

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071222\
 Data File : VL039456.D
 Acq On : 12 Jul 2022 20:13
 Operator : SY/AP
 Sample : N3660-07 2X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-6

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/13/2022
 Supervised By :Mahesh Dadoda 07/13/2022

Quant Time: Jul 13 01:39:36 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 13 11:31:23 2022

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	5.684	49	1505533	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.192	114	4199229	10.000	ppbv	0.04
55) Chlorobenzene-d5	12.105	117	3726810	10.000	ppbv	0.04
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.433	95	2889529	10.451	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.500%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.063	85	53060	0.244	ppbv	98
3) Chlorodifluoromethane	3.009	51	21822m	0.114	ppbv	
9) Propene	3.041	41	18348m	0.213	ppbv	
10) Heptane	8.140	43	32279m	0.160	ppbv	
11) Trichlorofluoromethane	3.964	101	26884m	0.111	ppbv	
13) Ethanol	3.623	45	36685m	7.330	ppbv	
15) Acetone	3.870	43	486382	2.731	ppbv #	88
17) tert-Butyl alcohol	4.317	59	24363m	0.161	ppbv	
19) Isopropyl Alcohol	3.993	45	25680m	0.270	ppbv	
20) Methylene Chloride	4.356	84	60956m	0.859	ppbv	
26) Hexane	5.706	57	104079m	0.707	ppbv	
29) Chloroform	5.767	83	87612	0.342	ppbv	99
34) 2-Butanone	5.269	43	55547m	0.263	ppbv	
52) Tetrachloroethene	11.240	164	159484	1.219	ppbv	91
53) Toluene	9.825	91	157043	0.419	ppbv	100
58) Ethyl Benzene	12.729	91	174819	0.363	ppbv	97
59) m/p-Xylene	12.983	91	655277m	1.545	ppbv	
60) o-Xylene	13.709	91	351667	0.875	ppbv	98
65) tert-Butylbenzene	16.783	119	120719m	0.214	ppbv	
69) p-Isopropyltoluene	17.664	119	71519m	0.111	ppbv	
72) 4-Ethyltoluene	15.857	105	225969	0.478	ppbv	98
73) 1,3,5-Trimethylbenzene	16.015	105	331115m	0.763	ppbv	
74) 1,2,4-Trimethylbenzene	16.777	105	1043630	2.175	ppbv #	70

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

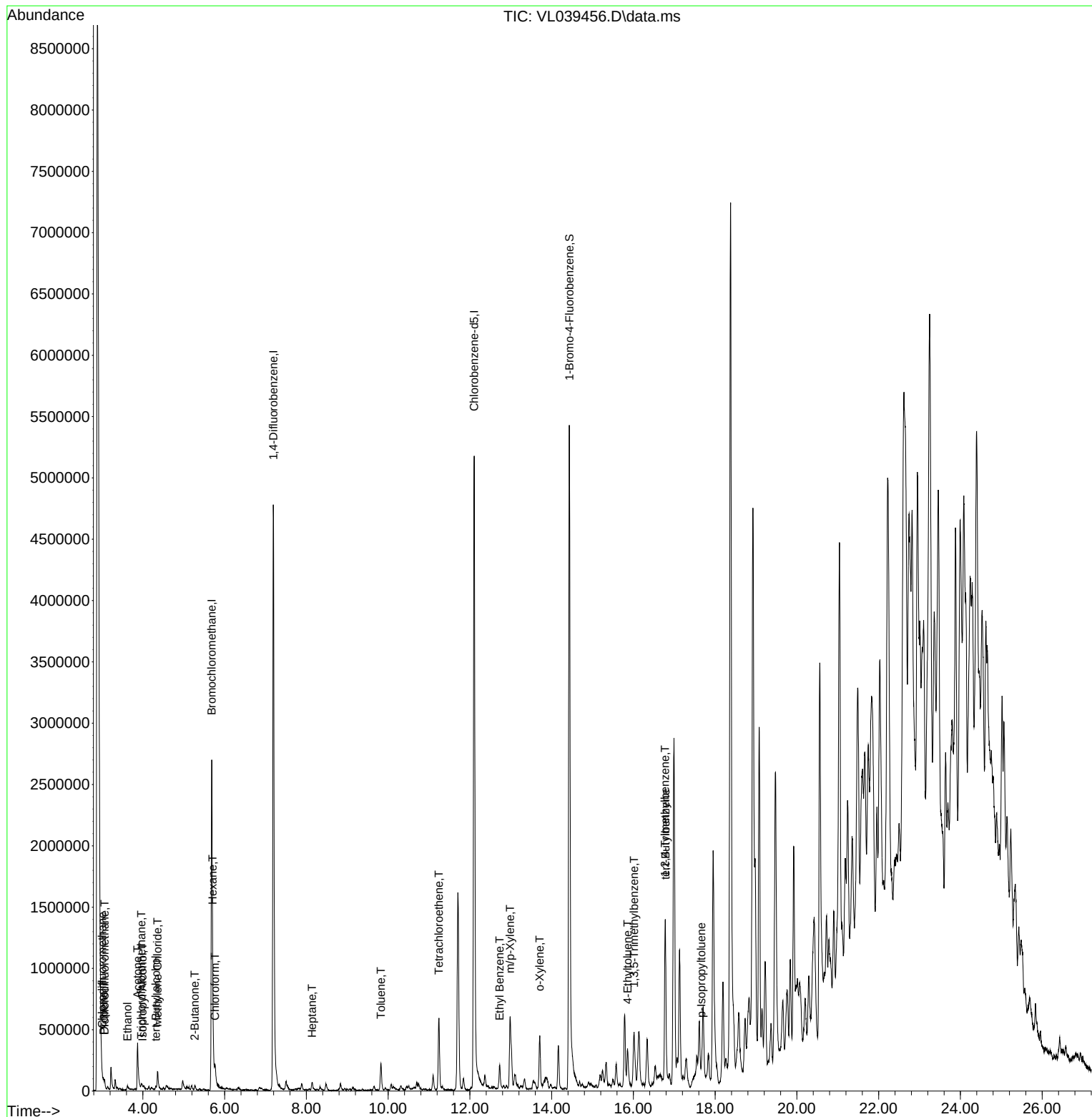
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071222\
Data File : VL039456.D
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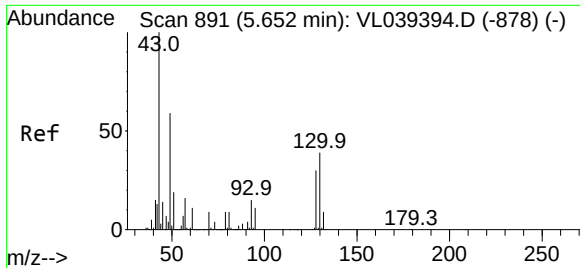
Instrument :
MSVOA_L
ClientSampleId :
SG-6

Quant Time: Jul 13 01:39:36 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
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Manual Integrations
APPROVED

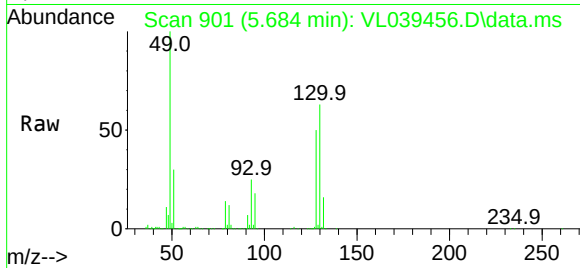
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.684 min Scan# 901
Delta R.T. 0.032 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

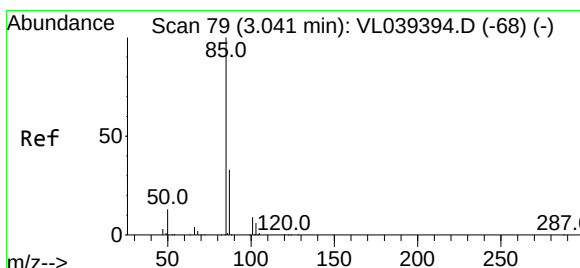
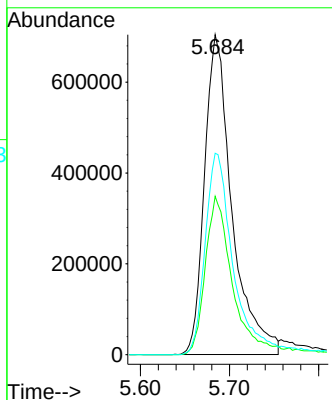
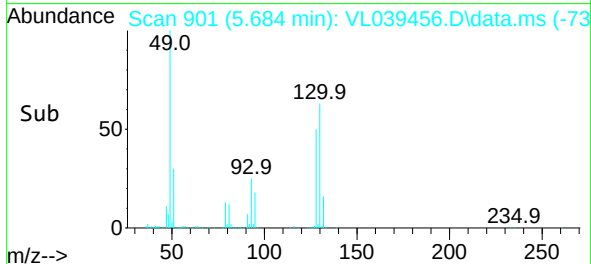
Instrument :
MSVOA_L
ClientSampleId :
SG-6



