

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
 Data File : VL039345.D
 Acq On : 24 Jun 2022 17:41
 Operator : SY/AP
 Sample : N3489-04 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3-20220622

Manual Integrations
 APPROVED

Reviewed By : Semsettin Yesilyurt 06/27/2022
 Supervised By : Mahesh Dadoda 06/30/2022

Quant Time: Jun 27 01:51:52 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 01 01:22:18 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	5.668	49	1233510	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.173	114	3421458	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3115154	10.000	ppbv	-0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	2307102	8.958	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.047	85	94146	0.435	ppbv	96
3) Chlorodifluoromethane	2.986	51	34116	0.217	ppbv	95
9) Propene	3.009	41	568663	8.309	ppbv	91
10) Heptane	8.115	43	87904m	0.551	ppbv	
11) Trichlorofluoromethane	3.948	101	28793m	0.147	ppbv	
13) Ethanol	3.594	45	157359	42.163	ppbv #	100
15) Acetone	3.841	43	13766502	107.139	ppbv #	88
17) tert-Butyl alcohol	4.285	59	123471	1.239	ppbv	95
19) Isopropyl Alcohol	3.954	45	1550033	25.720	ppbv #	93
20) Methylene Chloride	4.343	84	46195	0.853	ppbv	87
26) Hexane	5.681	57	89362m	0.702	ppbv	
27) Carbon Disulfide	4.549	76	63362	0.480	ppbv #	88
29) Chloroform	5.751	83	177730	0.830	ppbv	95
34) 2-Butanone	5.237	43	1501559	8.078	ppbv	98
36) Benzene	6.890	78	55613	0.200	ppbv #	86
44) 2,2,4-Trimethylpentane	7.864	57	93066	0.192	ppbv #	70
51) 2-Hexanone	10.131	43	240853	1.112	ppbv #	97
52) Tetrachloroethene	11.221	164	3994m	0.037	ppbv	
53) Toluene	9.799	91	97489	0.305	ppbv	98
59) m/p-Xylene	12.960	91	83842m	0.222	ppbv	
60) o-Xylene	13.687	91	59585	0.168	ppbv	94
73) 1,3,5-Trimethylbenzene	15.995	105	36362m	0.097	ppbv	
74) 1,2,4-Trimethylbenzene	16.754	105	100368	0.240	ppbv #	58
75) 1,3-Dichlorobenzene	16.998	146	24997m	0.105	ppbv	

