/2022
 Supervised By :Mahesh Dadoda 06/07/2022

Quant Time: Jun 06 16:09:01 2022

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 06 16:09:01 2022

QLast Update : Wed Jun 01 01:22:18 2022

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.664	49	1233808	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.169	114	3401846	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.079	117	3084810	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	2375169	9.313	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.100%
Target Compounds						
						Qvalue
4) Chloromethane	3.144	50	13963m	0.173	ppbv	
9) Propene	3.021	41	15293m	0.223	ppbv	
11) Trichlorofluoromethane	3.954	101	83600	0.426	ppbv	97
13) Ethanol	3.603	45	78433m	21.010	ppbv	
15) Acetone	3.854	43	237989m	1.852	ppbv	
17) tert-Butyl alcohol	4.301	59	18418m	0.185	ppbv	
19) Isopropyl Alcohol	3.976	45	32298m	0.536	ppbv	
20) Methylene Chloride	4.346	84	60729	1.121	ppbv	91
26) Hexane	5.687	57	114300m	0.898	ppbv	
27) Carbon Disulfide	4.552	76	18583m	0.141	ppbv	
29) Chloroform	5.748	83	52641m	0.246	ppbv	
34) 2-Butanone	5.253	43	68911m	0.373	ppbv	
38) Trichloroethene	7.828	130	15561m	0.123	ppbv	
51) 2-Hexanone	10.137	43	41708m	0.194	ppbv	
52) Tetrachloroethene	11.208	164	80347m	0.745	ppbv	
53) Toluene	9.796	91	122491	0.385	ppbv	97
58) Ethyl Benzene	12.703	91	88450	0.208	ppbv #	79
59) m/p-Xylene	12.957	91	367113m	0.981	ppbv	
60) o-Xylene	13.687	91	160618m	0.457	ppbv	
64) n-propylbenzene	15.561	120	17027m	0.133	ppbv	
65) tert-Butylbenzene	16.748	119	50154m	0.105	ppbv	
70) n-Butylbenzene	18.542	91	58110m	0.103	ppbv	
72) 4-Ethyltoluene	15.834	105	102713m	0.249	ppbv	
73) 1,3,5-Trimethylbenzene	15.986	105	96051m	0.258	ppbv	
74) 1,2,4-Trimethylbenzene	16.751	105	388243	0.936	ppbv #	62
79) Naphthalene	22.185	128	43454m	0.136	ppbv	

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

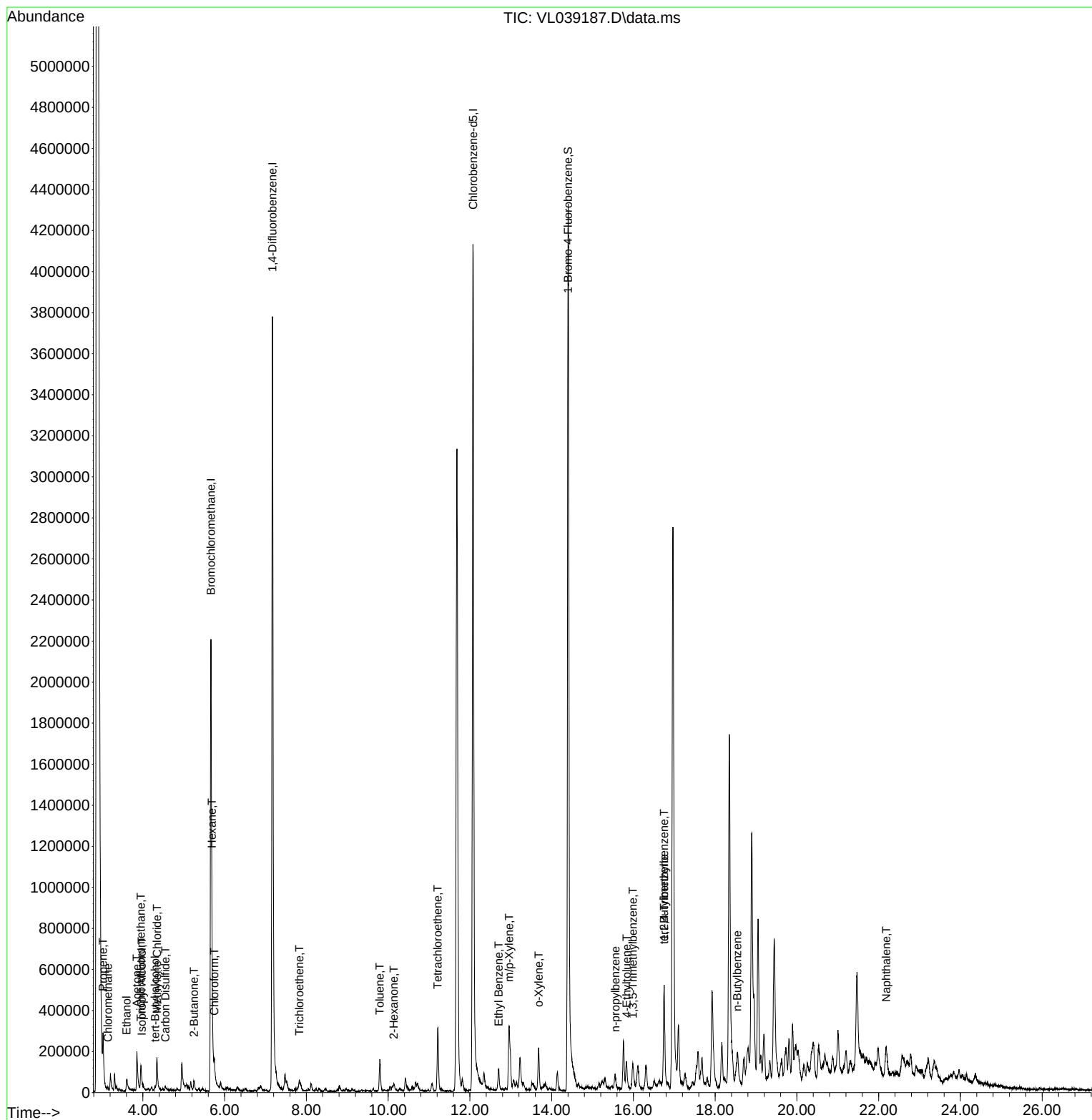
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
Data File : VL039187.D
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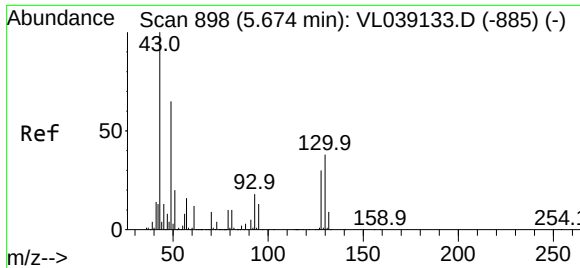
Instrument :
MSVOA_L
ClientSampleId :
SG-9

Quant Time: Jun 06 16:09:01 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun
QLast Update : Wed Jun 01 01:22:18 2022
Response via : Initial Calibration

Manual Integrations
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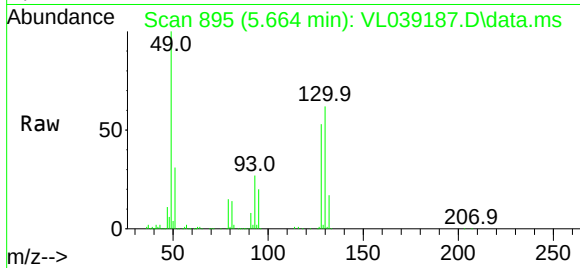
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.664 min Scan# 898
Delta R.T. -0.010 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

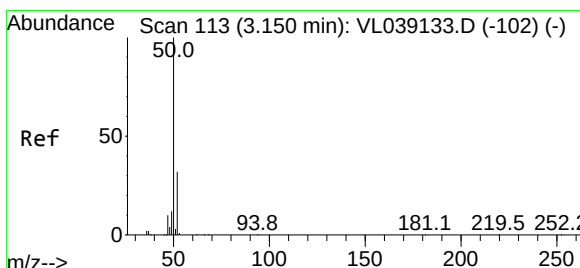
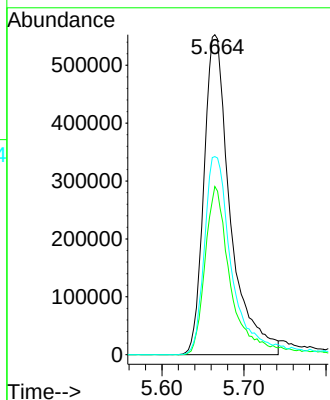
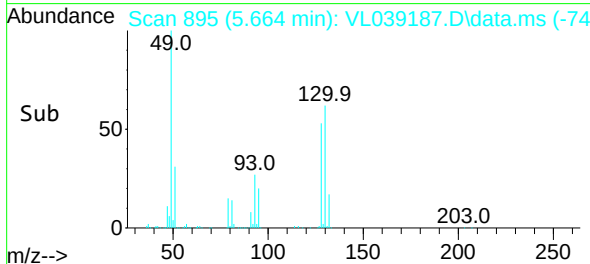
Instrument :
MSVOA_L
ClientSampleId :
SG-9



Tgt Ion: 49 Resp: 123380
Ion Ratio Lower Upper
49 100
128 53.8 24.7 74.1
130 67.4 31.4 94.0