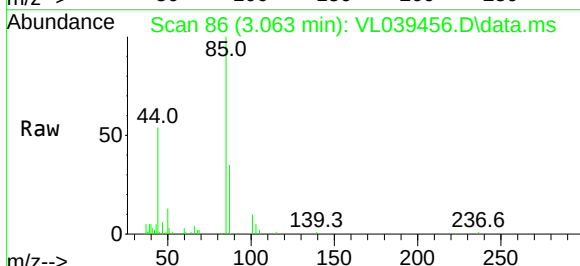
Tgt Ion: 49 Resp: 150553
Ion Ratio Lower Upper
49 100
128 51.6 26.7 80.0
130 67.4 34.3 102.8

Manual Integrations
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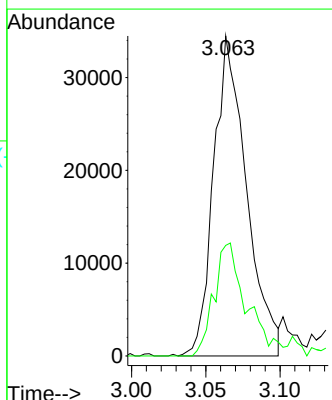
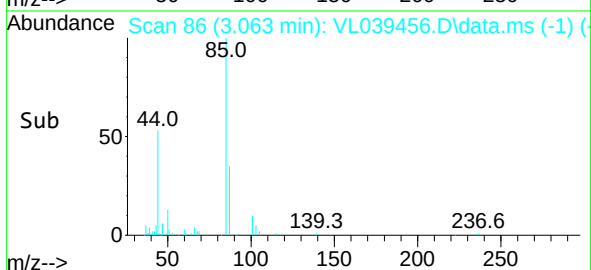
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

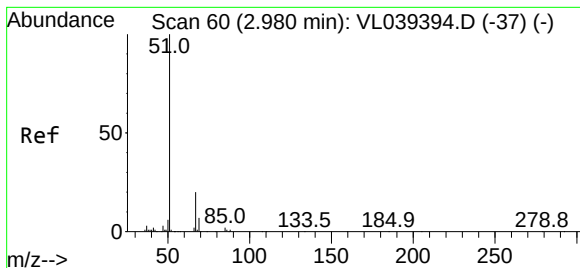


#2
Dichlorodifluoromethane
Concen: 0.244 ppbv
RT: 3.063 min Scan# 86
Delta R.T. 0.022 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13



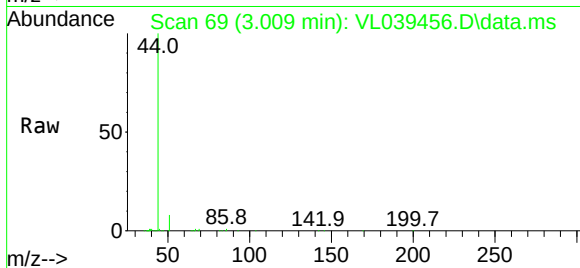
Tgt Ion: 85 Resp: 53060
Ion Ratio Lower Upper
85 100
87 34.5 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.114 ppbv m
RT: 3.009 min Scan# 61
Delta R.T. 0.029 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

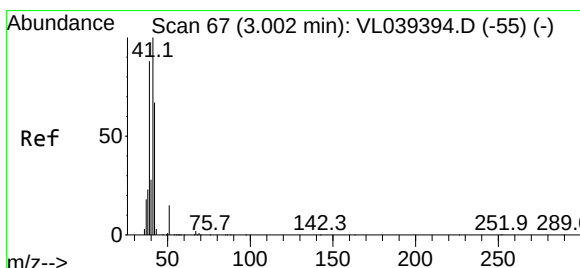
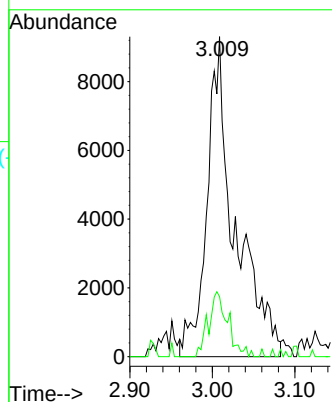
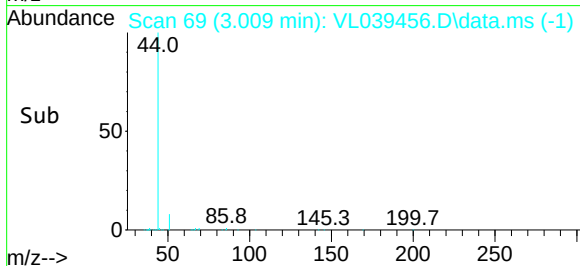
Instrument :
MSVOA_L
ClientSampleId :
SG-6



Tgt Ion: 51 Resp: 2182
Ion Ratio Lower Upper
51 100
67 0.9 15.7 23.5

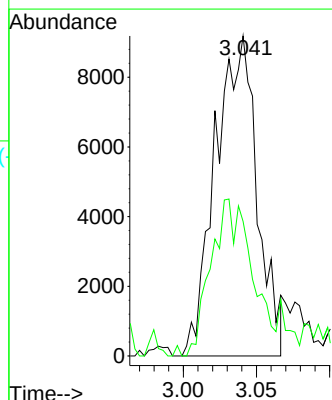
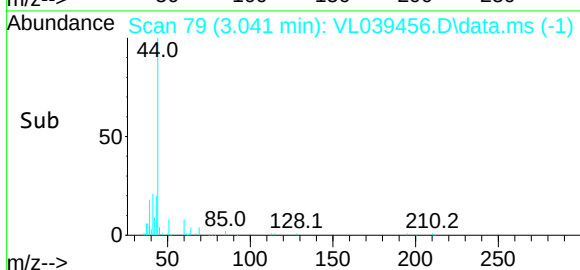
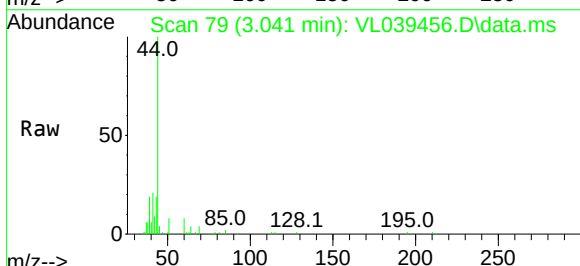
Manual Integrations
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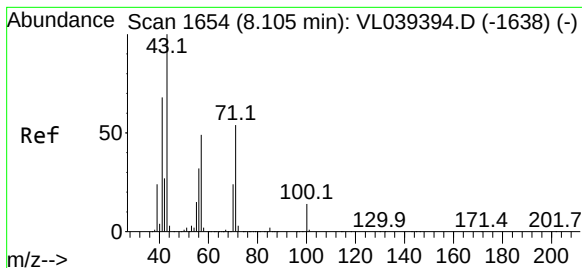
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#9
Propene
Concen: 0.213 ppbv m
RT: 3.041 min Scan# 79
Delta R.T. 0.039 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

Tgt Ion: 41 Resp: 18348
Ion Ratio Lower Upper
41 100
42 0.0 55.2 82.8





#10

Heptane

Concen: 0.160 ppbv m

RT: 8.140 min Scan# 1

Delta R.T. 0.035 min

Lab File: VL039456.D

Acq: 12 Jul 2022 20:13

Instrument :

MSVOA_L

ClientSampleId :

