

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
 Data File : VL039193.D
 Acq On : 6 Jun 2022 20:40
 Operator : SY/AP
 Sample : N3110-03DL 20X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3DL

Manual Integrations
 APPROVED

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

Quant Time: Jun 07 03:20:07 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 07 03:20:07 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	5.661	49	1179404	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.169	114	3264929	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.079	117	2899555	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.407	95	2230256	9.304	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.000%
Target Compounds						
					Qvalue	
5) Vinyl Chloride	3.263	62	12158m	0.169	ppbv	
9) Propene	3.022	41	124162	1.898	ppbv	83
10) Heptane	8.115	43	29839m	0.195	ppbv	
11) Trichlorofluoromethane	3.954	101	235790	1.257	ppbv	99
13) Ethanol	3.613	45	14314m	4.011	ppbv	
15) Acetone	3.864	43	45861	0.373	ppbv #	64
20) Methylene Chloride	4.343	84	77104	1.489	ppbv	88
26) Hexane	5.687	57	164553	1.352	ppbv #	40
27) Carbon Disulfide	4.552	76	24388m	0.193	ppbv	
30) Cyclohexane	7.121	84	15620m	0.153	ppbv	
31) cis-1,2-Dichloroethene	5.539	61	15947m	0.129	ppbv	
38) Trichloroethene	7.828	130	19905	0.163	ppbv #	87
52) Tetrachloroethene	11.221	164	554188	5.355	ppbv	93
53) Toluene	9.799	91	205201	0.672	ppbv	99
58) Ethyl Benzene	12.706	91	54672m	0.137	ppbv	
59) m/p-Xylene	12.966	91	201421m	0.573	ppbv	
60) o-Xylene	13.687	91	67501m	0.204	ppbv	
72) 4-Ethyltoluene	15.835	105	43303m	0.112	ppbv	
74) 1,2,4-Trimethylbenzene	16.751	105	117521m	0.301	ppbv	

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

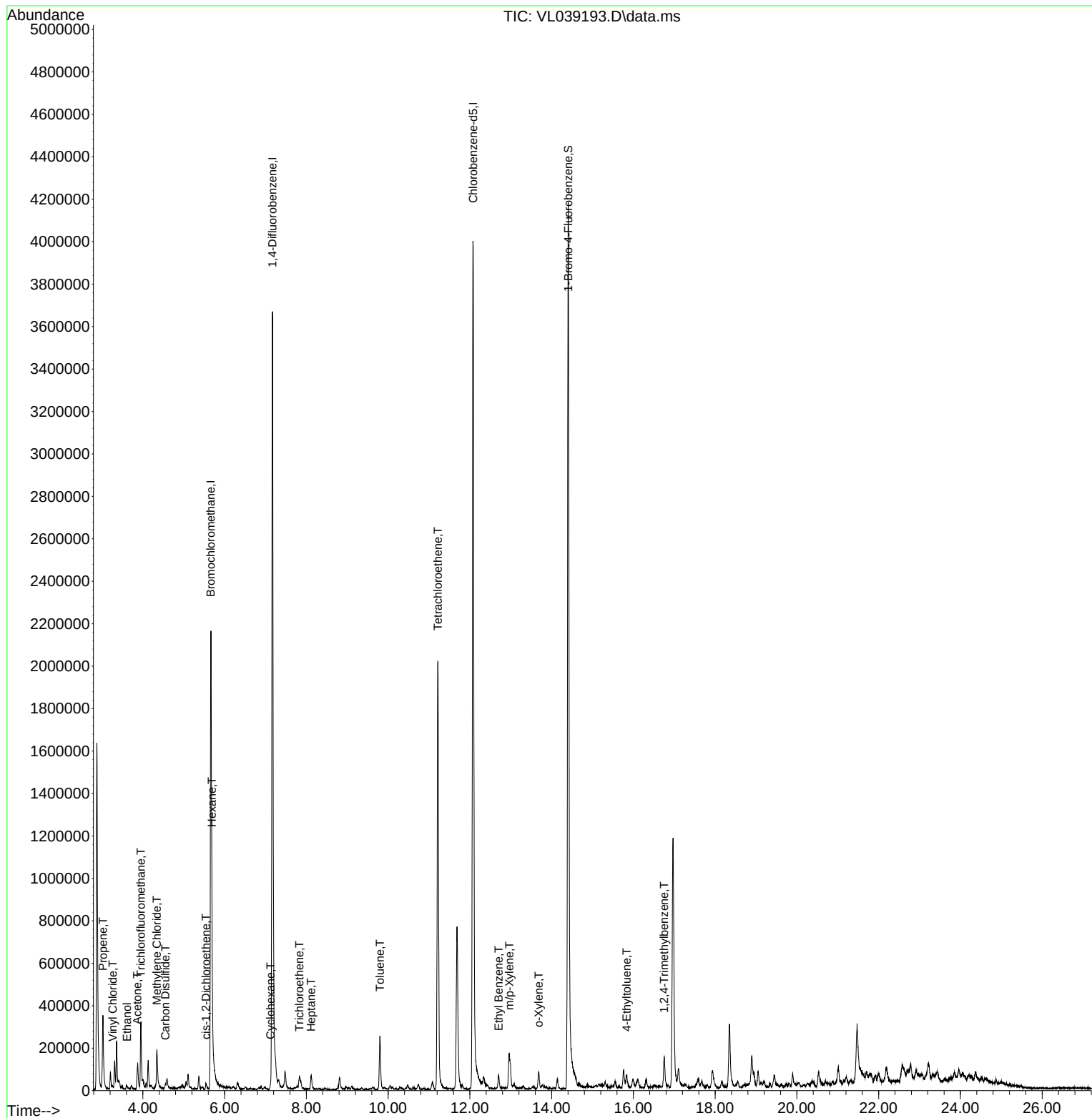
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL060622\
Data File : VL039193.D
Acq On : 6 Jun 2022 20:40
Operator : SY/AP
Sample : N3110-03DL 20X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

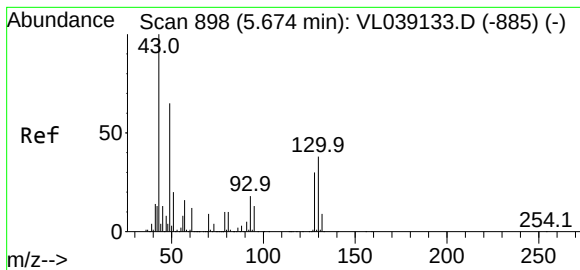
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL

Quant Time: Jun 07 03:20:07 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
APPROVED

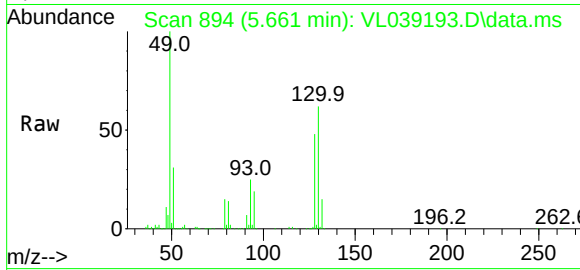
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.661 min Scan# 898
Delta R.T. -0.013 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