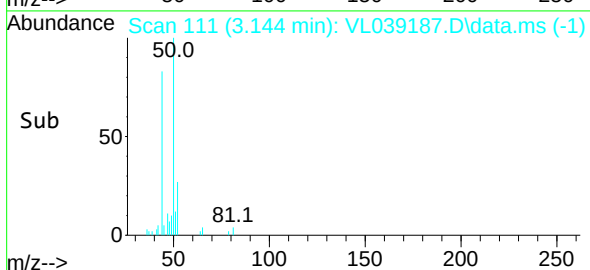
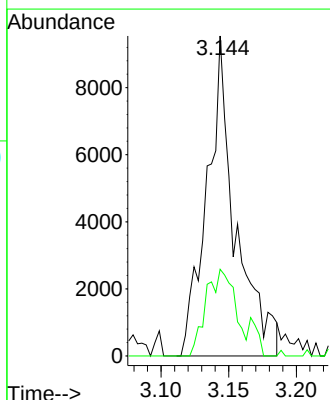
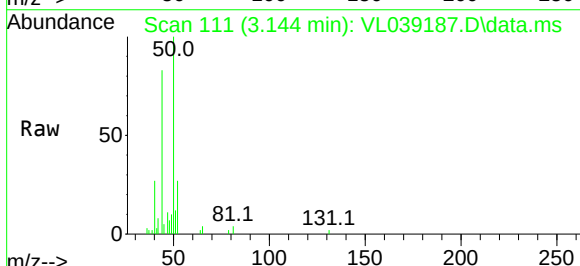
Manual Integrations
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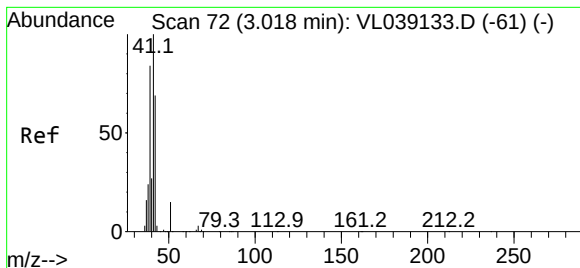
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#4
Chloromethane
Concen: 0.173 ppbv m
RT: 3.144 min Scan# 111
Delta R.T. -0.006 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

Tgt Ion: 50 Resp: 13963
Ion Ratio Lower Upper
50 100
52 27.1 25.9 38.9





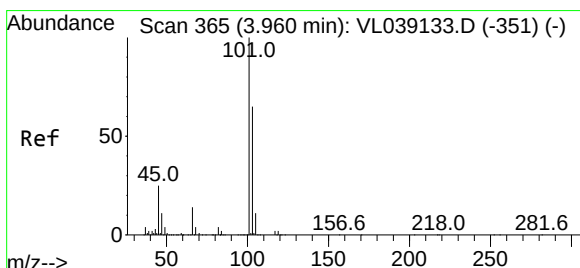
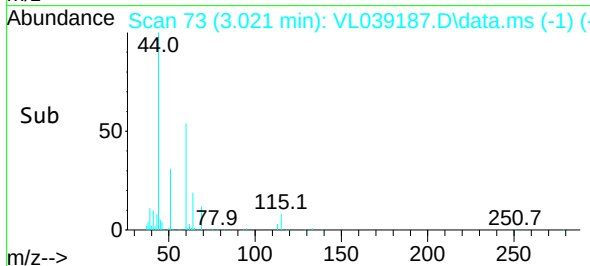
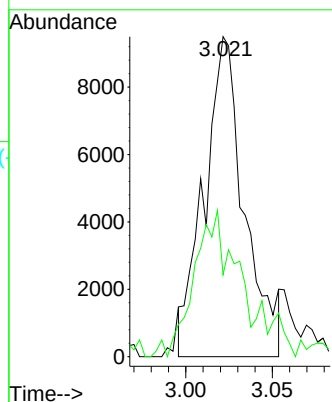
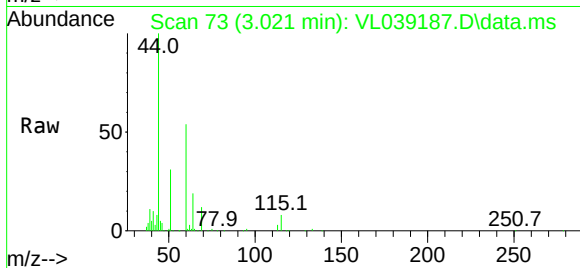
#9
Propene
Concen: 0.223 ppbv m
RT: 3.021 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

Instrument :
MSVOA_L
ClientSampleId :
SG-9

Tgt Ion: 41 Resp: 1529
Ion Ratio Lower Upper
41 100
42 58.9 55.4 83.2

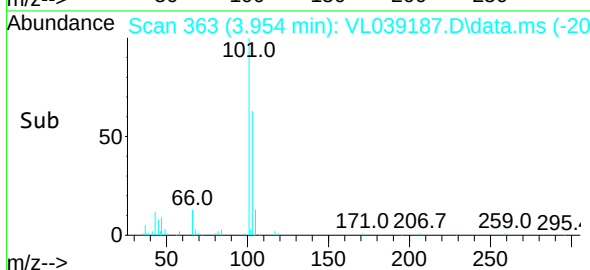
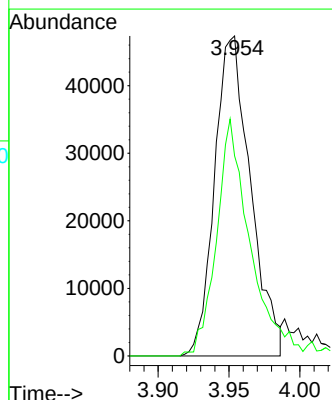
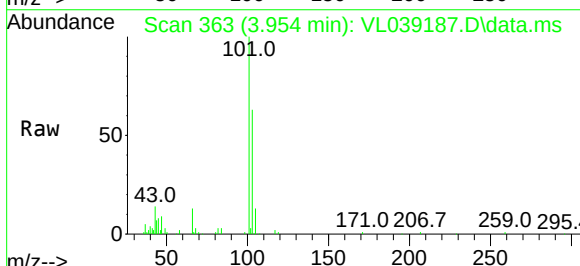
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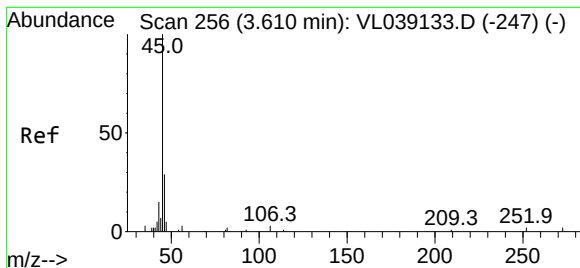
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#11
Trichlorofluoromethane
Concen: 0.426 ppbv
RT: 3.954 min Scan# 363
Delta R.T. -0.006 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

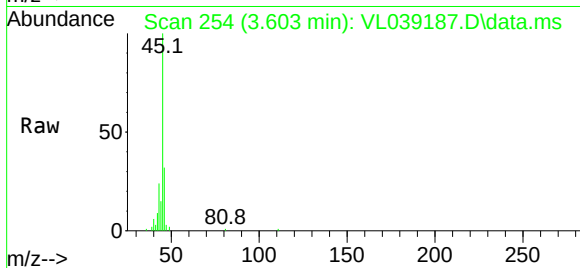
Tgt Ion:101 Resp: 83600
Ion Ratio Lower Upper
101 100
103 62.5 51.7 77.5





#13
Ethanol
Concen: 21.010 ppbv m
RT: 3.603 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

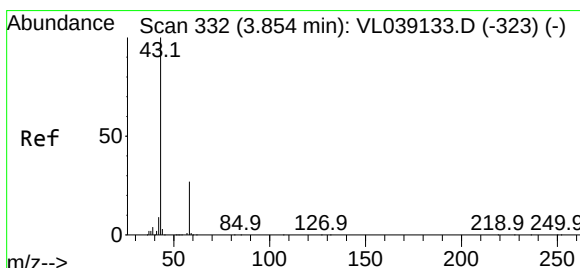
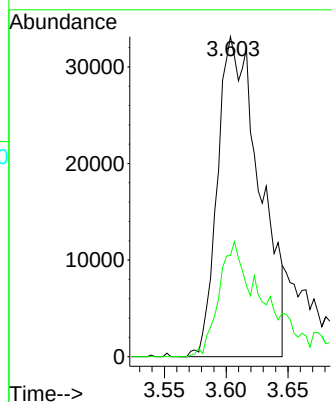
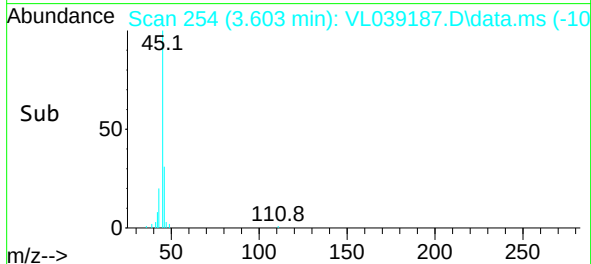
Instrument :
MSVOA_L
ClientSampleId :
SG-9