SG-6

Tgt Ion: 43 Resp: 32279

Ion Ratio Lower Upper

43 100

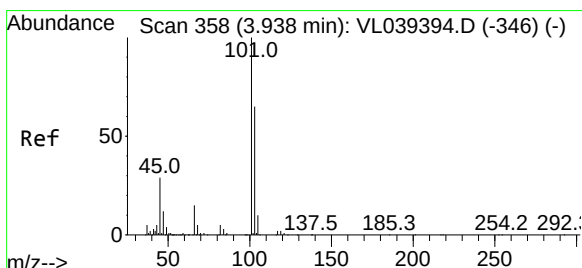
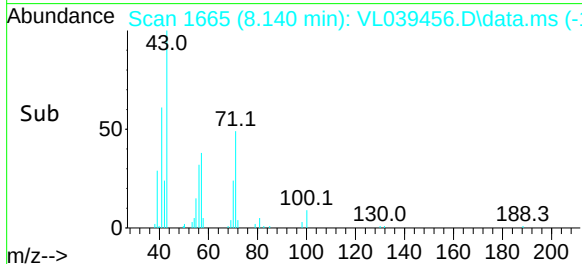
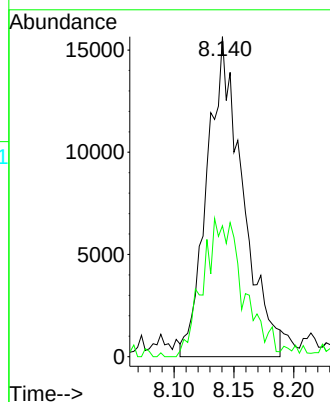
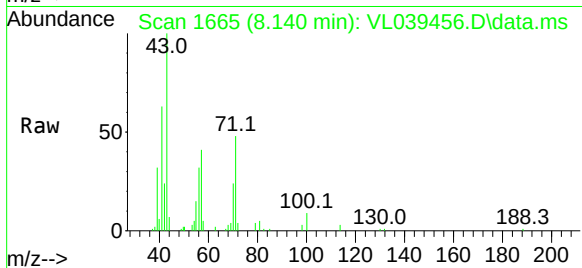
57 0.0 40.5 60.7

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 07/13/2022

Supervised By :Mahesh Dadoda 07/13/2022



#11

Trichlorofluoromethane

Concen: 0.111 ppbv m

RT: 3.964 min Scan# 366

Delta R.T. 0.026 min

Lab File: VL039456.D

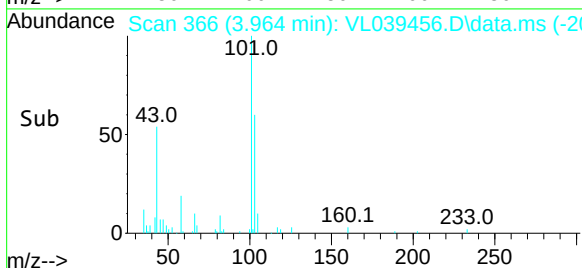
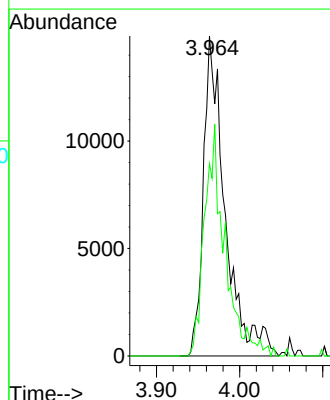
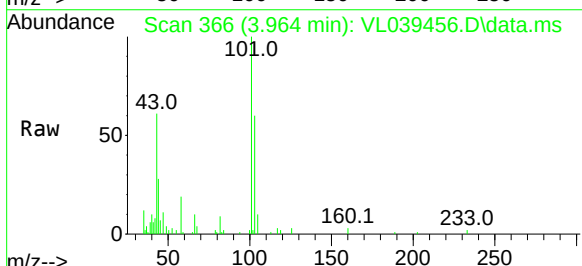
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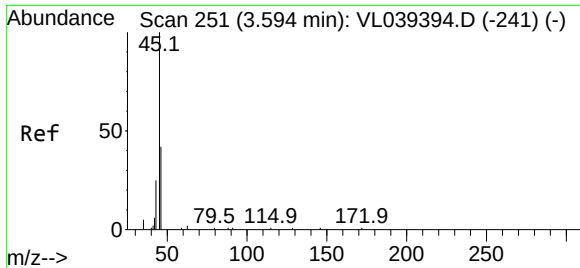
Tgt Ion:101 Resp: 26884

Ion Ratio Lower Upper

101 100

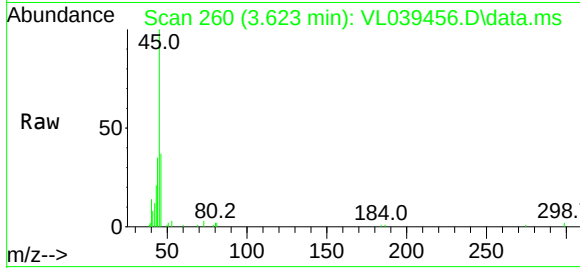
103 60.1 51.8 77.8





#13
Ethanol
Concen: 7.330 ppbv m
RT: 3.623 min Scan# 2
Delta R.T. 0.029 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

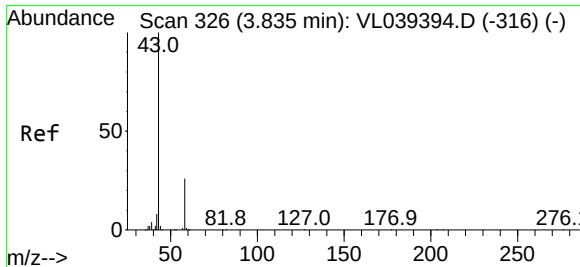
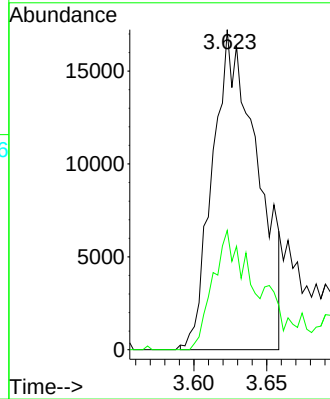
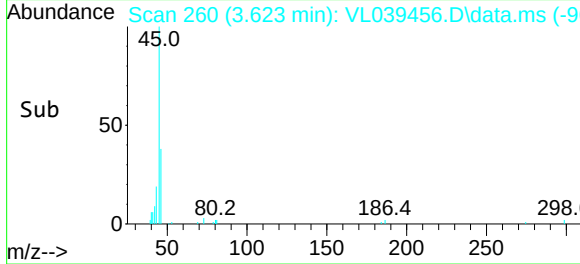
Instrument :
MSVOA_L
ClientSampleId :
SG-6



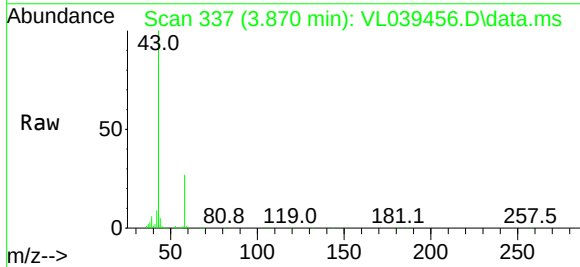
Tgt Ion: 45 Resp: 3668
Ion Ratio Lower Upper
45 100
46 40.1 22.8 91.2

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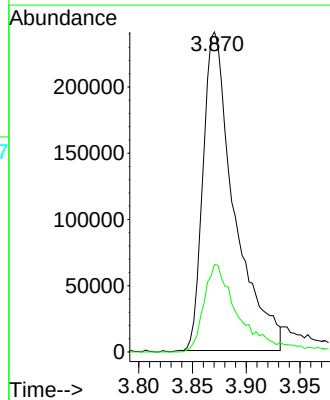
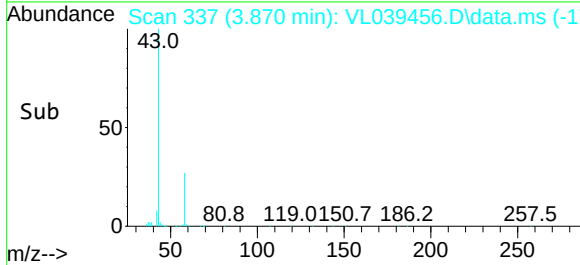
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

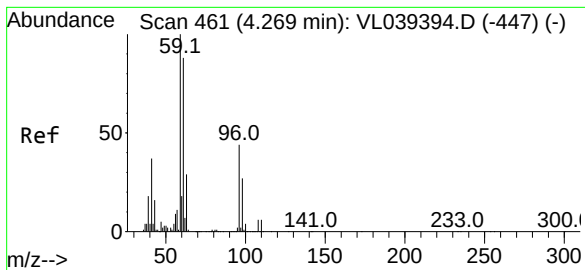


#15
Acetone
Concen: 2.731 ppbv
RT: 3.870 min Scan# 337
Delta R.T. 0.035 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13



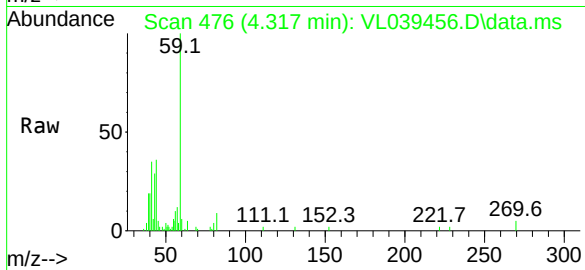
Tgt Ion: 43 Resp: 486382
Ion Ratio Lower Upper
43 100
58 32.3 21.0 31.6#