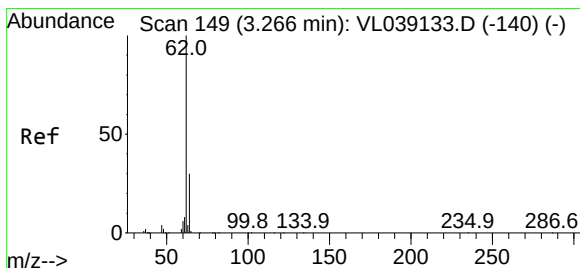
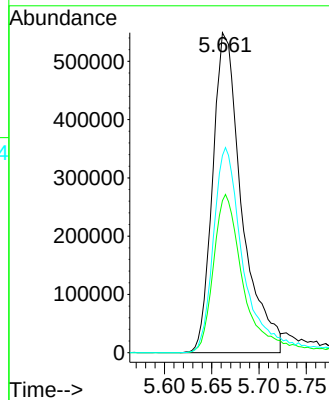
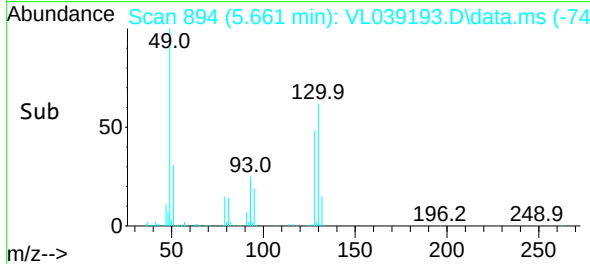
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL



Tgt Ion: 49 Resp: 117940
Ion Ratio Lower Upper
49 100
128 51.9 24.7 74.1
130 69.3 31.4 94.0

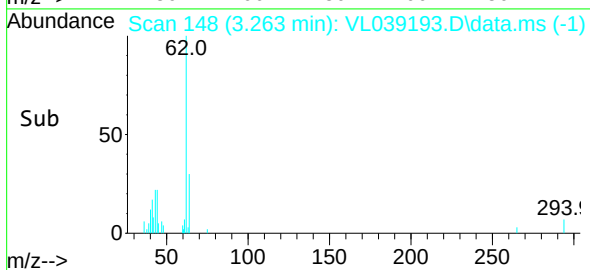
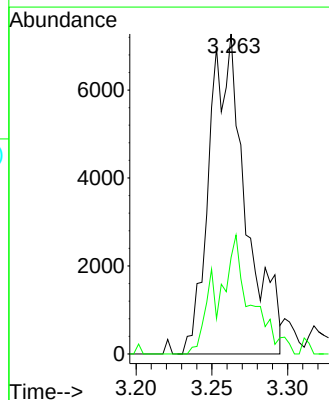
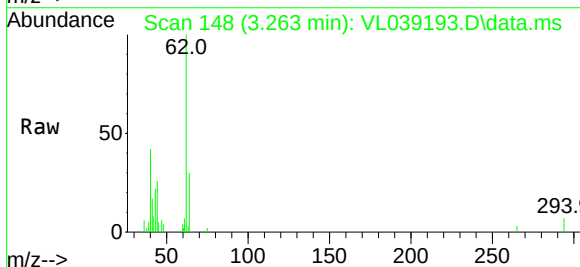
Manual Integrations
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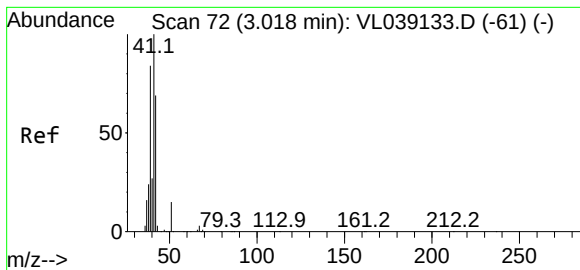
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#5
Vinyl Chloride
Concen: 0.169 ppbv m
RT: 3.263 min Scan# 148
Delta R.T. -0.003 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

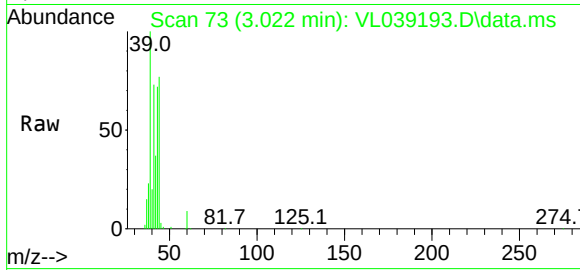
Tgt Ion: 62 Resp: 12158
Ion Ratio Lower Upper
62 100
64 30.2 24.2 36.2





#9
Propene
Concen: 1.898 ppbv
RT: 3.022 min Scan# 71
Delta R.T. 0.003 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

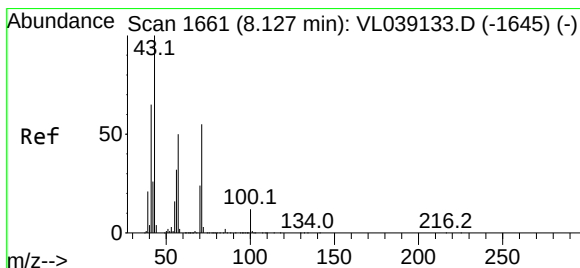
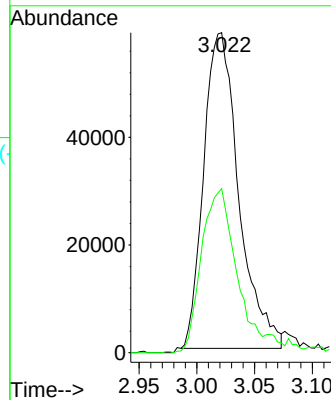
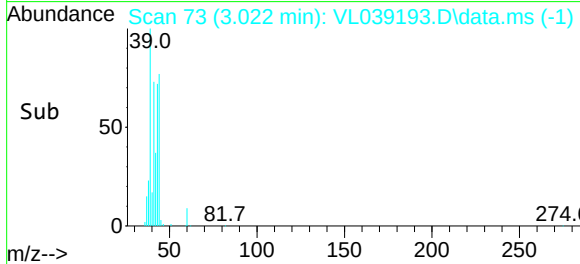
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL



Tgt Ion: 41 Resp: 124162
Ion Ratio Lower Upper
41 100
42 55.5 55.4 83.2

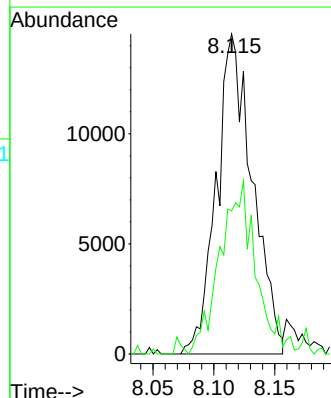
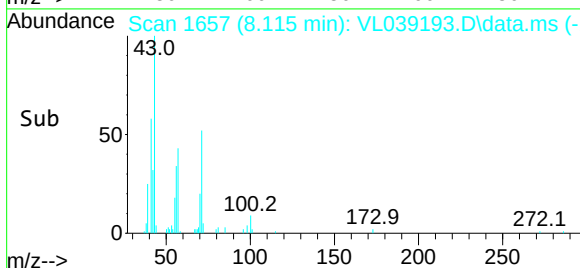
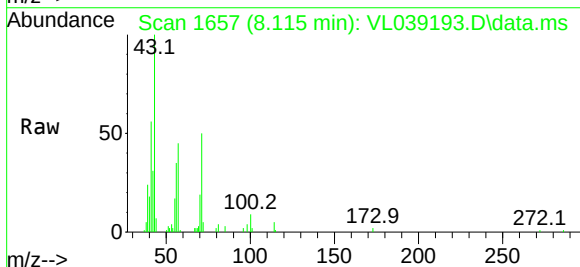
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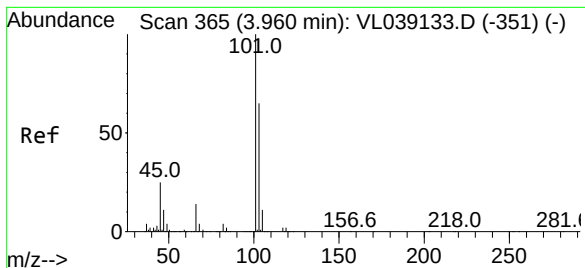
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#10
Heptane
Concen: 0.195 ppbv m
RT: 8.115 min Scan# 1657
Delta R.T. -0.013 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