Tgt Ion: 45 Resp: 7843
Ion Ratio Lower Upper
45 100
46 45.5 0.0 0.0

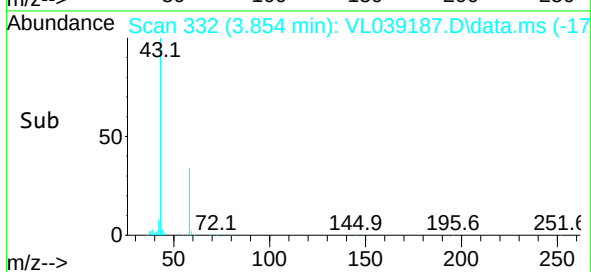
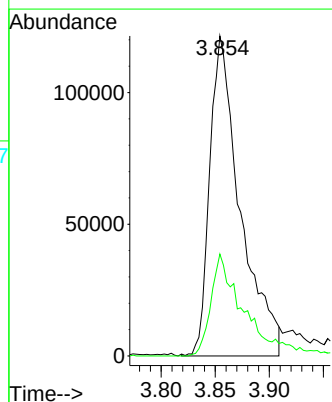
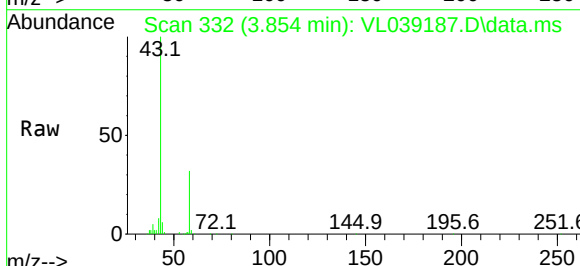
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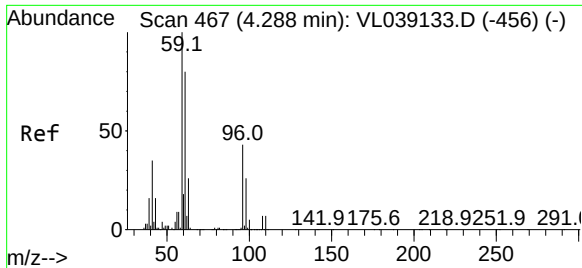
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#15
Acetone
Concen: 1.852 ppbv m
RT: 3.854 min Scan# 332
Delta R.T. -0.000 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

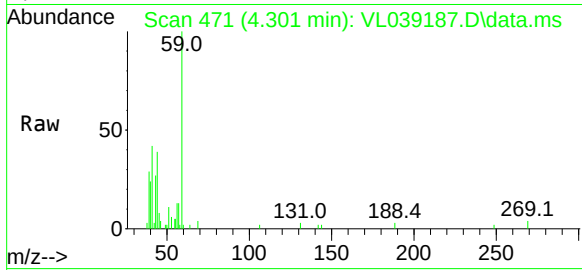
Tgt Ion: 43 Resp: 237989
Ion Ratio Lower Upper
43 100
58 34.9 22.5 33.7





#17
tert-Butyl alcohol
Concen: 0.185 ppbv m
RT: 4.301 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

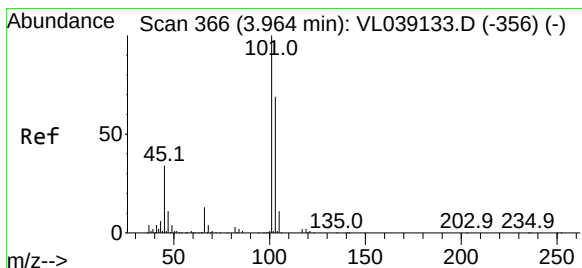
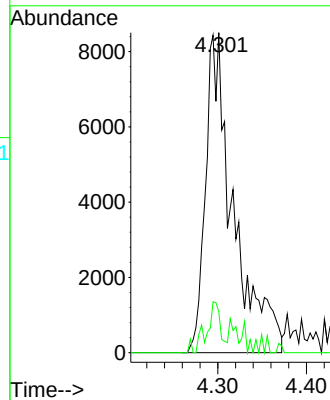
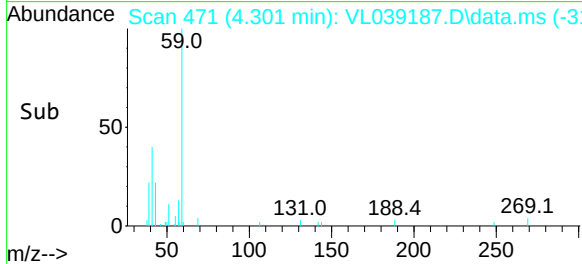
Instrument :
MSVOA_L
ClientSampleId :
SG-9



Tgt Ion: 59 Resp: 18418
Ion Ratio Lower Upper
59 100
57 14.1 9.1 13.7

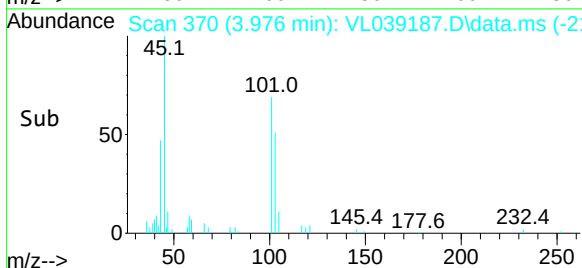
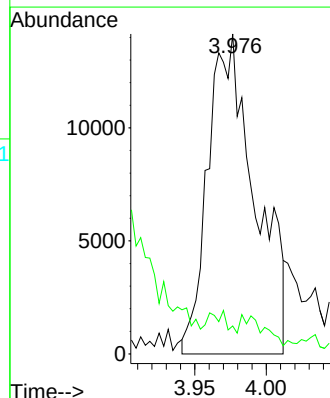
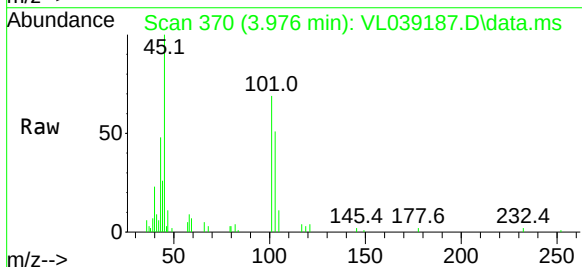
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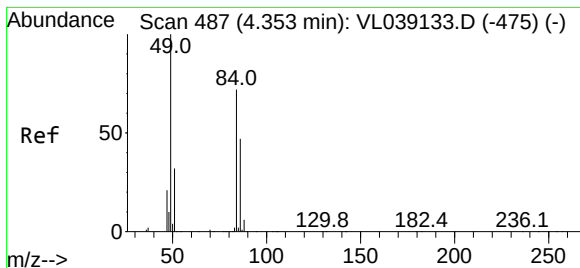
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#19
Isopropyl Alcohol
Concen: 0.536 ppbv m
RT: 3.976 min Scan# 370
Delta R.T. 0.013 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

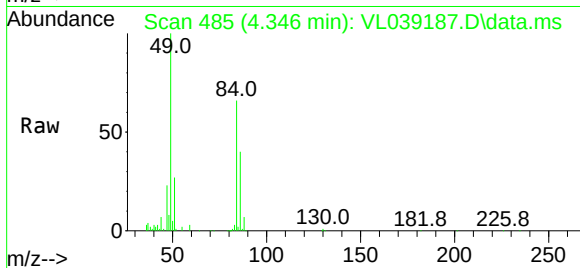
Tgt Ion: 45 Resp: 32298
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8





#20
Methylene Chloride
Concen: 1.121 ppbv
RT: 4.346 min Scan# 41
Delta R.T. -0.006 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

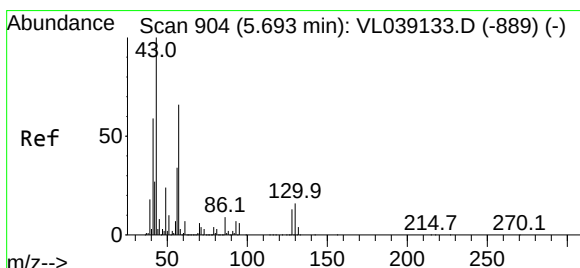
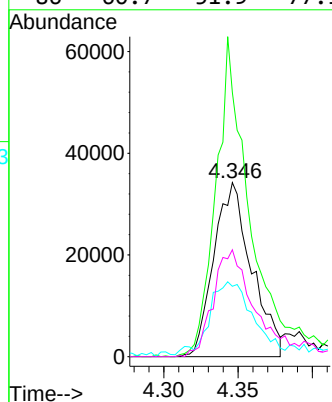
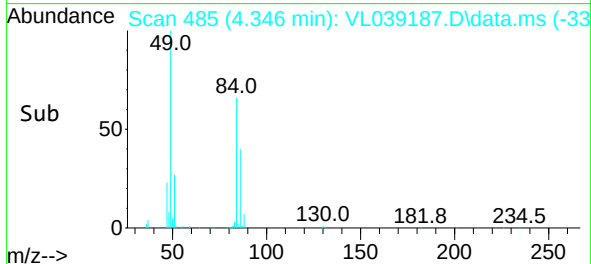
Instrument :
MSVOA_L
ClientSampleId :
SG-9



Tgt Ion: 84 Resp: 60729
Ion Ratio Lower Upper
84 100
49 150.6 111.1 166.7
51 37.7 35.3 52.9
86 60.7 51.9 77.9