#17
tert-Butyl alcohol
Concen: 0.161 ppbv m
RT: 4.317 min Scan# 41
Delta R.T. 0.048 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

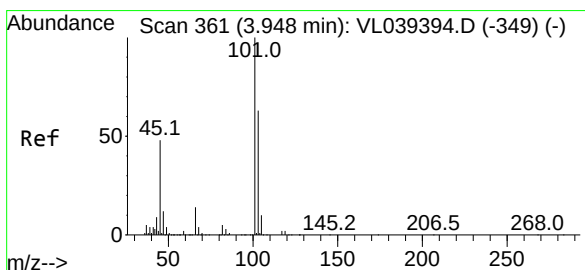
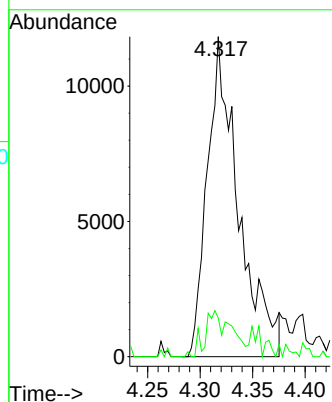
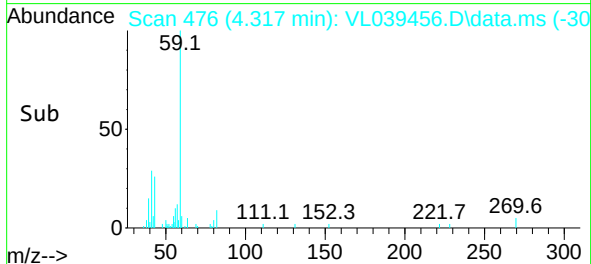
Instrument :
MSVOA_L
ClientSampleId :
SG-6



Tgt Ion: 59 Resp: 2436
Ion Ratio Lower Upper
59 100
57 15.7 8.7 13.1

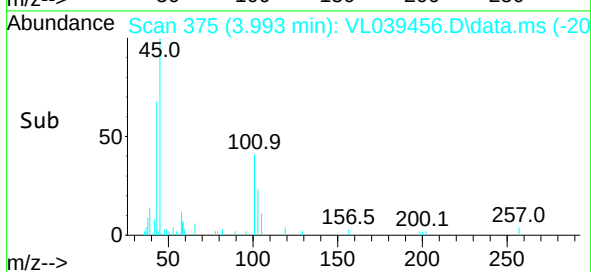
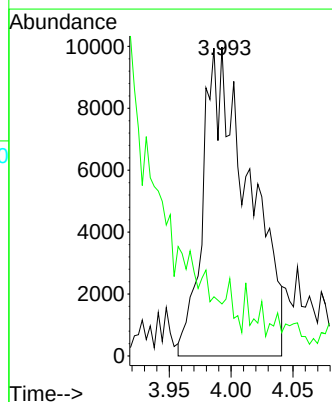
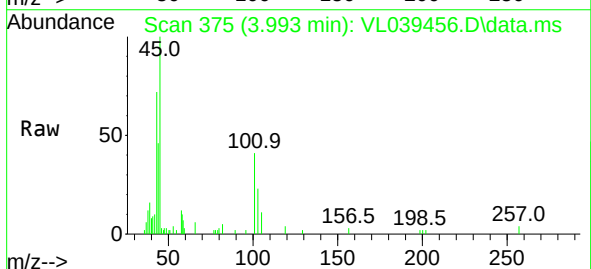
Manual Integrations
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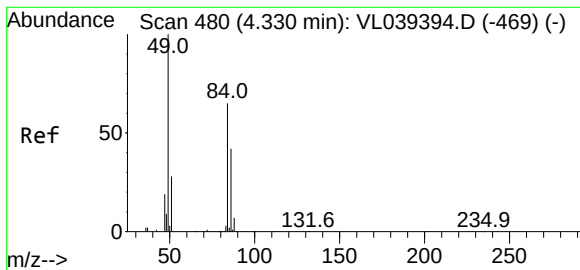
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#19
Isopropyl Alcohol
Concen: 0.270 ppbv m
RT: 3.993 min Scan# 375
Delta R.T. 0.045 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

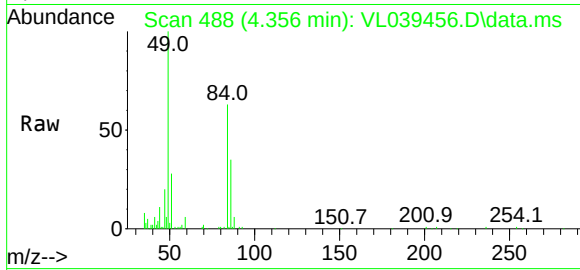
Tgt Ion: 45 Resp: 25680
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8





#20
Methylene Chloride
Concen: 0.859 ppbv m
RT: 4.356 min Scan# 41
Delta R.T. 0.026 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

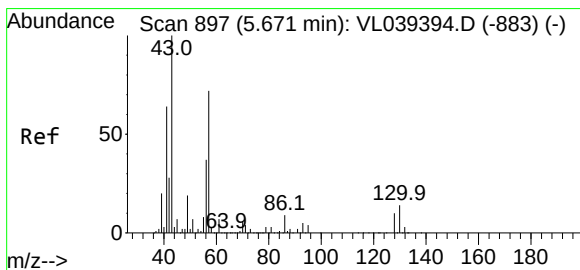
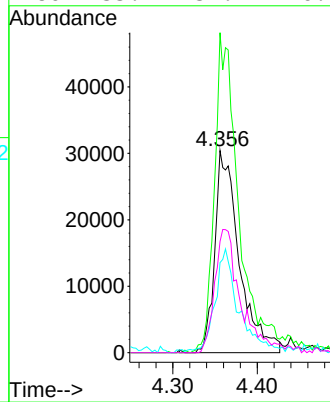
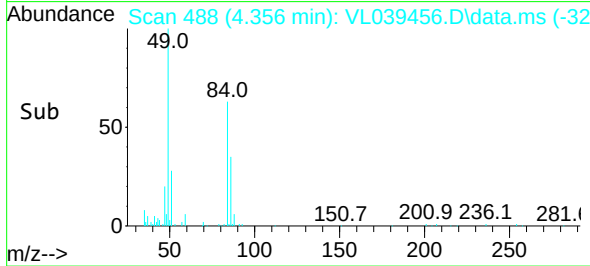
Instrument :
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ClientSampleId :
SG-6



Tgt Ion: 84 Resp: 60950
Ion Ratio Lower Upper
84 100
49 158.4 123.1 184.7
51 44.6 34.4 51.6
86 55.1 51.1 76.7

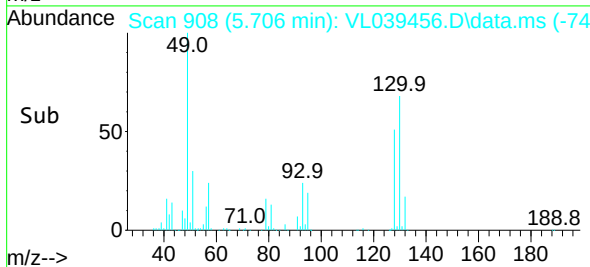
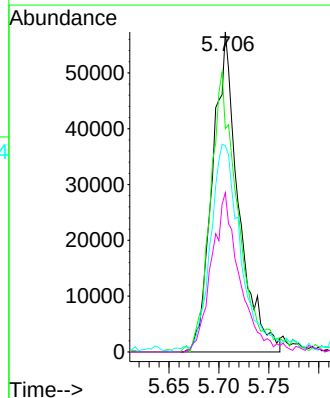
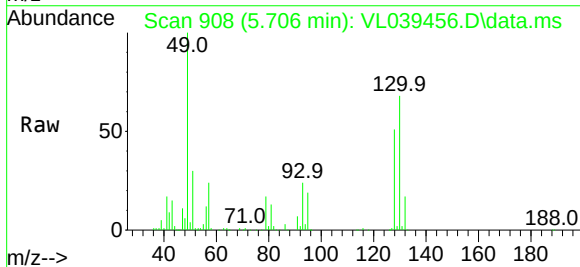
Manual Integrations
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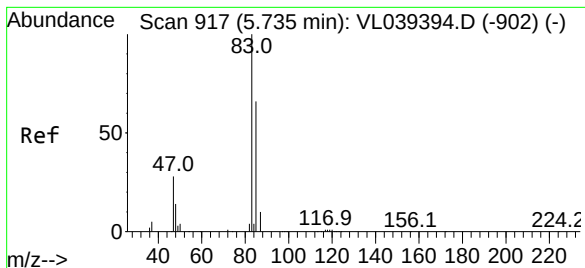
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#26
Hexane
Concen: 0.707 ppbv m
RT: 5.706 min Scan# 908
Delta R.T. 0.035 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