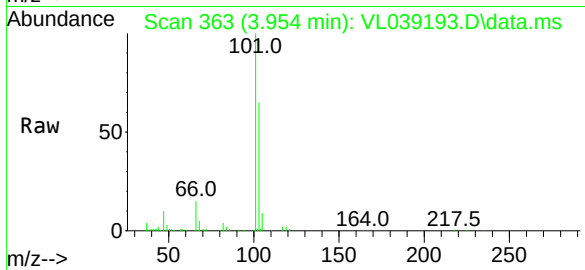
Tgt Ion: 43 Resp: 29839
Ion Ratio Lower Upper
43 100
57 0.0 41.4 62.2#





#11
Trichlorofluoromethane
Concen: 1.257 ppbv
RT: 3.954 min Scan# 30
Delta R.T. -0.006 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

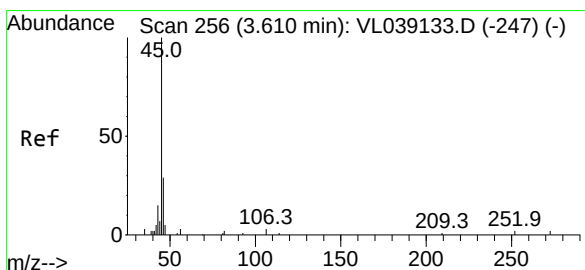
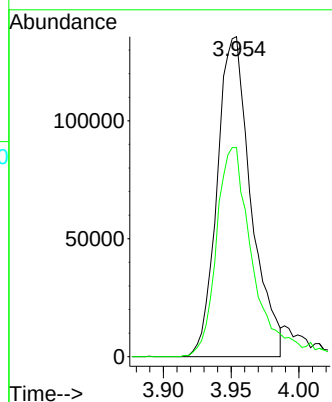
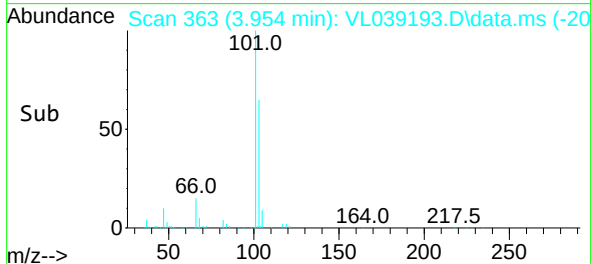
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL



Tgt Ion:101 Resp: 235790
Ion Ratio Lower Upper
101 100
103 65.4 51.7 77.5

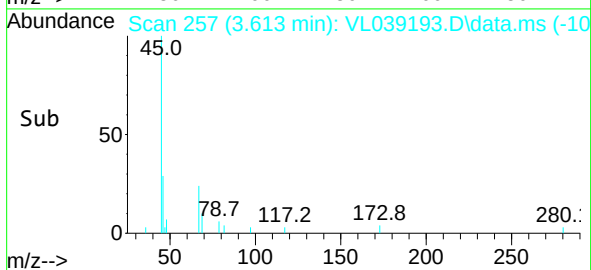
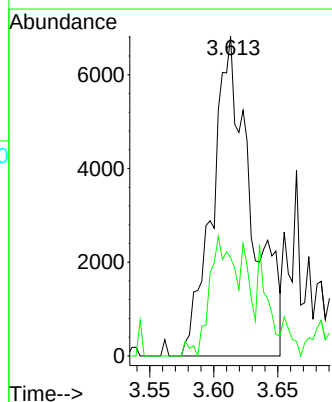
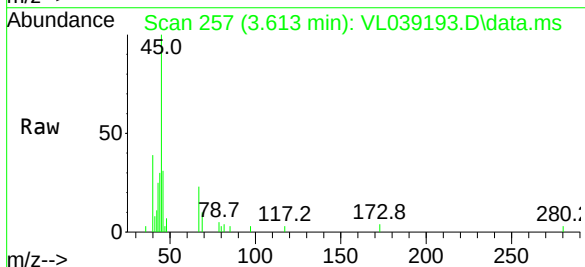
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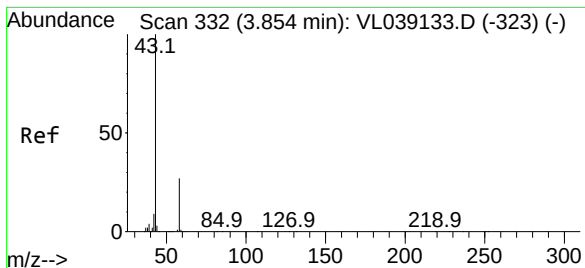
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#13
Ethanol
Concen: 4.011 ppbv m
RT: 3.613 min Scan# 257
Delta R.T. 0.003 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

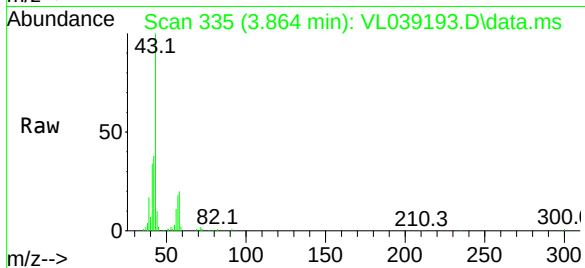
Tgt Ion: 45 Resp: 14314
Ion Ratio Lower Upper
45 100
46 45.0 0.0 0.0#





#15
Acetone
Concen: 0.373 ppbv
RT: 3.864 min Scan# 31
Delta R.T. 0.010 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

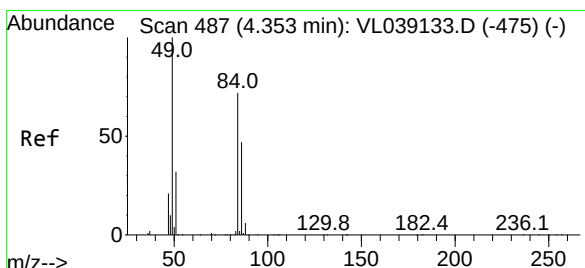
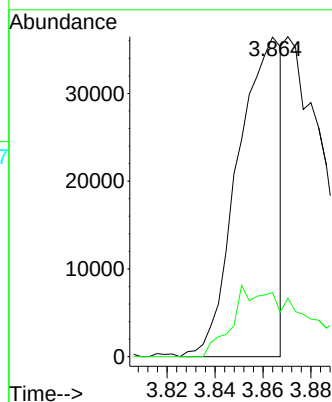
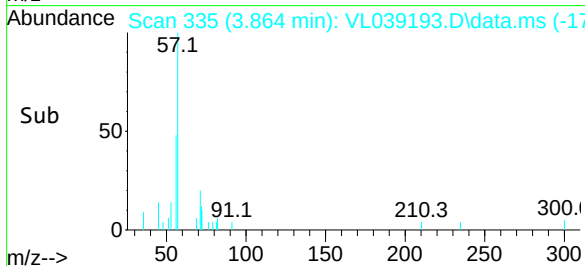
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL