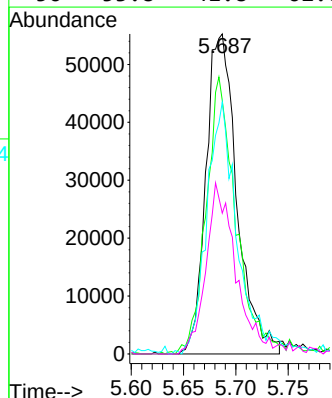
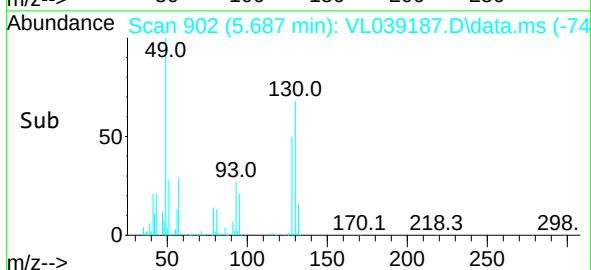
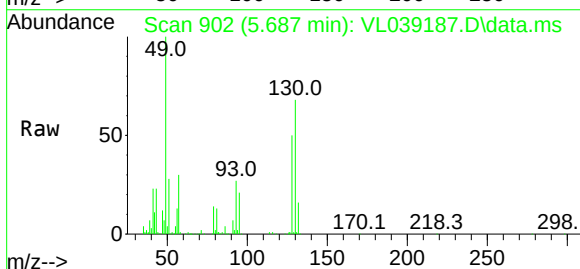
Manual Integrations
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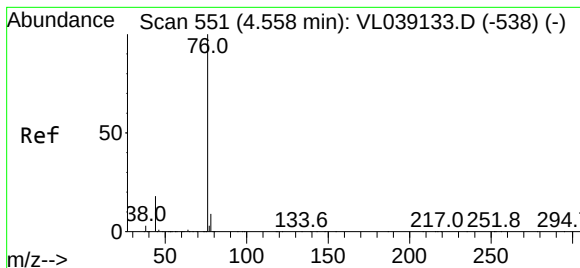
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#26
Hexane
Concen: 0.898 ppbv m
RT: 5.687 min Scan# 902
Delta R.T. -0.006 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

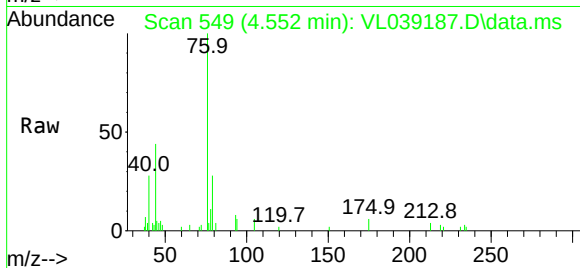
Tgt Ion: 57 Resp: 114300
Ion Ratio Lower Upper
57 100
41 85.4 72.4 108.6
43 80.2 187.0 280.6#
56 53.8 41.8 62.6





#27
Carbon Disulfide
Concen: 0.141 ppbv m
RT: 4.552 min Scan# 549
Delta R.T. -0.006 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

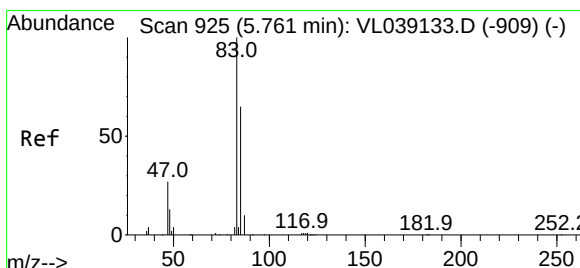
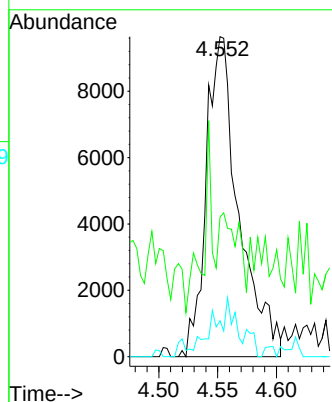
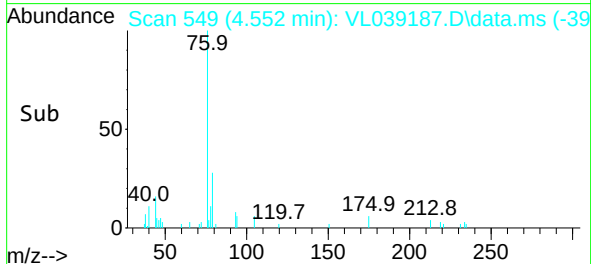
Instrument :
MSVOA_L
ClientSampleId :
SG-9



Tgt Ion: 76 Resp: 1858
Ion Ratio Lower Upper
76 100
44 0.0 14.4 21.6
78 16.7 7.7 11.5

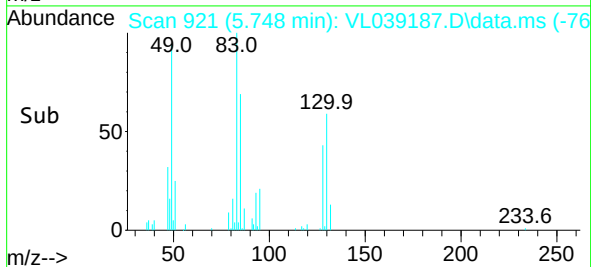
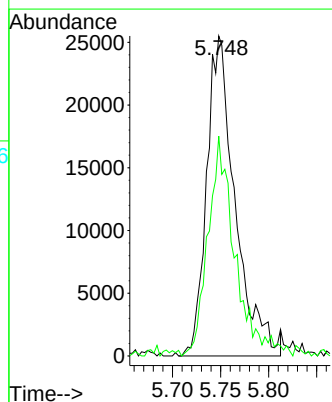
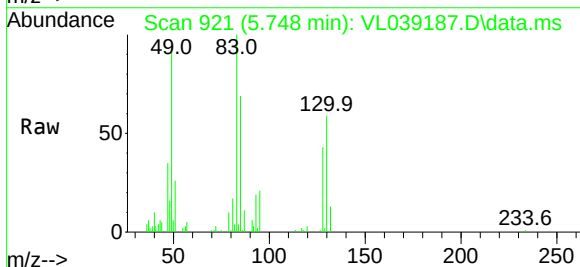
Manual Integrations
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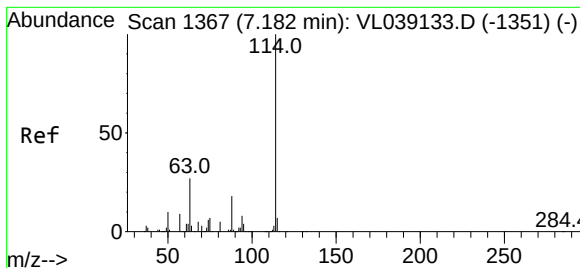
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#29
Chloroform
Concen: 0.246 ppbv m
RT: 5.748 min Scan# 921
Delta R.T. -0.013 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

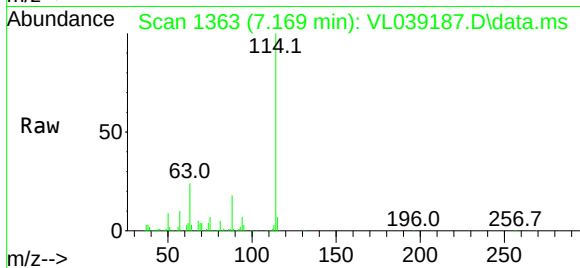
Tgt Ion: 83 Resp: 52641
Ion Ratio Lower Upper
83 100
85 68.7 52.4 78.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

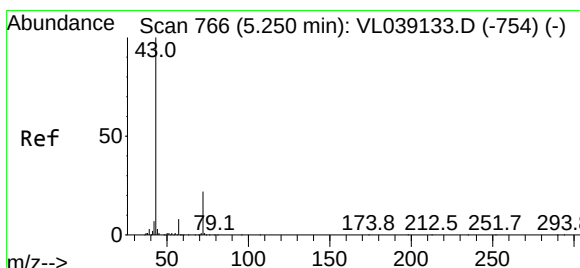
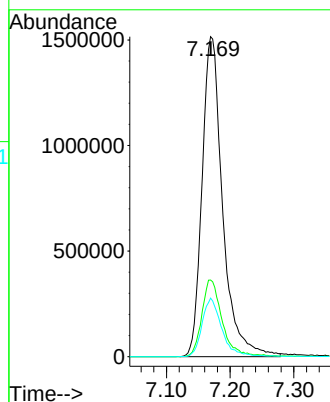
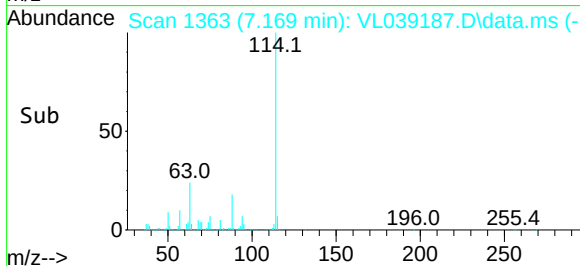
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SG-9



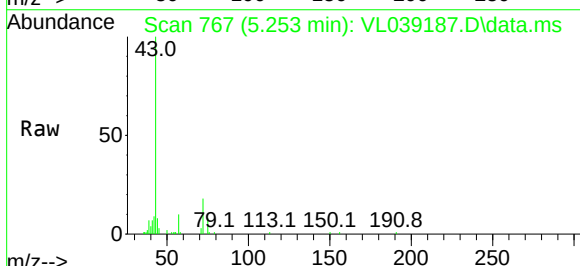
Tgt Ion:114 Resp: 340184
Ion Ratio Lower Upper
114 100
63 24.0 21.7 32.5
88 17.8 14.8 22.2