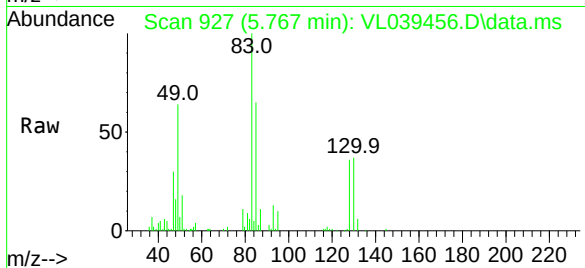
Tgt Ion: 57 Resp: 104079
Ion Ratio Lower Upper
57 100
41 94.2 76.9 115.3
43 79.3 191.0 286.6#
56 53.4 43.2 64.8





#29
Chloroform
Concen: 0.342 ppbv
RT: 5.767 min Scan# 917
Delta R.T. 0.032 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

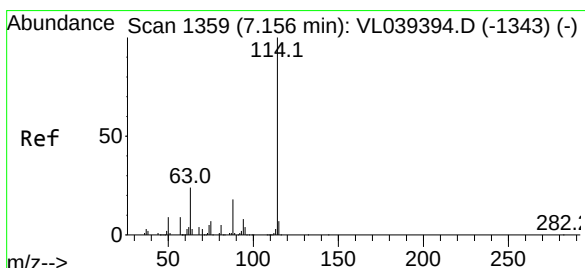
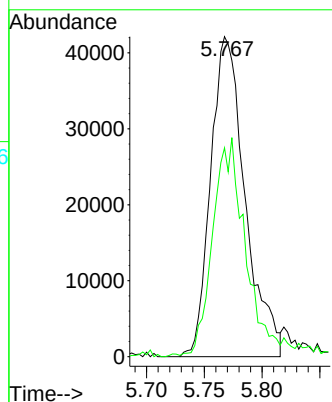
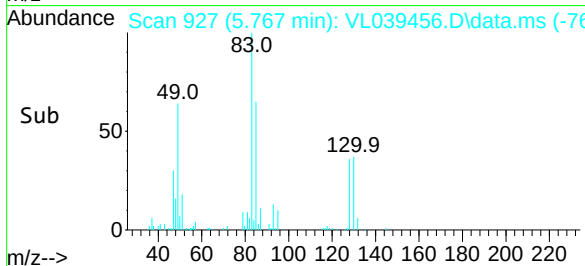
Instrument :
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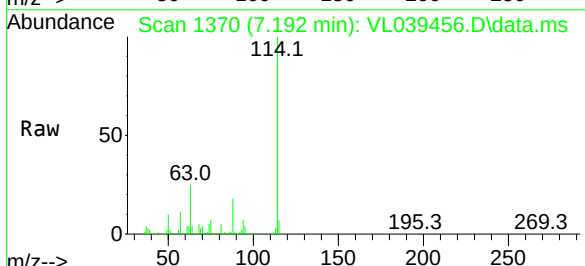
Tgt Ion: 83 Resp: 87612
Ion Ratio Lower Upper
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85 64.9 52.8 79.2

Manual Integrations
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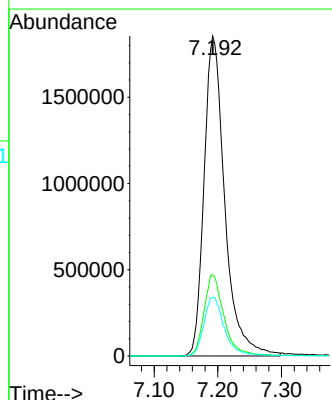
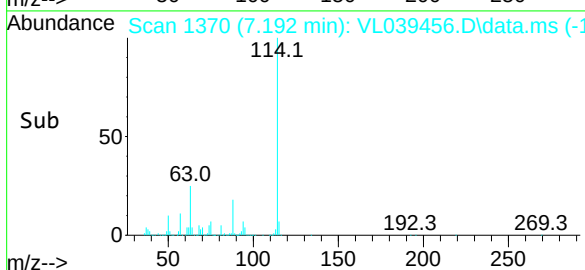
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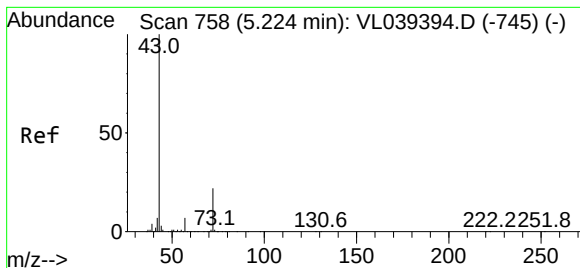


#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.192 min Scan# 1370
Delta R.T. 0.035 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13



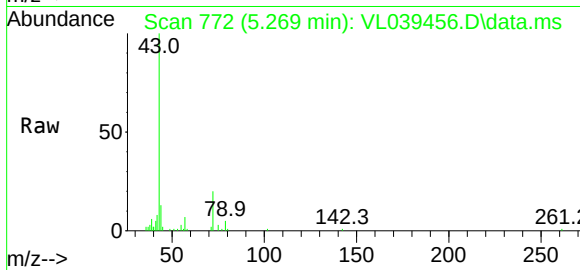
Tgt Ion:114 Resp: 4199229
Ion Ratio Lower Upper
114 100
63 24.6 20.2 30.4
88 18.3 14.5 21.7





#34
2-Butanone
Concen: 0.263 ppbv m
RT: 5.269 min Scan# 71
Delta R.T. 0.045 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

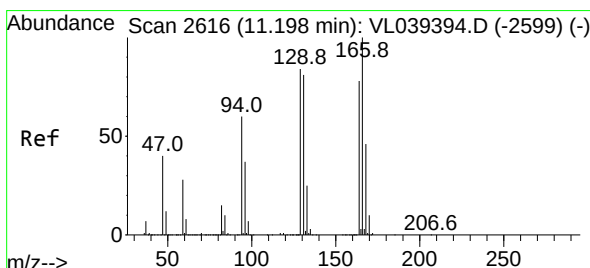
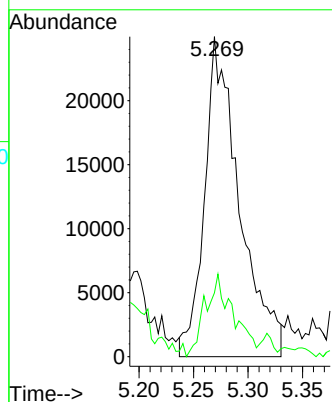
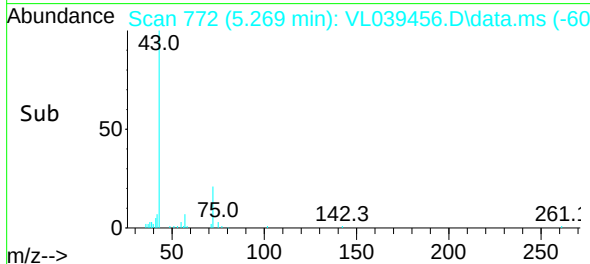
Instrument :
MSVOA_L
ClientSampleId :
SG-6



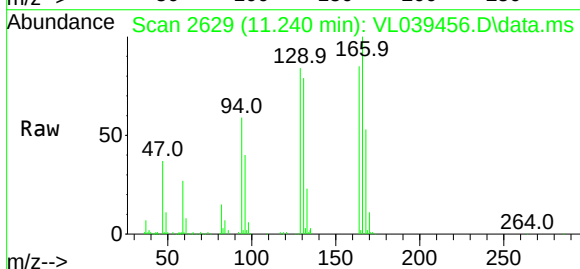
Tgt Ion: 43 Resp: 5554
Ion Ratio Lower Upper
43 100
72 0.0 17.9 26.9

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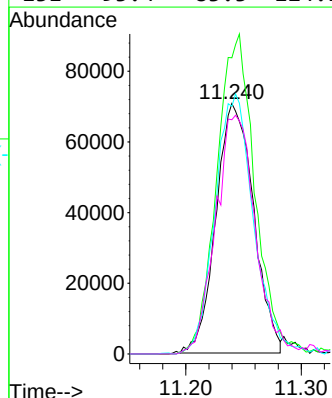
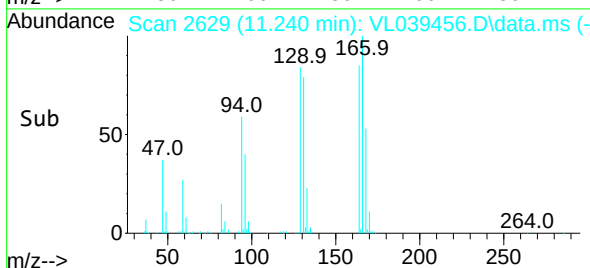
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022