Tgt Ion: 43 Resp: 4586
Ion Ratio Lower Upper
43 100
58 47.0 22.5 33.7

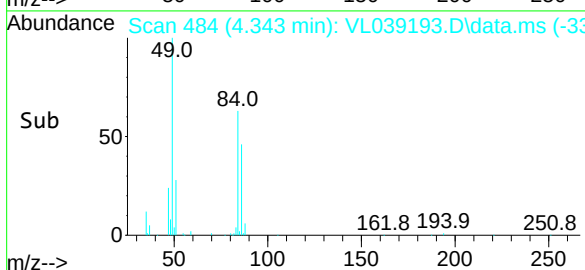
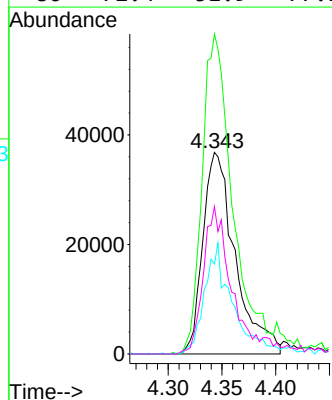
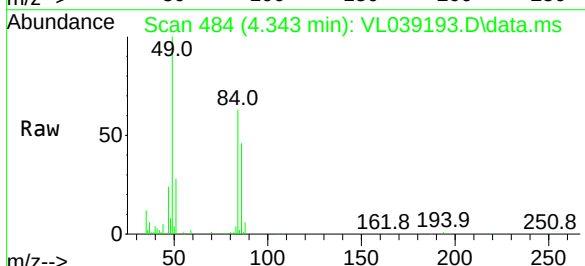
Manual Integrations
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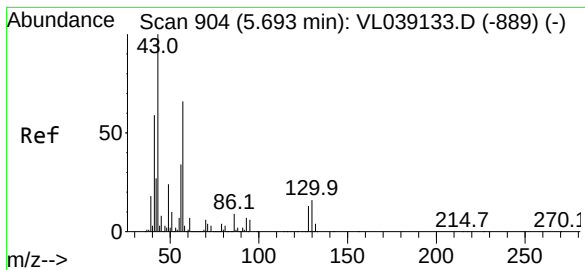
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#20
Methylene Chloride
Concen: 1.489 ppbv
RT: 4.343 min Scan# 484
Delta R.T. -0.010 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

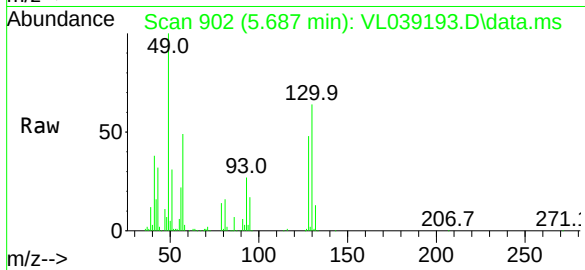
Tgt Ion: 84 Resp: 77104
Ion Ratio Lower Upper
84 100
49 158.8 111.1 166.7
51 44.6 35.3 52.9
86 72.4 51.9 77.9





#26
Hexane
Concen: 1.352 ppbv
RT: 5.687 min Scan# 904
Delta R.T. -0.006 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

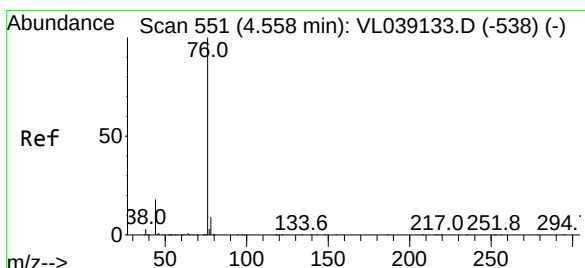
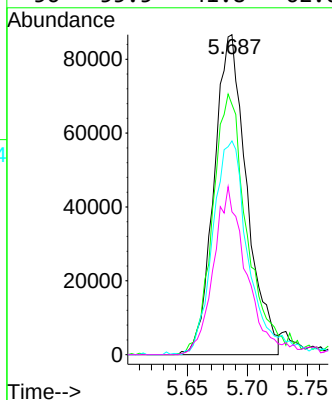
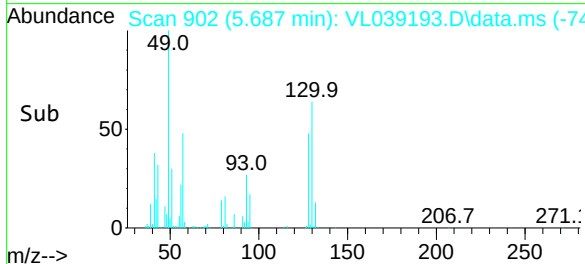
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL



Tgt Ion: 57 Resp: 16455
Ion Ratio Lower Upper
57 100
41 88.9 72.4 108.6
43 74.1 187.0 280.6
56 55.5 41.8 62.6

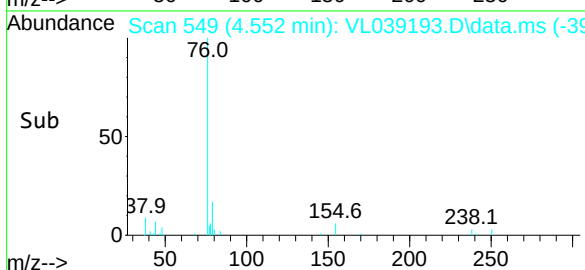
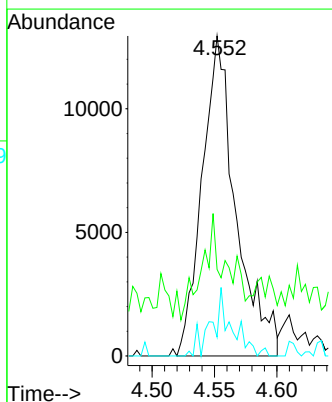
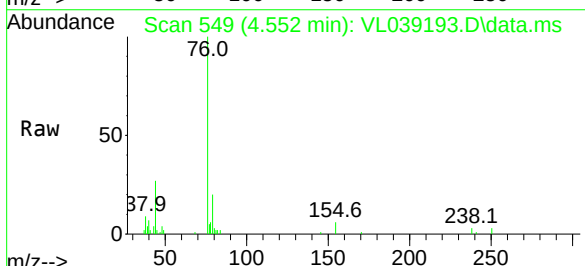
Manual Integrations
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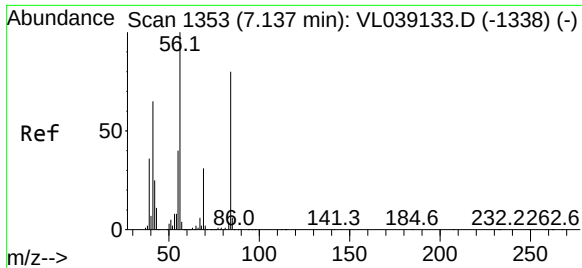
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#27
Carbon Disulfide
Concen: 0.193 ppbv m
RT: 4.552 min Scan# 549
Delta R.T. -0.006 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

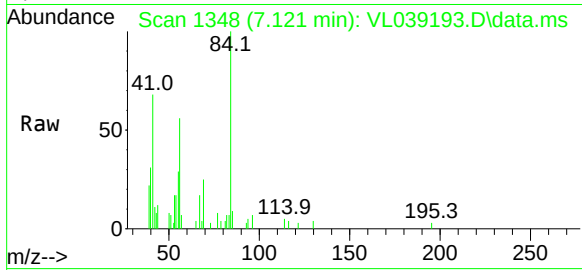
Tgt Ion: 76 Resp: 24388
Ion Ratio Lower Upper
76 100
44 32.2 14.4 21.6#
78 12.7 7.7 11.5#