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

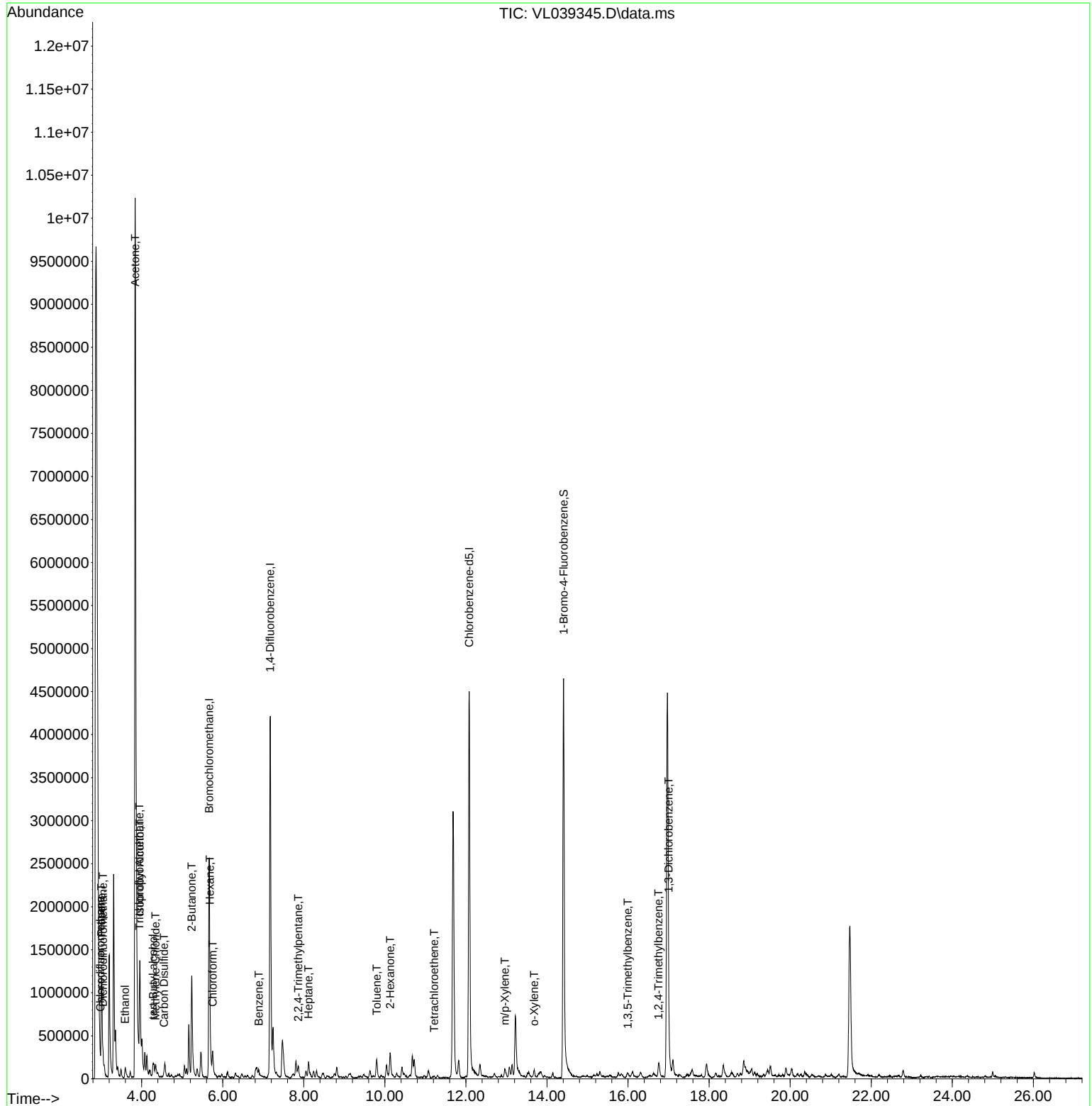
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
Data File : VL039345.D
Acq On : 24 Jun 2022 17:41
Operator : SY/AP
Sample : N3489-04 4X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

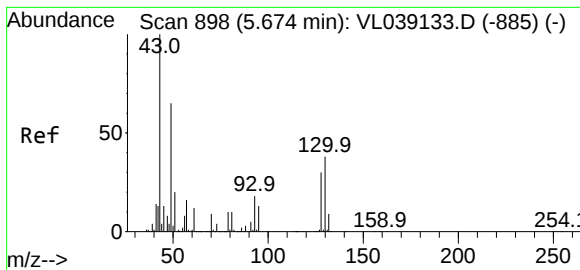
Instrument :
MSVOA_L
ClientSampleId :
SV-3-20220622

Quant Time: Jun 27 01:51:52 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

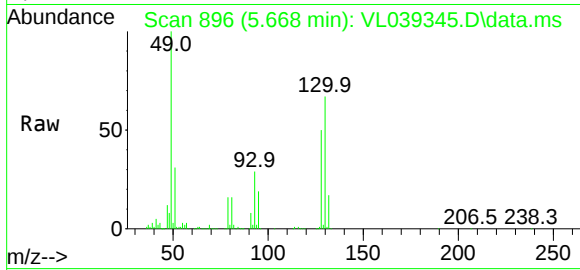
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 89
Delta R.T. -0.006 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