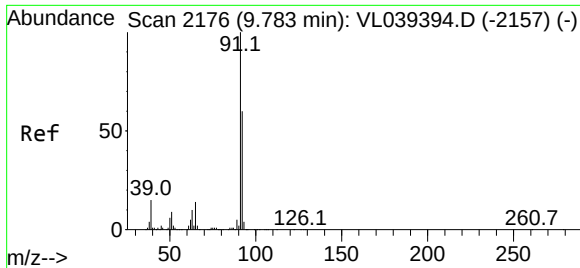


#52
Tetrachloroethene
Concen: 1.219 ppbv
RT: 11.240 min Scan# 2629
Delta R.T. 0.042 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13



Tgt Ion:164 Resp: 159484
Ion Ratio Lower Upper
164 100
166 117.9 102.2 153.2
129 98.7 85.8 128.8
131 93.4 83.3 124.9





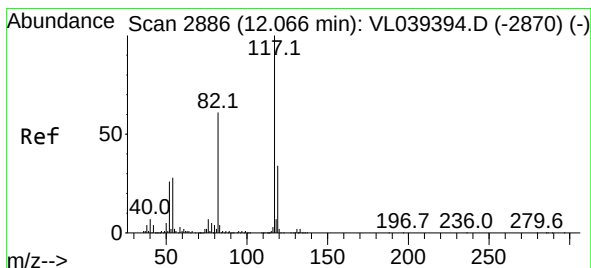
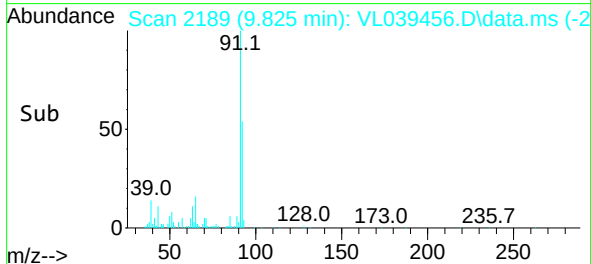
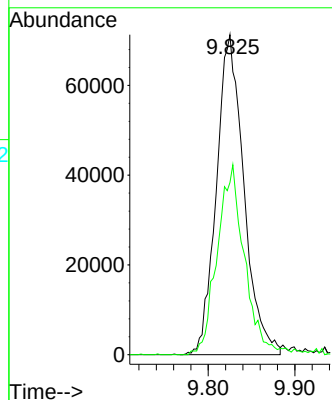
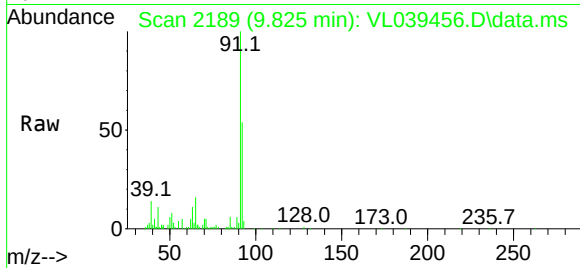
#53
Toluene
Concen: 0.419 ppbv
RT: 9.825 min Scan# 2176
Delta R.T. 0.042 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 91 Resp: 15704
Ion Ratio Lower Upper
91 100
92 60.0 48.2 72.2

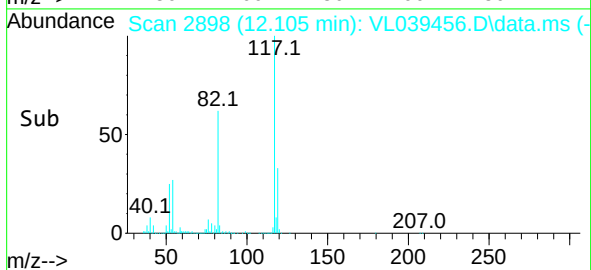
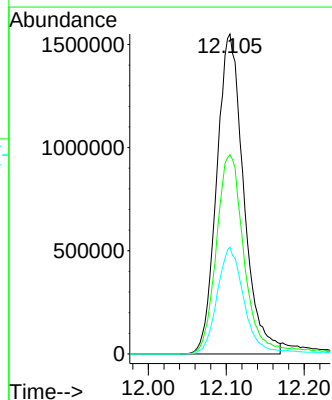
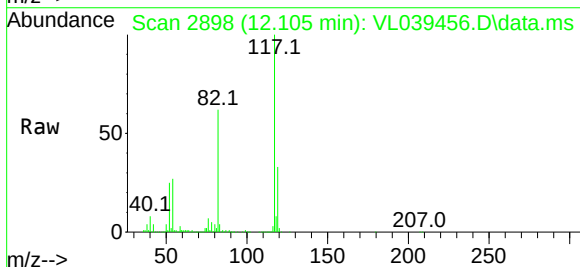
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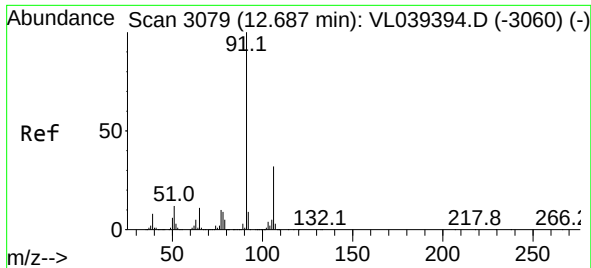
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.105 min Scan# 2898
Delta R.T. 0.039 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

Tgt Ion:117 Resp: 3726810
Ion Ratio Lower Upper
117 100
82 66.3 50.8 76.2
119 34.2 24.1 36.1





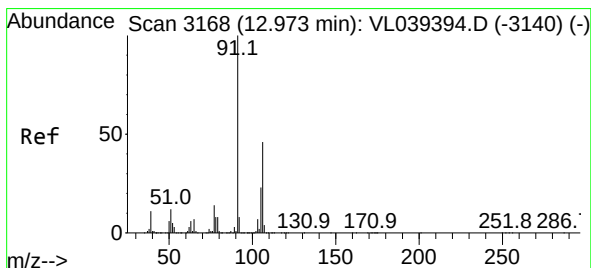
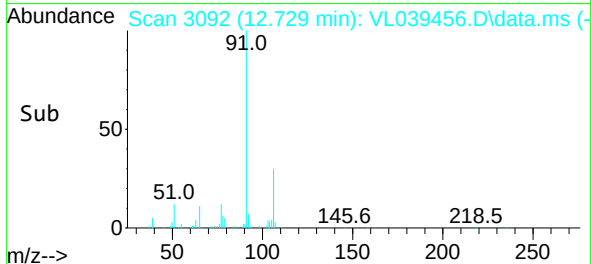
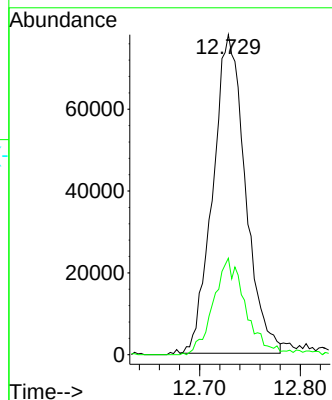
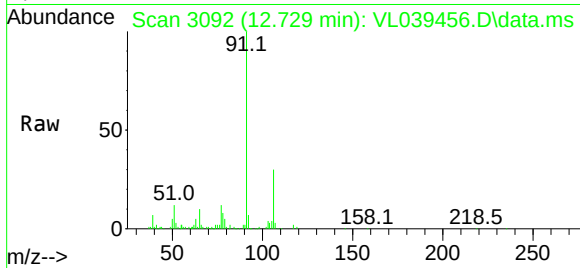
#58
Ethyl Benzene
Concen: 0.363 ppbv
RT: 12.729 min Scan# 3079
Delta R.T. 0.042 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