Manual Integrations
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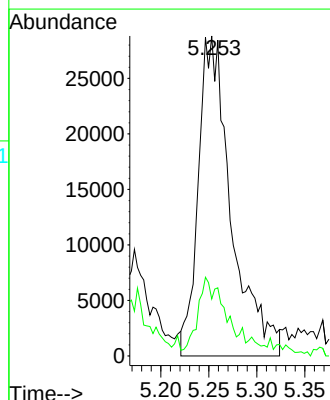
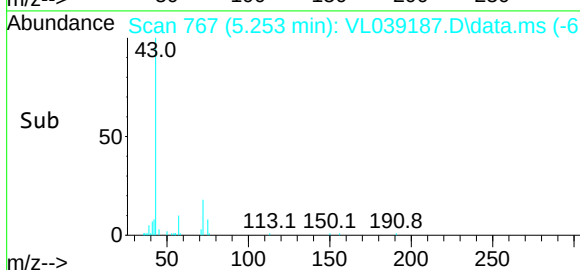
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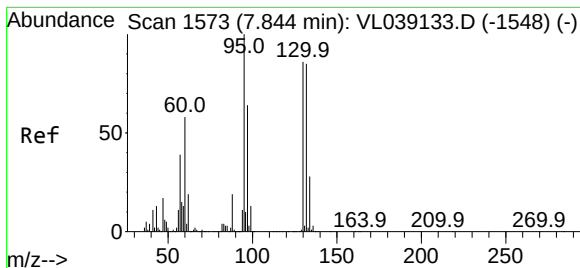


#34
2-Butanone
Concen: 0.373 ppbv m
RT: 5.253 min Scan# 767
Delta R.T. 0.003 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31



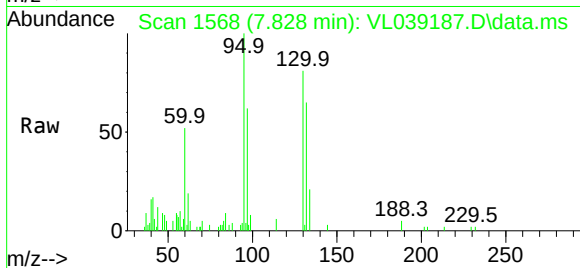
Tgt Ion: 43 Resp: 68911
Ion Ratio Lower Upper
43 100
72 25.5 18.2 27.2





#38
Trichloroethene
Concen: 0.123 ppbv m
RT: 7.828 min Scan# 1568
Delta R.T. -0.016 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

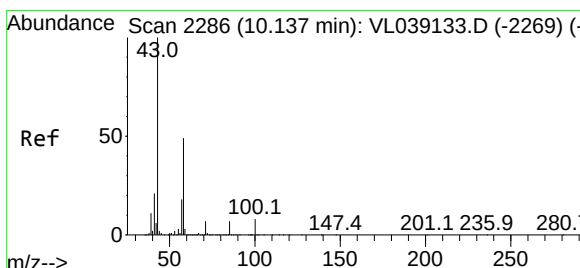
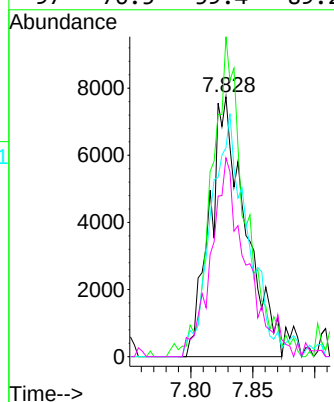
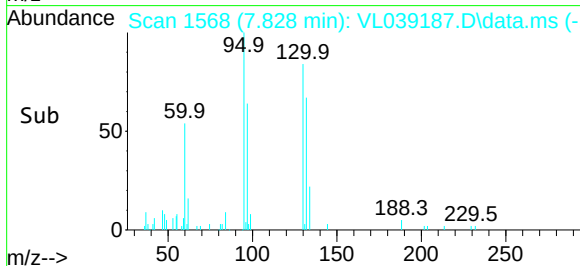
Instrument :
MSVOA_L
ClientSampleId :
SG-9



Tgt Ion	Ratio	Lower	Upper
130	100		
95	123.2	93.3	139.9
132	80.4	79.0	118.4
97	76.5	59.4	89.2

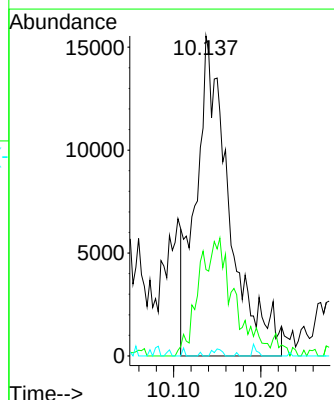
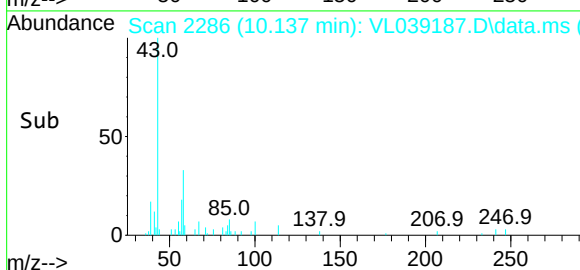
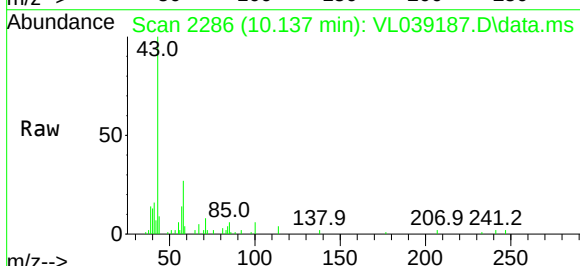
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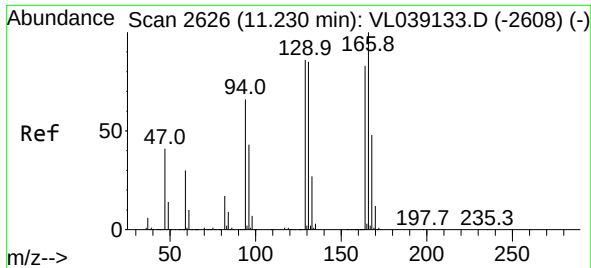
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#51
2-Hexanone
Concen: 0.194 ppbv m
RT: 10.137 min Scan# 2286
Delta R.T. -0.000 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

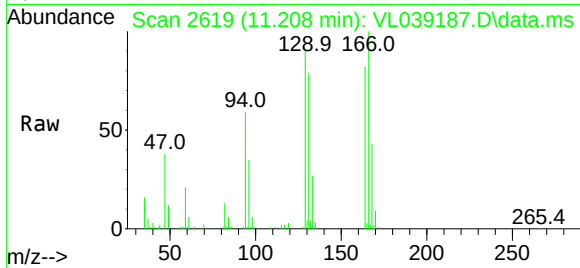
Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	40.0	60.0#
98	0.3	0.1	0.1#





#52
Tetrachloroethene
Concen: 0.745 ppbv m
RT: 11.208 min Scan# 2180
Delta R.T. -0.023 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

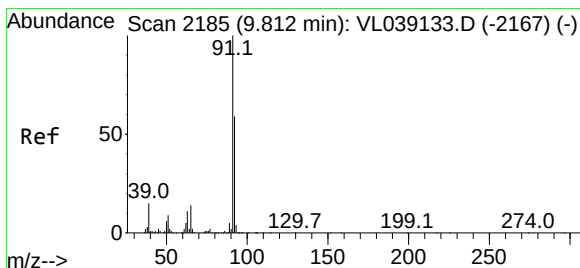
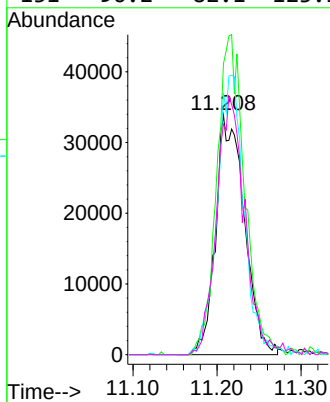
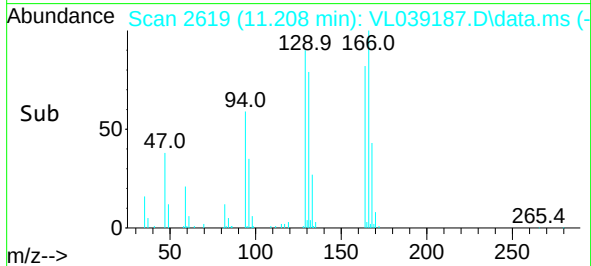
Instrument :
MSVOA_L
ClientSampleId :
SG-9



Tgt Ion:164 Resp: 8034
Ion Ratio Lower Upper
164 100
166 121.5 96.3 144.5
129 109.3 82.5 123.7
131 96.2 82.1 123.1

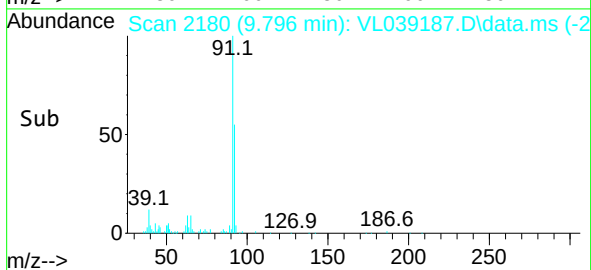
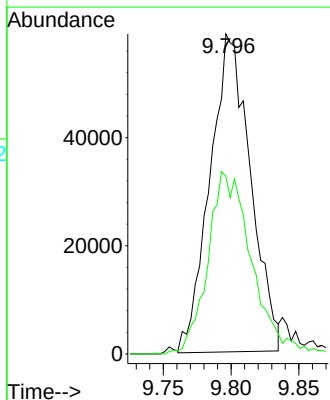
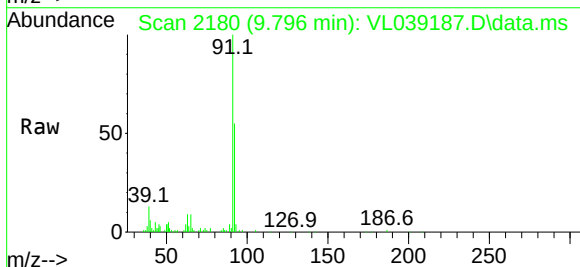
Manual Integrations
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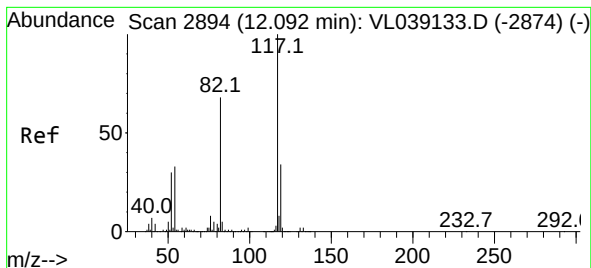
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#53
Toluene
Concen: 0.385 ppbv
RT: 9.796 min Scan# 2180
Delta R.T. -0.016 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