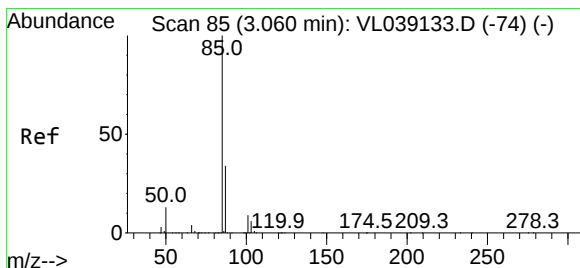
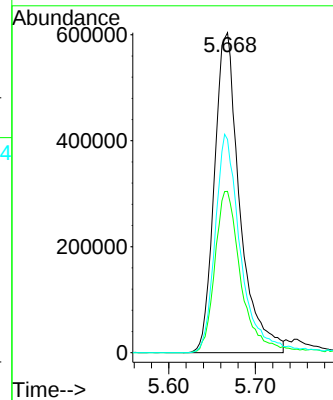
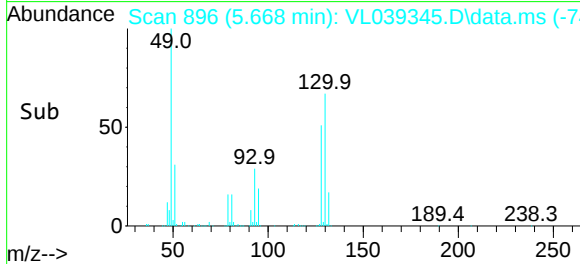
Instrument :
MSVOA_L
ClientSampleId :
SV-3-20220622



Tgt Ion: 49 Resp: 1233510
Ion Ratio Lower Upper
49 100
128 53.3 24.7 74.1
130 69.7 31.4 94.0

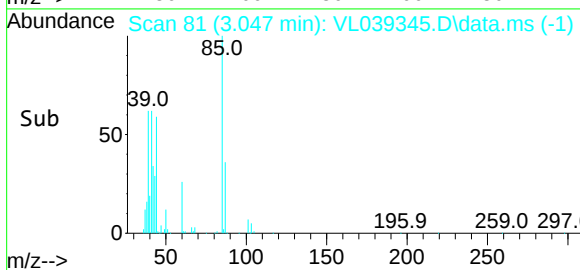
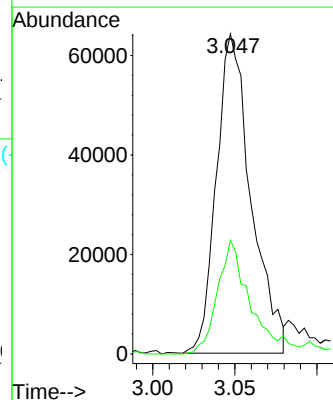
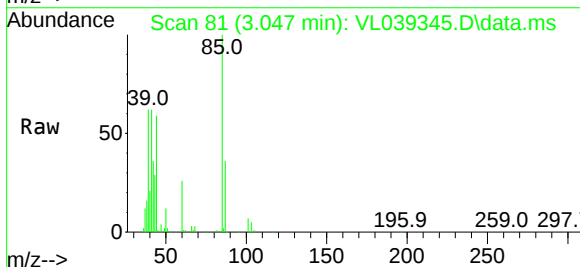
Manual Integrations
APPROVED

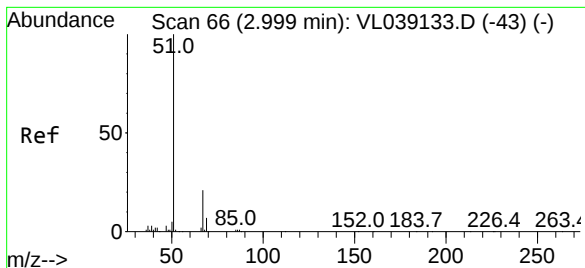
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#2
Dichlorodifluoromethane
Concen: 0.435 ppbv
RT: 3.047 min Scan# 81
Delta R.T. -0.013 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