Instrument :
MSVOA_L
ClientSampleId :
SG-6

Tgt Ion: 91 Resp: 174819
Ion Ratio Lower Upper
91 100
106 30.3 25.4 38.0

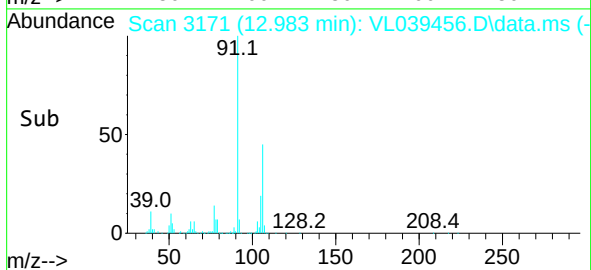
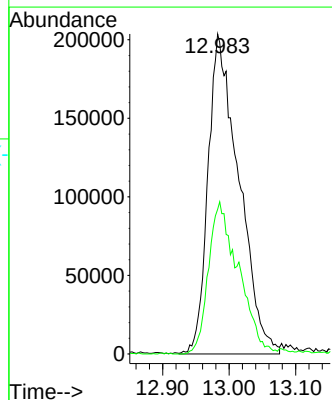
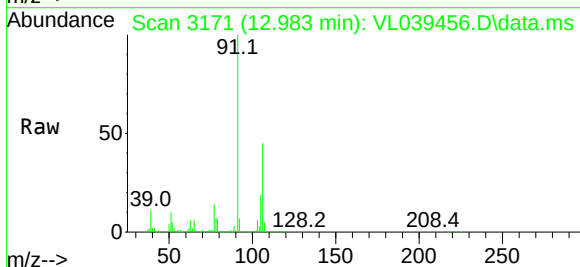
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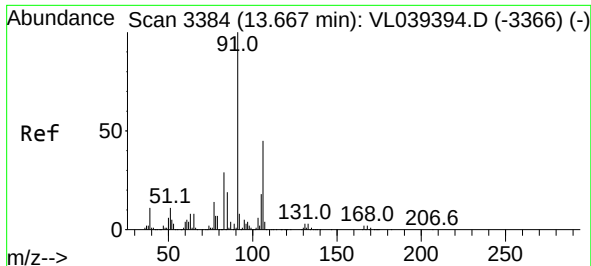
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#59
m/p-Xylene
Concen: 1.545 ppbv m
RT: 12.983 min Scan# 3171
Delta R.T. 0.010 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

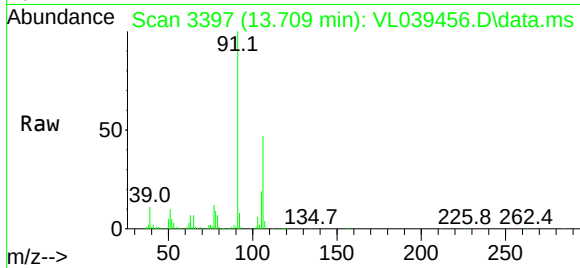
Tgt Ion: 91 Resp: 655277
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





#60
o-Xylene
Concen: 0.875 ppbv
RT: 13.709 min Scan# 31
Delta R.T. 0.042 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

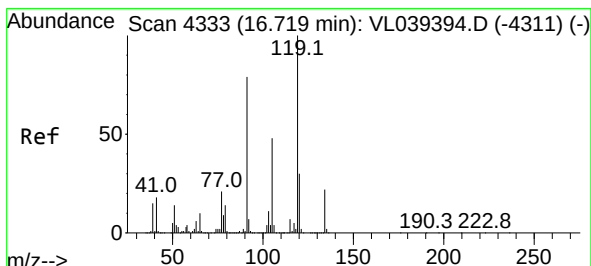
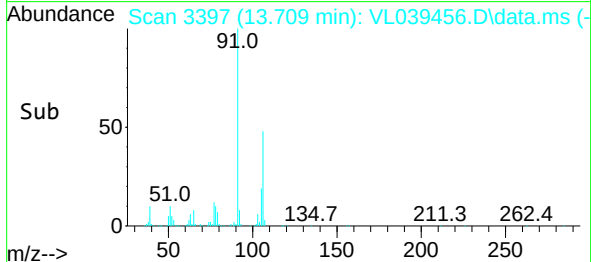
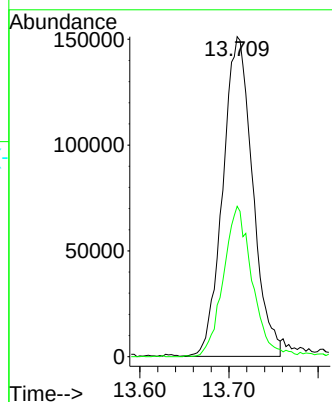
Instrument :
MSVOA_L
ClientSampleId :
SG-6



Tgt Ion: 91 Resp: 35166
Ion Ratio Lower Upper
91 100
106 46.3 22.4 67.3

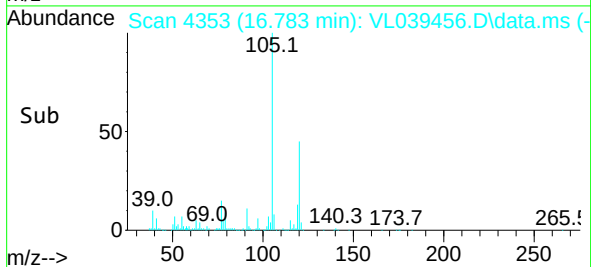
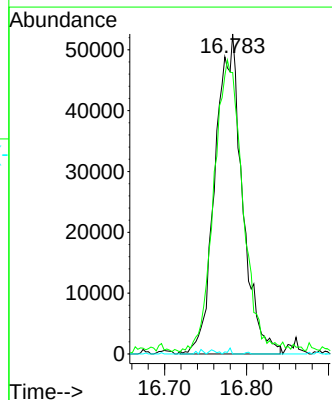
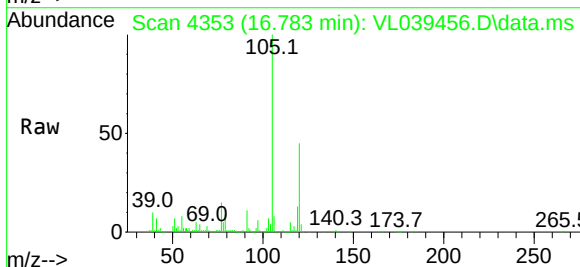
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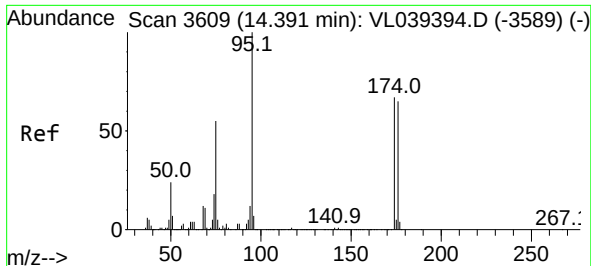
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#65
tert-Butylbenzene
Concen: 0.214 ppbv m
RT: 16.783 min Scan# 4353
Delta R.T. 0.064 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

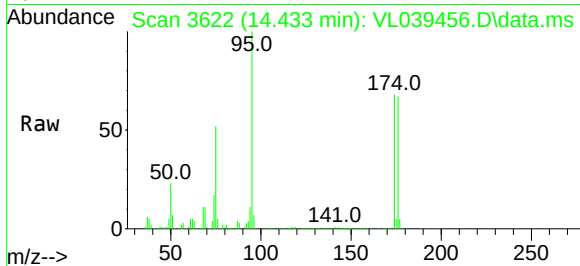
Tgt Ion:119 Resp: 120719
Ion Ratio Lower Upper
119 100
91 0.0 63.4 95.2#
134 0.0 15.9 23.9#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.451 ppbv
RT: 14.433 min Scan# 3609
Delta R.T. 0.042 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

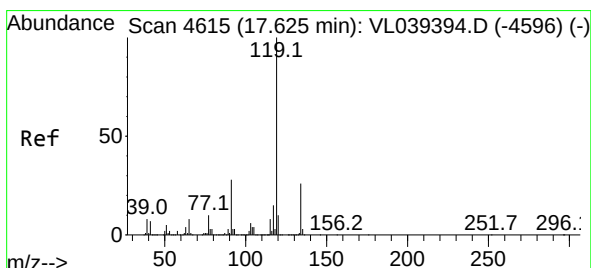
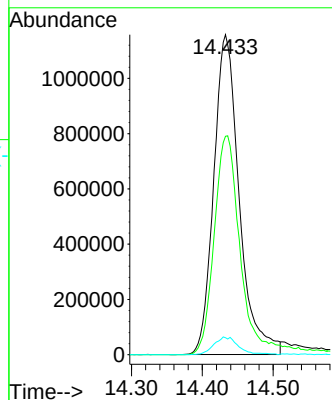
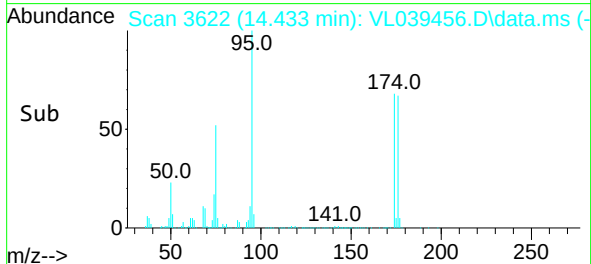
Instrument :
MSVOA_L
ClientSampleId :
SG-6



Tgt Ion: 95 Resp: 2889529
Ion Ratio Lower Upper
95 100
174 73.1 55.9 83.9
175 5.7 4.2 6.4