#30
Cyclohexane
Concen: 0.153 ppbv m
RT: 7.121 min Scan# 1
Delta R.T. -0.016 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

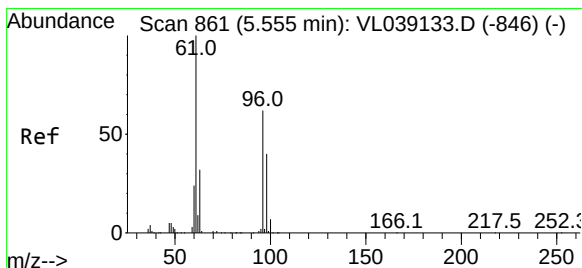
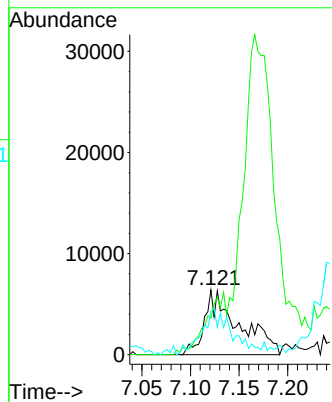
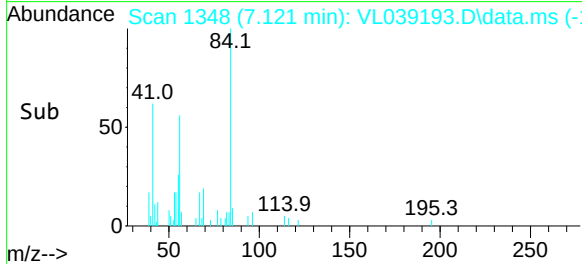
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL



Tgt Ion: 84 Resp: 15620
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8
41 0.0 68.9 103.3

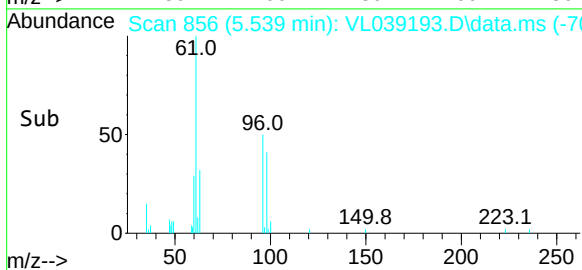
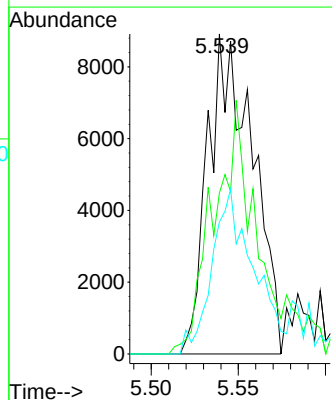
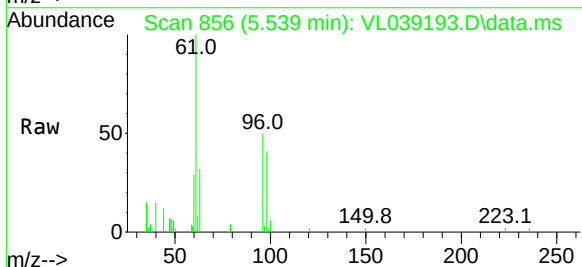
Manual Integrations
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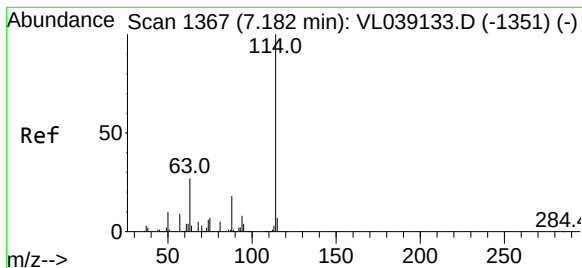
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#31
cis-1,2-Dichloroethene
Concen: 0.129 ppbv m
RT: 5.539 min Scan# 856
Delta R.T. -0.016 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

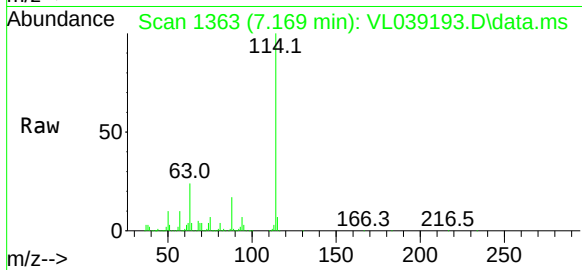
Tgt Ion: 61 Resp: 15947
Ion Ratio Lower Upper
61 100
96 50.3 49.9 74.9
98 41.3 32.0 48.0





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 114
Delta R.T. -0.013 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

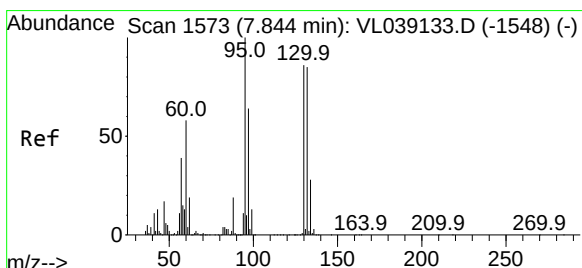
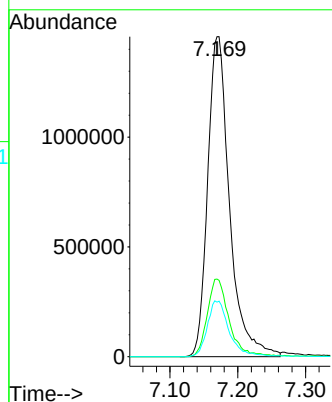
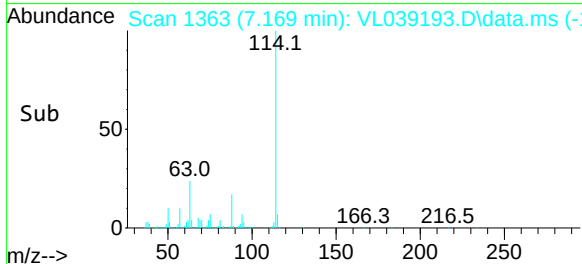
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL



Tgt Ion:114 Resp: 3264929
Ion Ratio Lower Upper
114 100
63 24.7 21.7 32.5
88 17.8 14.8 22.2

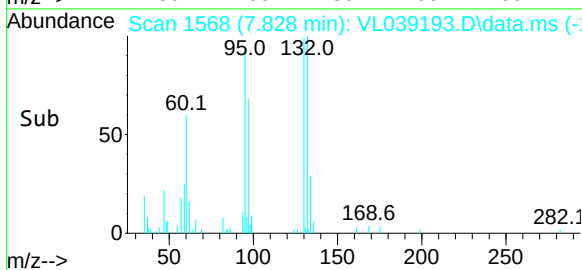
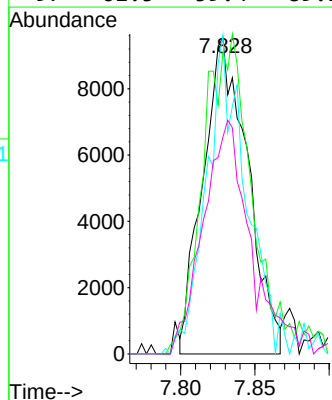
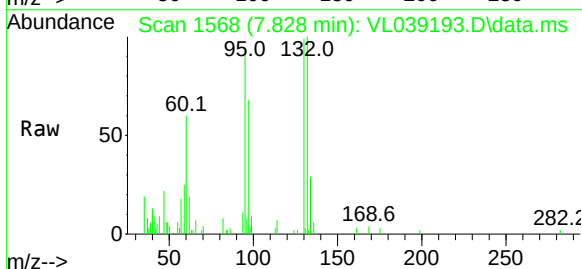
Manual Integrations
APPROVED