Tgt Ion: 91 Resp: 122491
Ion Ratio Lower Upper
91 100
92 62.6 48.1 72.1





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.079 min Scan# 2894

Delta R.T. -0.013 min

Lab File: VL039187.D

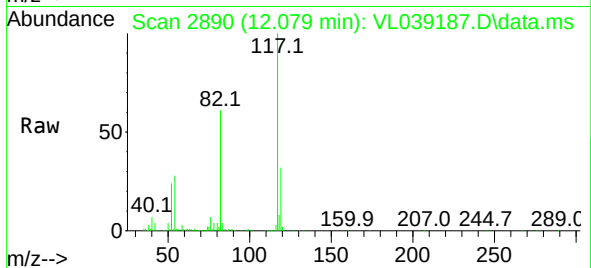
Acq: 6 Jun 2022 15:31

Instrument :

MSVOA_L

ClientSampleId :

SG-9



Tgt Ion:117 Resp: 3084810

Ion Ratio Lower Upper

117 100

82 65.9 55.1 82.7

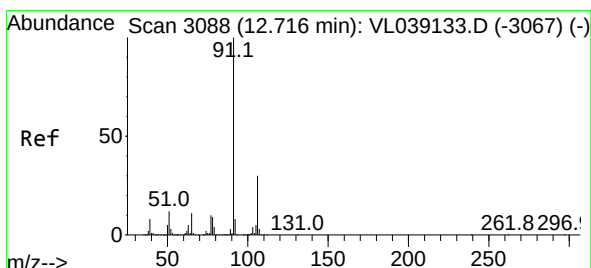
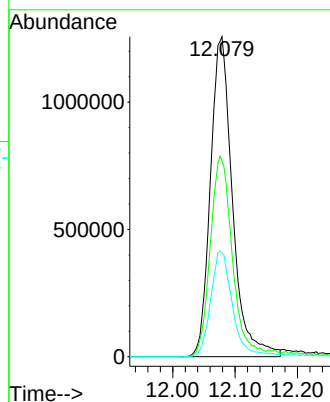
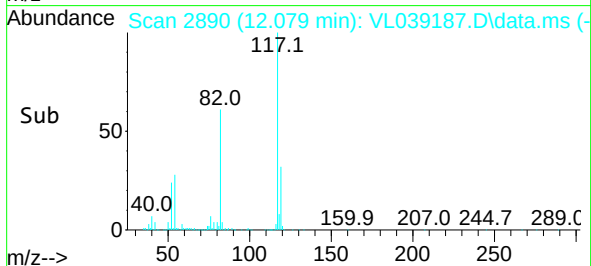
119 32.8 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/07/2022

Supervised By :Mahesh Dadoda 06/07/2022



#58

Ethyl Benzene

Concen: 0.208 ppbv

RT: 12.703 min Scan# 3084

Delta R.T. -0.013 min

Lab File: VL039187.D

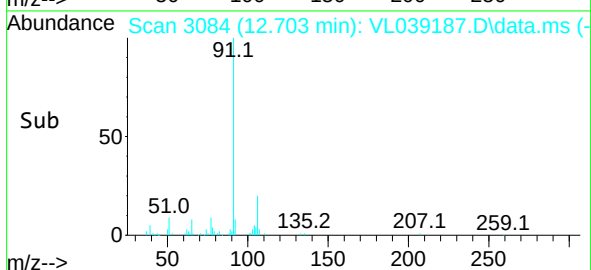
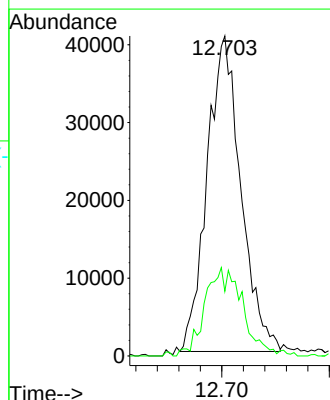
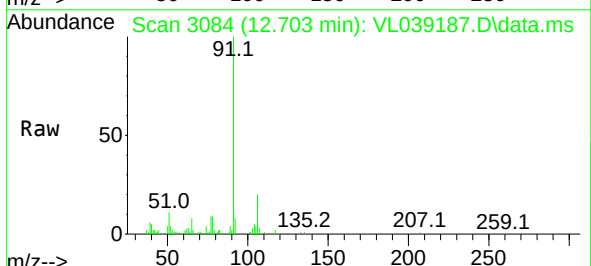
Acq: 6 Jun 2022 15:31

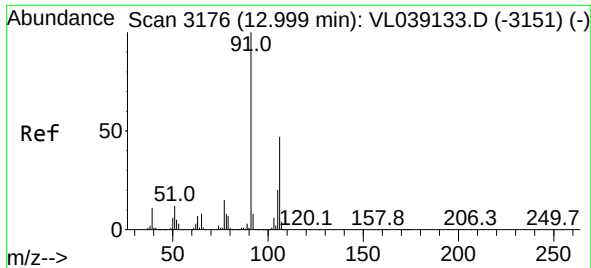
Tgt Ion: 91 Resp: 88450

Ion Ratio Lower Upper

91 100

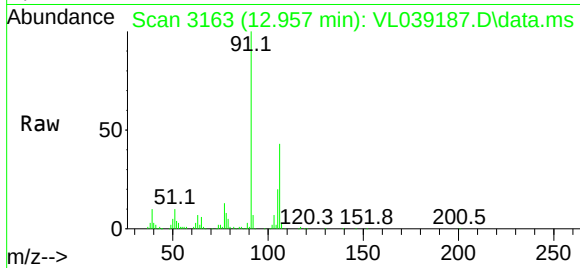
106 18.9 24.2 36.4#





#59
m/p-Xylene
Concen: 0.981 ppbv m
RT: 12.957 min Scan# 3176
Delta R.T. -0.042 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

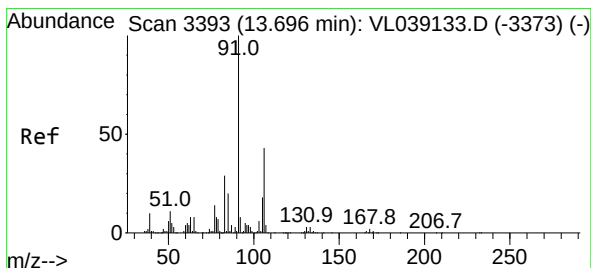
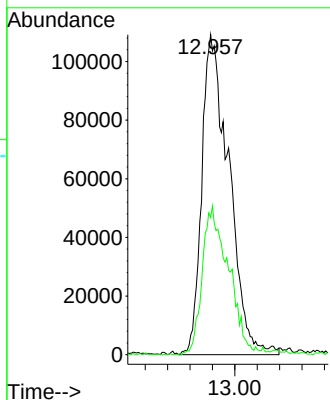
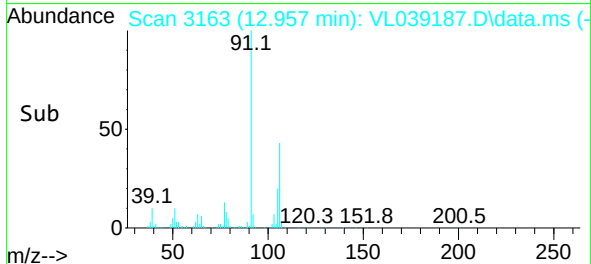
Instrument :
MSVOA_L
ClientSampleId :
SG-9



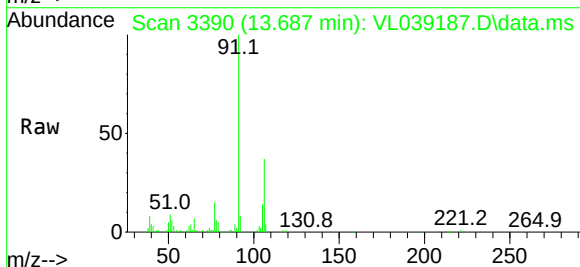
Tgt Ion: 91 Resp: 36711
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5

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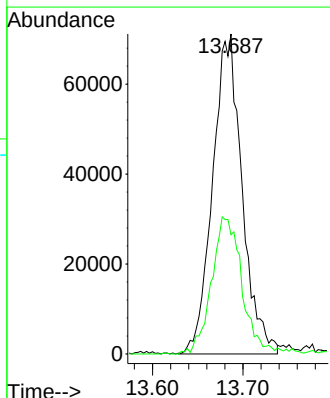
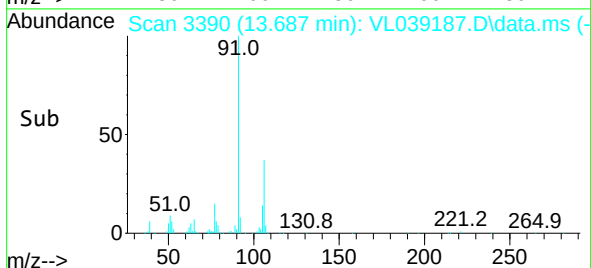
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