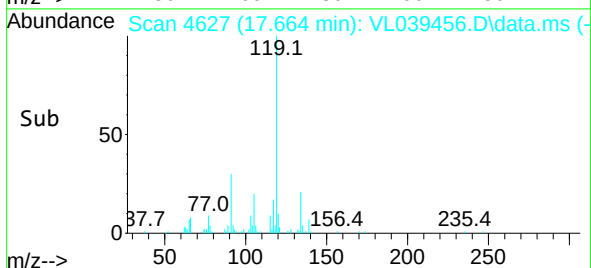
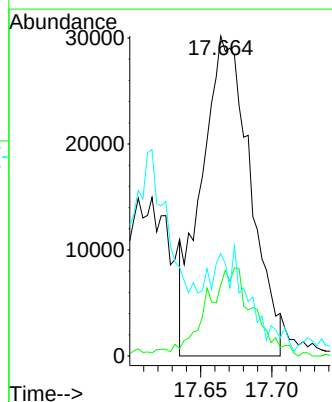
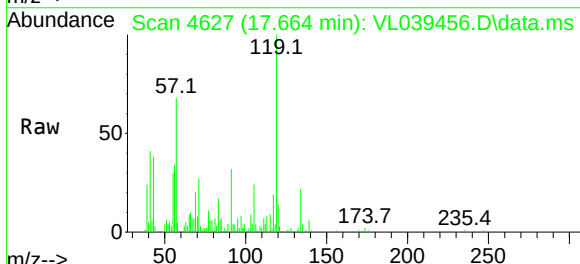
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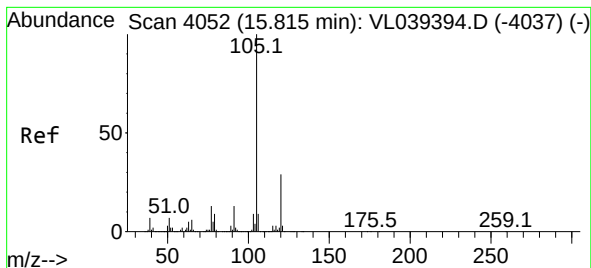
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#69
p-Isopropyltoluene
Concen: 0.111 ppbv m
RT: 17.664 min Scan# 4627
Delta R.T. 0.039 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

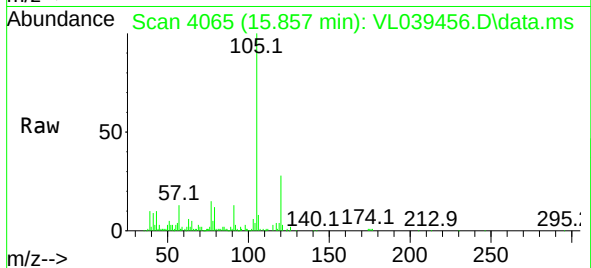
Tgt Ion:119 Resp: 71519
Ion Ratio Lower Upper
119 100
134 27.1 20.3 30.5
91 32.0 22.9 34.3





#72
4-Ethyltoluene
Concen: 0.478 ppbv
RT: 15.857 min Scan# 4052
Delta R.T. 0.042 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

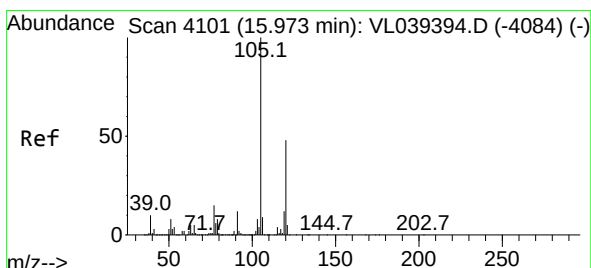
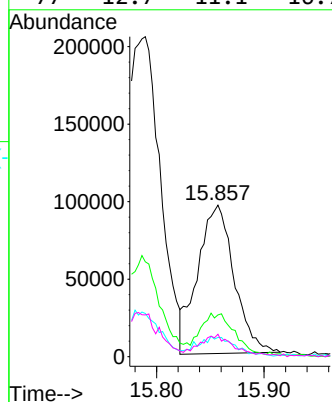
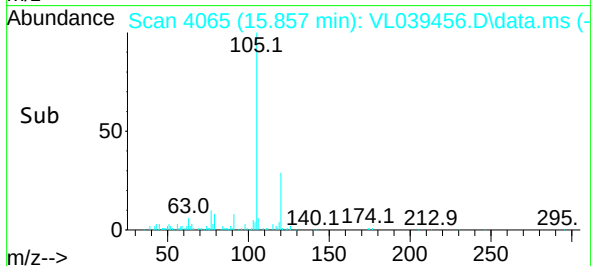
Instrument :
MSVOA_L
ClientSampleId :
SG-6



Tgt Ion:105 Resp: 225968
Ion Ratio Lower Upper
105 100
120 29.6 24.2 36.2
91 13.2 10.2 15.4
77 12.7 11.1 16.7

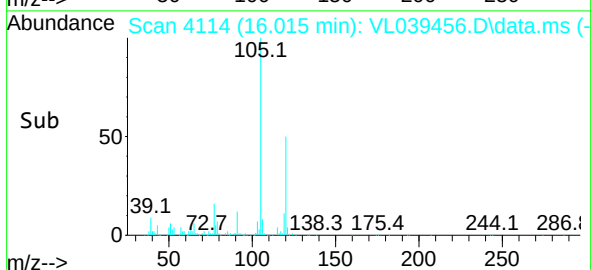
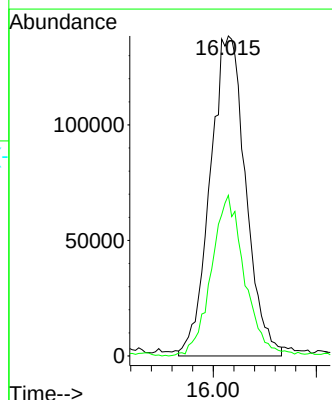
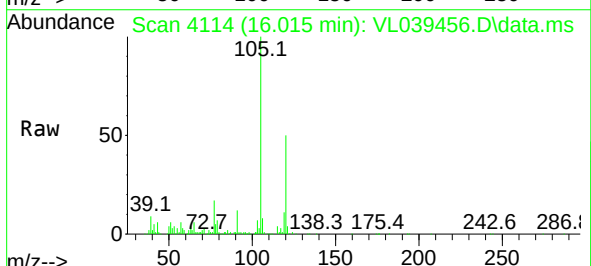
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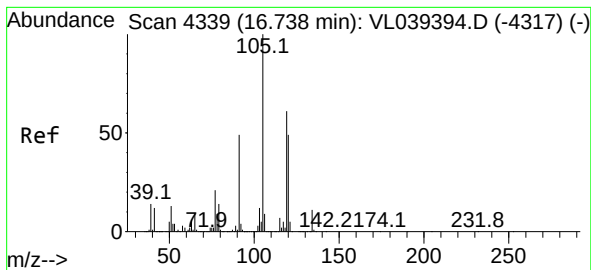
Reviewed By :Semsettin Yesilyurt 07/13/2022
Supervised By :Mahesh Dadoda 07/13/2022



#73
1,3,5-Trimethylbenzene
Concen: 0.763 ppbv m
RT: 16.015 min Scan# 4114
Delta R.T. 0.042 min
Lab File: VL039456.D
Acq: 12 Jul 2022 20:13

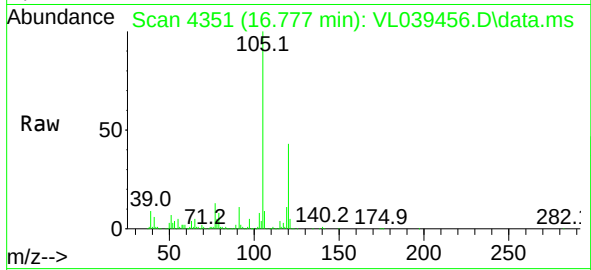
Tgt Ion:105 Resp: 331115
Ion Ratio Lower Upper
105 100
120 50.2 38.2 57.4





#74
 1,2,4-Trimethylbenzene
 Concen: 2.175 ppbv
 RT: 16.777 min Scan# 41
 Delta R.T. 0.039 min
 Lab File: VL039456.D
 Acq: 12 Jul 2022 20:13

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-6



Tgt Ion:105 Resp: 1043630
 Ion Ratio Lower Upper
 105 100
 120 43.1 39.5 59.3
 91 10.8 39.2 58.8
 77 13.4 17.2 25.8#

Manual Integrations
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Reviewed By :Semsettin Yesilyurt 07/13/2022
 Supervised By :Mahesh Dadoda 07/13/2022