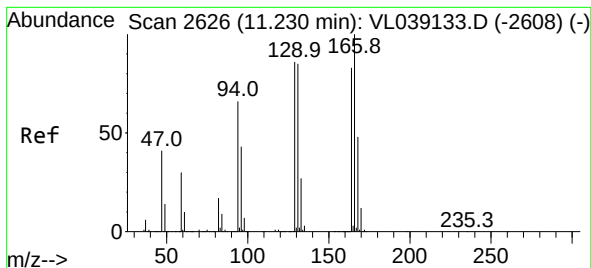
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022



#38
Trichloroethene
Concen: 0.163 ppbv
RT: 7.828 min Scan# 1568
Delta R.T. -0.016 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

Tgt Ion:130 Resp: 19905
Ion Ratio Lower Upper
130 100
95 92.6 93.3 139.9#
132 98.0 79.0 118.4
97 61.5 59.4 89.2





#52

Tetrachloroethene

Concen: 5.355 ppbv

RT: 11.221 min Scan# 20

Delta R.T. -0.010 min

Lab File: VL039193.D

Acq: 6 Jun 2022 20:40

Instrument :

MSVOA_L

ClientSampleId :

SG-3DL

Tgt Ion:164 Resp: 55418

Ion Ratio Lower Upper

164 100

166 124.6 96.3 144.5

129 97.9 82.5 123.7

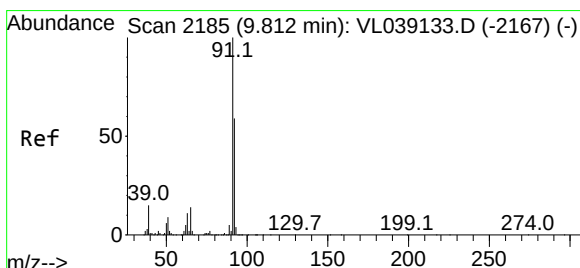
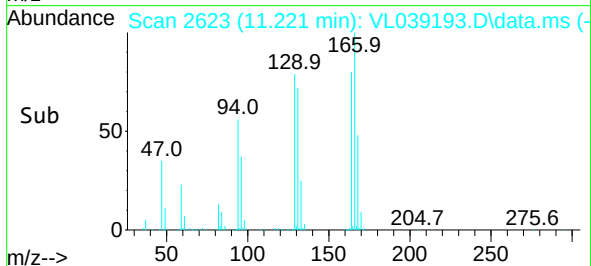
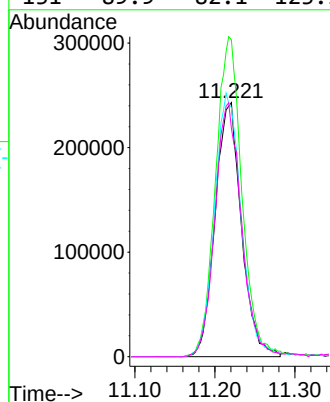
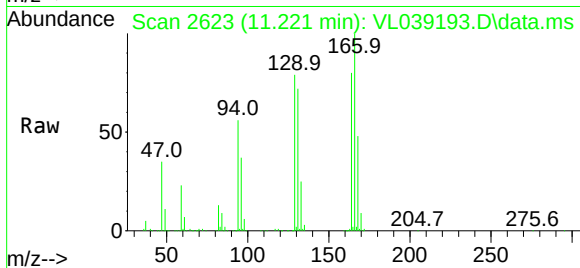
131 89.9 82.1 123.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/07/2022

Supervised By :Mahesh Dadoda 06/07/2022



#53

Toluene

Concen: 0.672 ppbv

RT: 9.799 min Scan# 2181

Delta R.T. -0.013 min

Lab File: VL039193.D

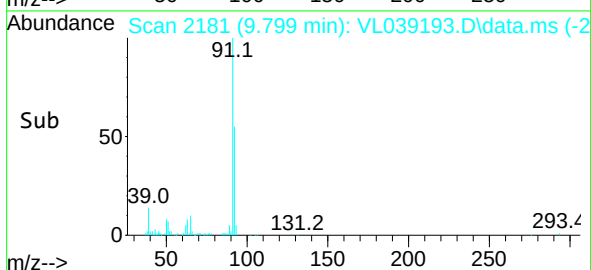
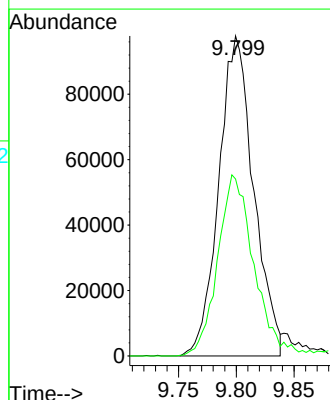
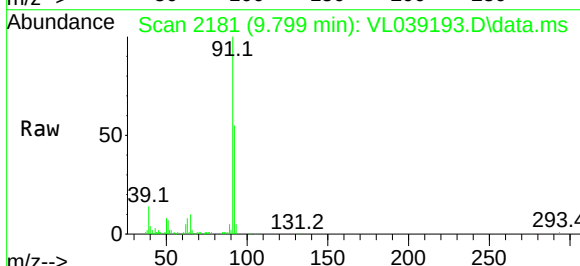
Acq: 6 Jun 2022 20:40

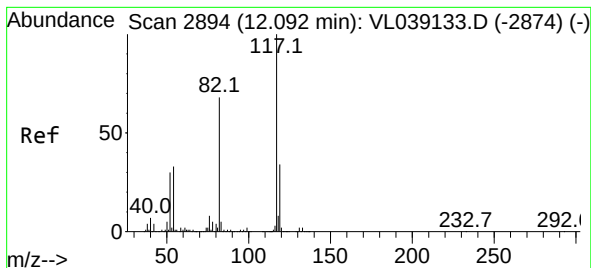
Tgt Ion: 91 Resp: 205201

Ion Ratio Lower Upper

91 100

92 59.5 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: VL039193.D

Acq: 6 Jun 2022 20:40

Instrument :

MSVOA_L

ClientSampleId :