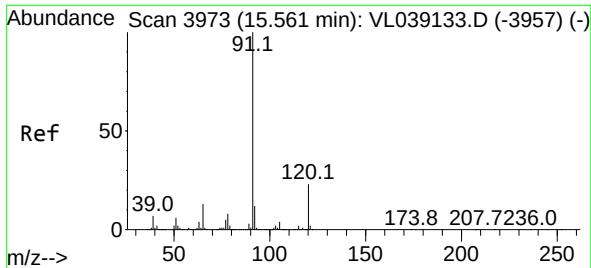


#60
o-Xylene
Concen: 0.457 ppbv m
RT: 13.687 min Scan# 3390
Delta R.T. -0.010 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31



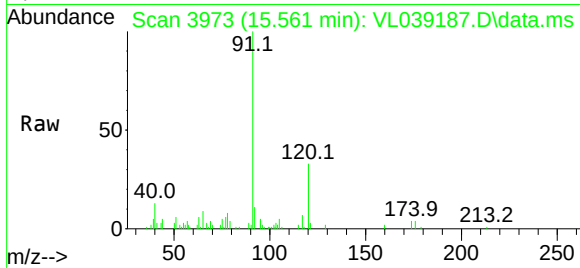
Tgt Ion: 91 Resp: 160618
Ion Ratio Lower Upper
91 100
106 44.8 22.3 66.9





#64
n-propylbenzene
Concen: 0.133 ppbv m
RT: 15.561 min Scan# 3973
Delta R.T. -0.000 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

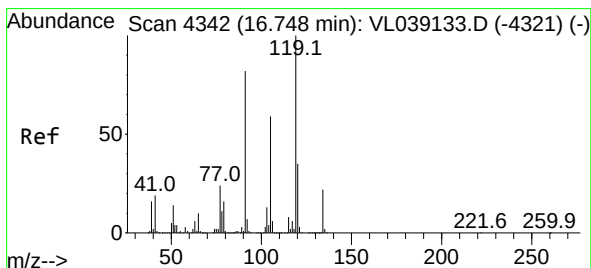
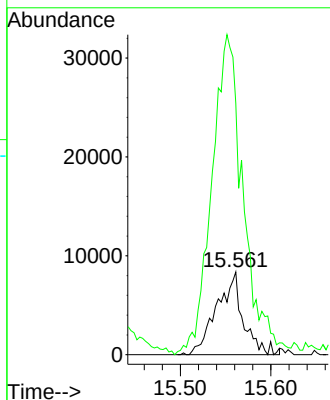
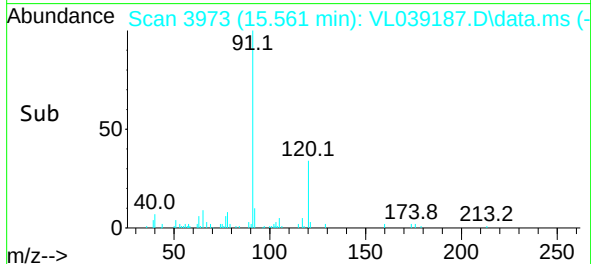
Instrument :
MSVOA_L
ClientSampleId :
SG-9



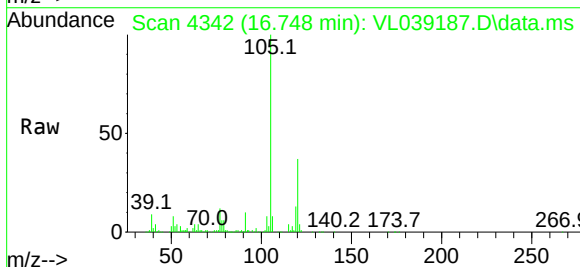
Tgt Ion:120 Resp: 1702
Ion Ratio Lower Upper
120 100
91 447.9 388.4 582.6

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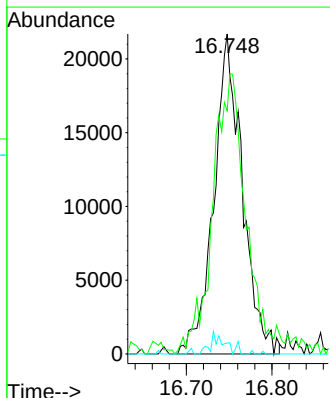
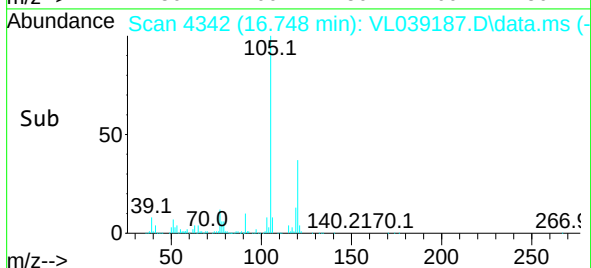
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

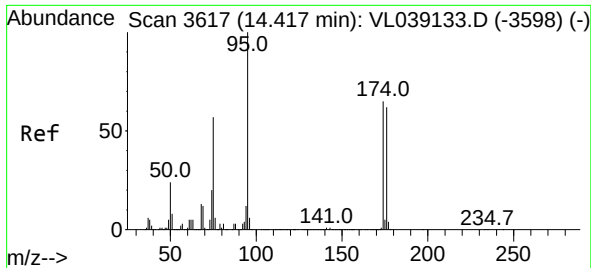


#65
tert-Butylbenzene
Concen: 0.105 ppbv m
RT: 16.748 min Scan# 4342
Delta R.T. -0.000 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31



Tgt Ion:119 Resp: 50154
Ion Ratio Lower Upper
119 100
91 105.5 67.1 100.7#
134 3.7 15.8 23.8#





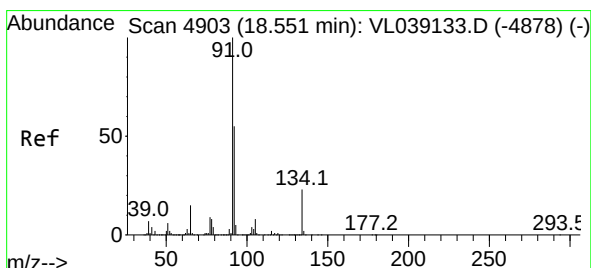
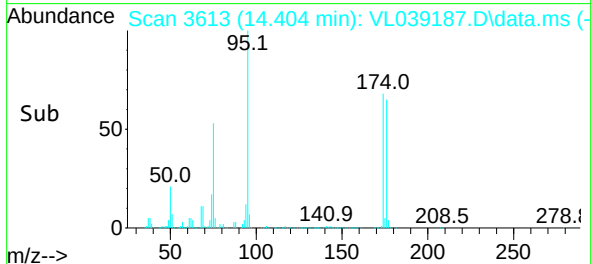
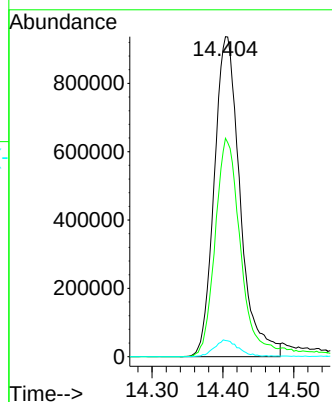
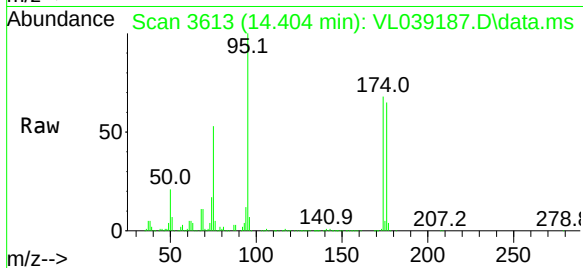
#68
1-Bromo-4-Fluorobenzene
Concen: 9.313 ppbv
RT: 14.404 min Scan# 3613
Delta R.T. -0.013 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

Instrument :
MSVOA_L
ClientSampleId :
SG-9

Tgt Ion: 95 Resp: 2375169
Ion Ratio Lower Upper
95 100
174 71.2 53.8 80.8
175 5.0 4.1 6.1