SG-3DL

Tgt Ion:117 Resp: 289955

Ion Ratio Lower Upper

117 100

82 66.6 55.1 82.7

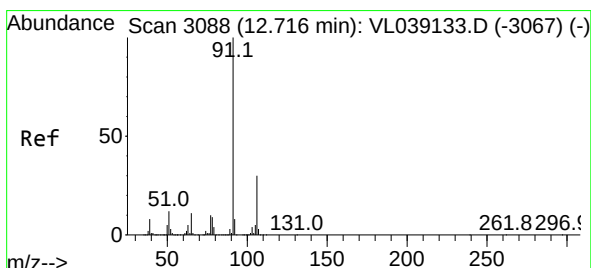
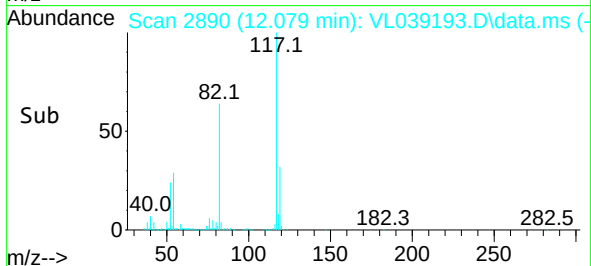
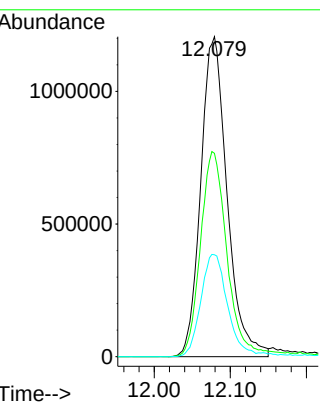
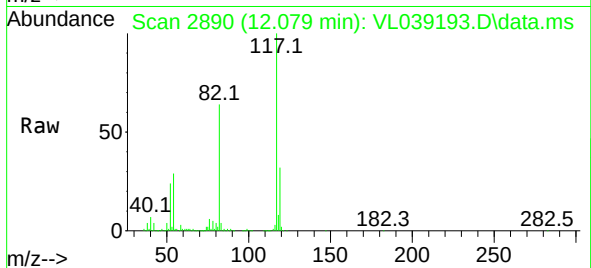
119 33.5 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/07/2022

Supervised By :Mahesh Dadoda 06/07/2022



#58

Ethyl Benzene

Concen: 0.137 ppbv m

RT: 12.706 min Scan# 3085

Delta R.T. -0.010 min

Lab File: VL039193.D

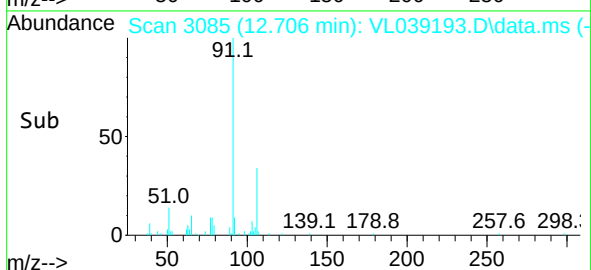
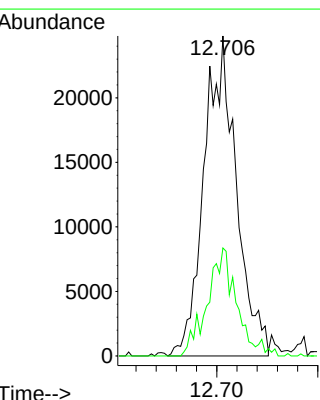
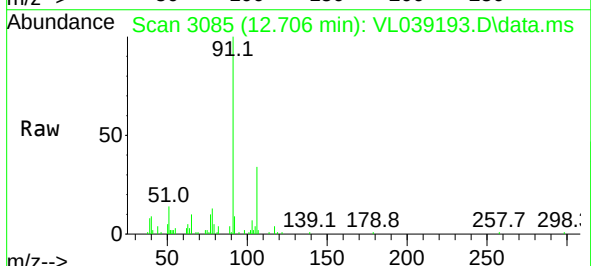
Acq: 6 Jun 2022 20:40

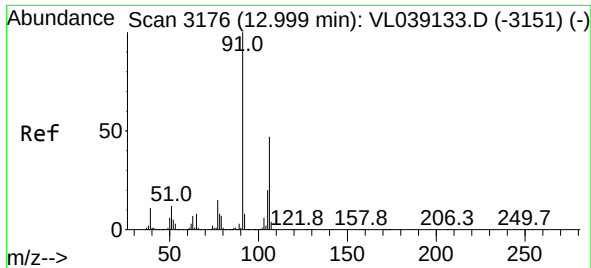
Tgt Ion: 91 Resp: 54672

Ion Ratio Lower Upper

91 100

106 33.8 24.2 36.4





#59

m/p-Xylene

Concen: 0.573 ppbv m

RT: 12.966 min Scan# 3176

Delta R.T. -0.032 min

Lab File: VL039193.D

Acq: 6 Jun 2022 20:40

Instrument :

MSVOA_L

ClientSampleId :

SG-3DL

Tgt Ion: 91 Resp: 20142

Ion Ratio Lower Upper

91 100

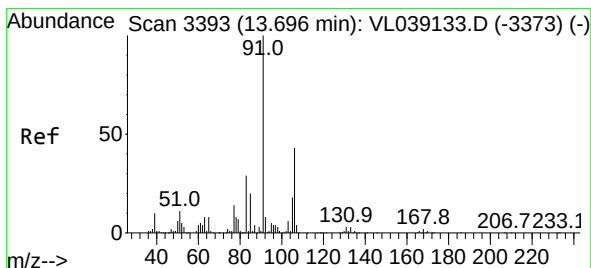
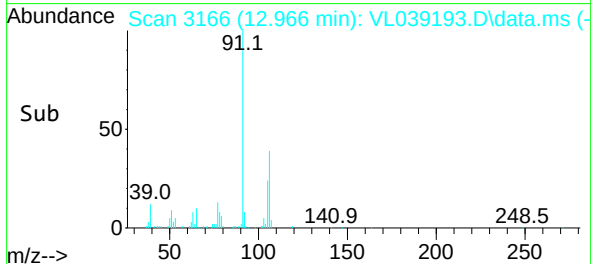
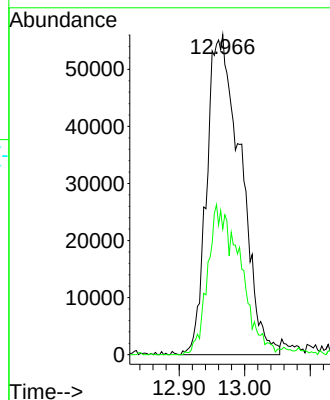
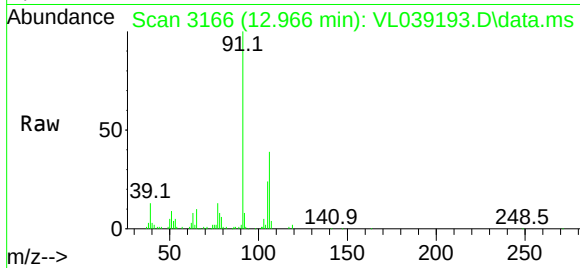
106 0.0 34.3 51.5

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/07/2022

Supervised By :Mahesh Dadoda 06/07/2022



#60

o-Xylene

Concen: 0.204 ppbv m

RT: 13.687 min Scan# 3390

Delta R.T. -0.010 min

Lab File: VL039193.D

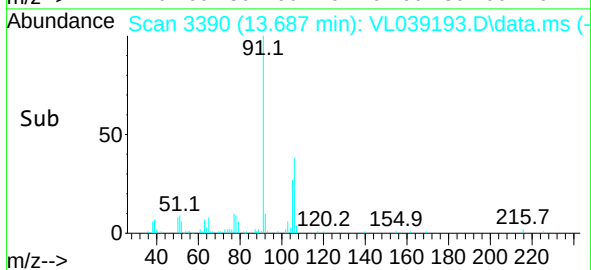
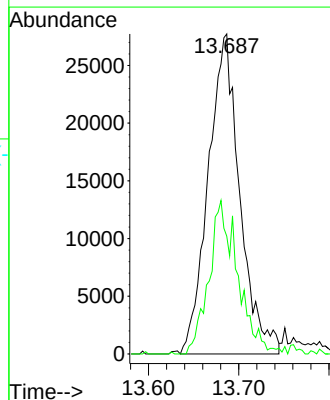
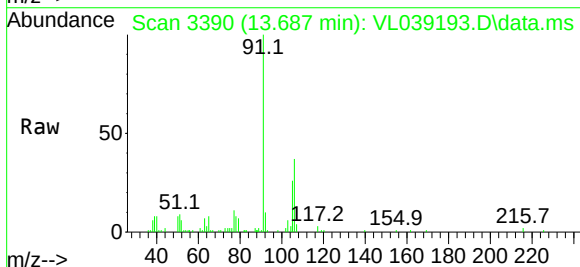
Acq: 6 Jun 2022 20:40

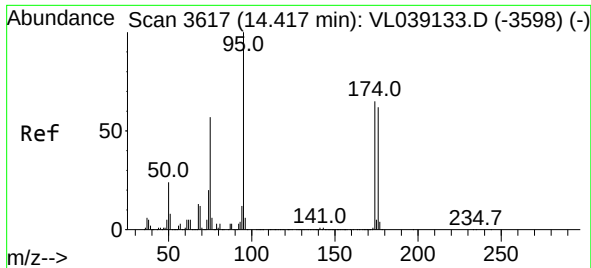
Tgt Ion: 91 Resp: 67501

Ion Ratio Lower Upper

91 100

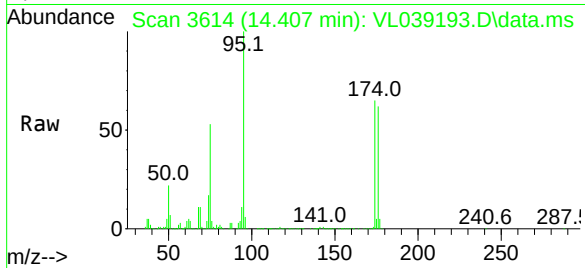
106 43.4 22.3 66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 9.304 ppbv
RT: 14.407 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40

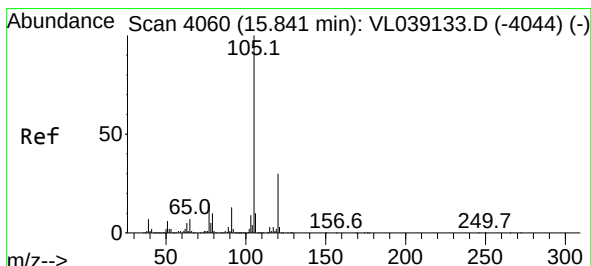
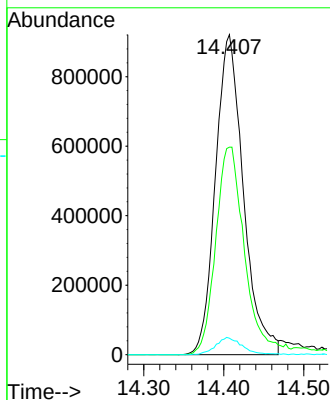
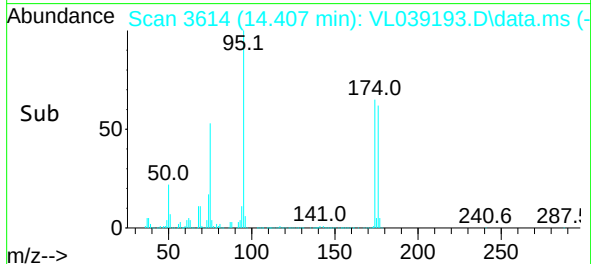
Instrument :
MSVOA_L
ClientSampleId :
SG-3DL



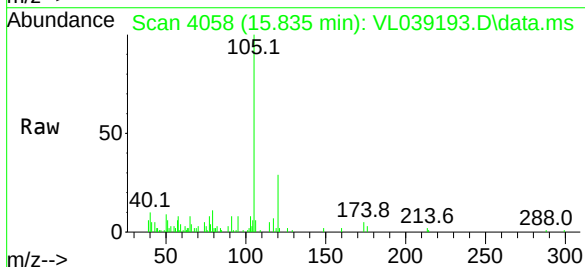
Tgt Ion: 95 Resp: 223025
Ion Ratio Lower Upper
95 100
174 69.7 53.8 80.8
175 5.2 4.1 6.1

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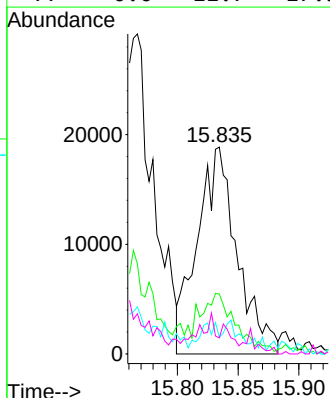
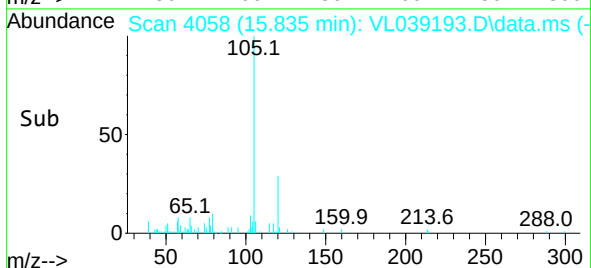
Reviewed By :Semsettin Yesilyurt 06/07/2022
Supervised By :Mahesh Dadoda 06/07/2022

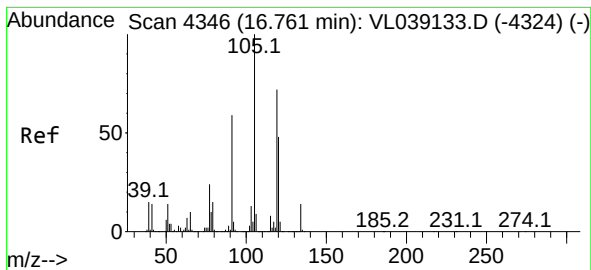


#72
4-Ethyltoluene
Concen: 0.112 ppbv m
RT: 15.835 min Scan# 4058
Delta R.T. -0.006 min
Lab File: VL039193.D
Acq: 6 Jun 2022 20:40



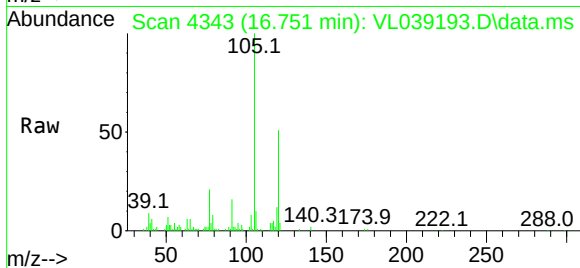
Tgt Ion:105 Resp: 43303
Ion Ratio Lower Upper
105 100
120 0.0 23.9 35.9#
91 0.0 10.6 16.0#
77 0.0 11.7 17.5#





#74
 1,2,4-Trimethylbenzene
 Concen: 0.301 ppbv m
 RT: 16.751 min Scan# 41
 Delta R.T. -0.010 min
 Lab File: VL039193.D
 Acq: 6 Jun 2022 20:40

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3DL



Tgt Ion:	105	Resp:	11752
Ion	Ratio	Lower	Upper
105	100		
120	51.3	38.1	57.1
91	15.9	47.4	71.0
77	21.4	19.5	29.3

Manual Integrations
 APPROVED

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