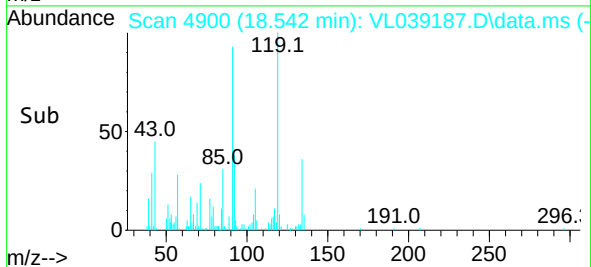
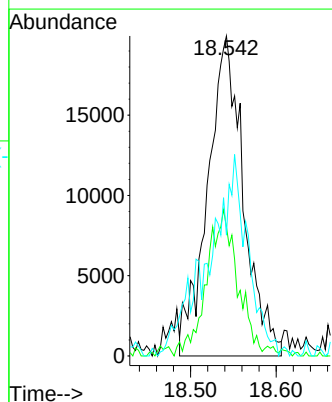
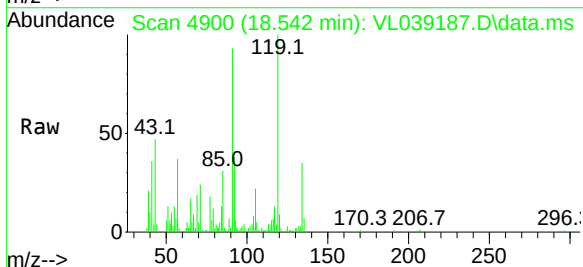
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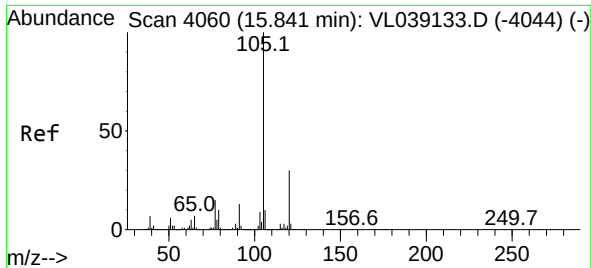
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#70
n-Butylbenzene
Concen: 0.103 ppbv m
RT: 18.542 min Scan# 4900
Delta R.T. -0.010 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

Tgt Ion: 91 Resp: 58110
Ion Ratio Lower Upper
91 100
92 41.6 43.6 65.4#
134 0.0 17.7 26.5#





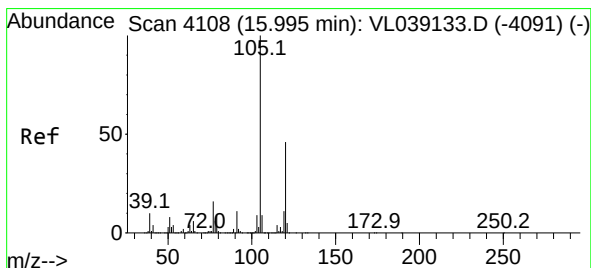
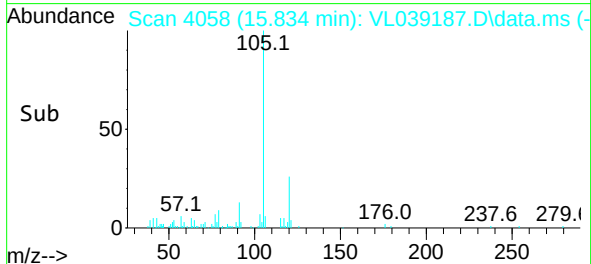
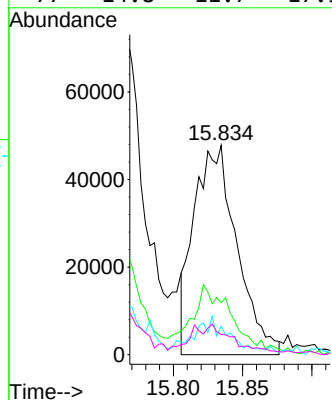
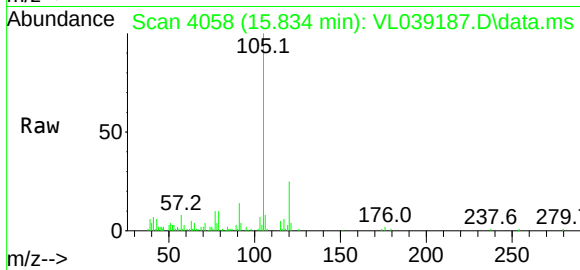
#72
4-Ethyltoluene
Concen: 0.249 ppbv m
RT: 15.834 min Scan# 4060
Delta R.T. -0.006 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

Instrument :
MSVOA_L
ClientSampleId :
SG-9

Tgt Ion:105 Resp: 10271
Ion Ratio Lower Upper
105 100
120 34.1 23.9 35.9
91 17.2 10.6 16.0
77 14.8 11.7 17.5

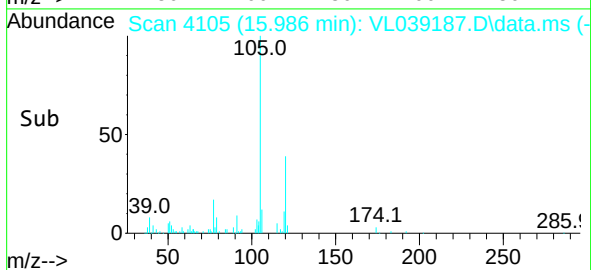
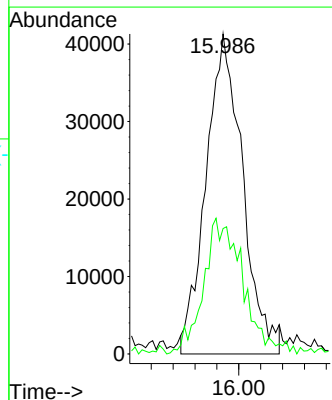
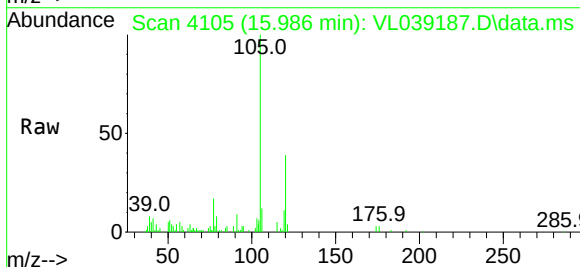
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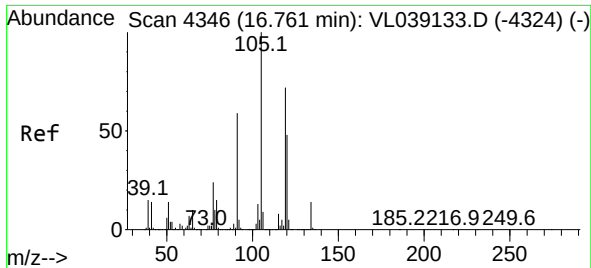
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.258 ppbv m
RT: 15.986 min Scan# 4105
Delta R.T. -0.010 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

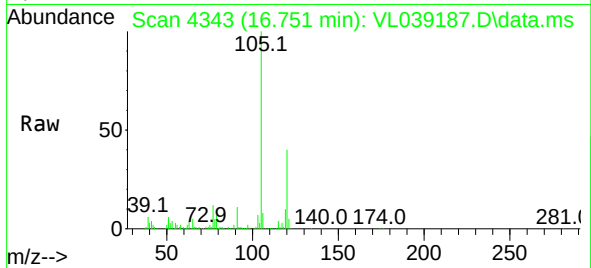
Tgt Ion:105 Resp: 96051
Ion Ratio Lower Upper
105 100
120 39.2 36.7 55.1





#74
1,2,4-Trimethylbenzene
Concen: 0.936 ppbv
RT: 16.751 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31

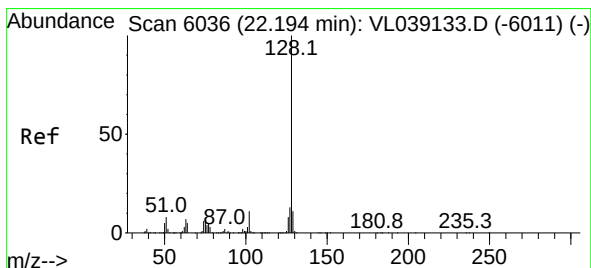
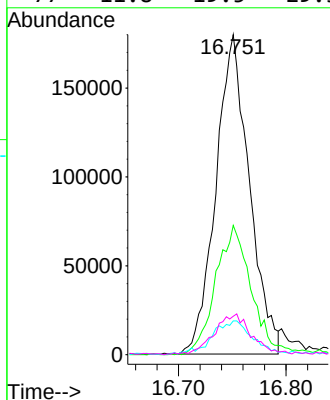
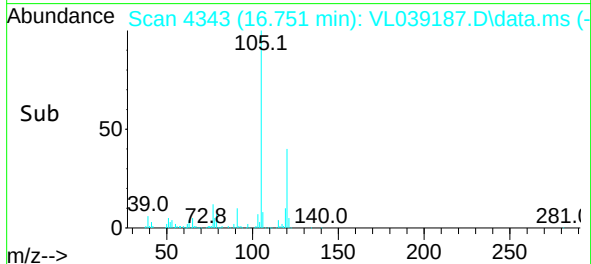
Instrument :
MSVOA_L
ClientSampleId :
SG-9



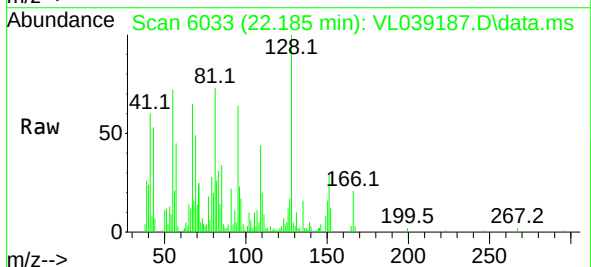
Tgt Ion:105 Resp: 38824
Ion Ratio Lower Upper
105 100
120 40.1 38.1 57.1
91 10.4 47.4 71.0
77 11.8 19.5 29.3

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#79
Naphthalene
Concen: 0.136 ppbv m
RT: 22.185 min Scan# 6033
Delta R.T. -0.010 min
Lab File: VL039187.D
Acq: 6 Jun 2022 15:31



Tgt Ion:128 Resp: 43454
Ion Ratio Lower Upper
128 100
127 17.2 10.4 15.6#
129 4.7 9.0 13.6#