Tgt Ion: 85 Resp: 94146
Ion Ratio Lower Upper
85 100
87 35.7 26.9 40.3





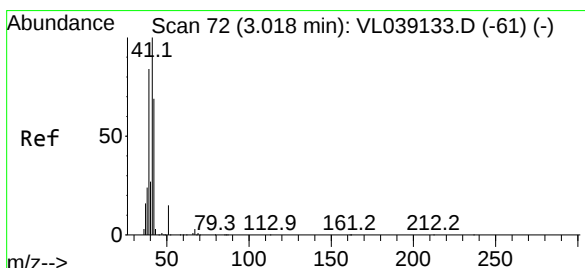
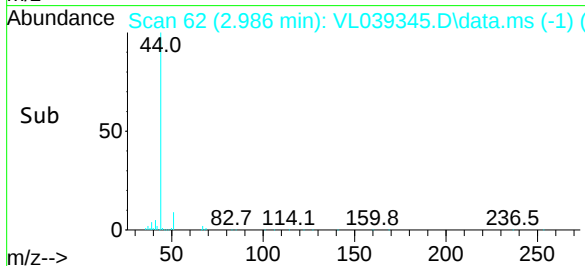
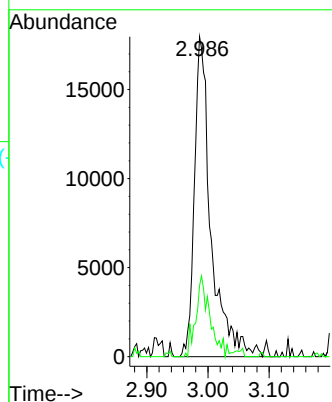
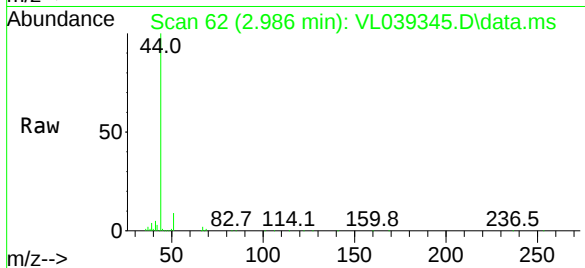
#3
Chlorodifluoromethane
Concen: 0.217 ppbv
RT: 2.986 min Scan# 61
Delta R.T. -0.013 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

Instrument :
MSVOA_L
ClientSampleId :
SV-3-20220622

Tgt Ion: 51 Resp: 34110
Ion Ratio Lower Upper
51 100
67 22.8 16.2 24.4

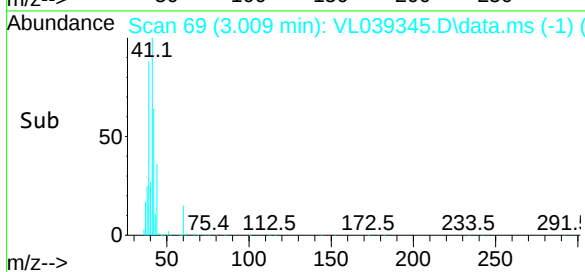
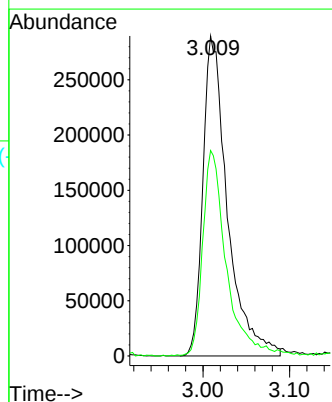
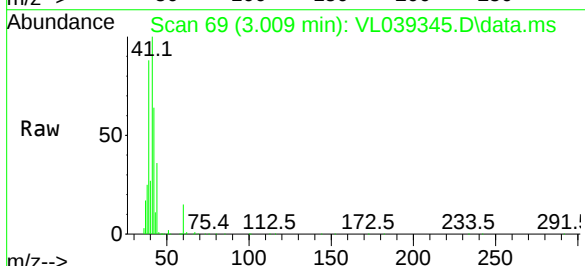
Manual Integrations
APPROVED

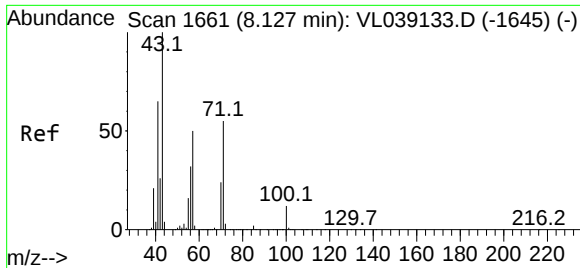
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#9
Propene
Concen: 8.309 ppbv
RT: 3.009 min Scan# 69
Delta R.T. -0.010 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

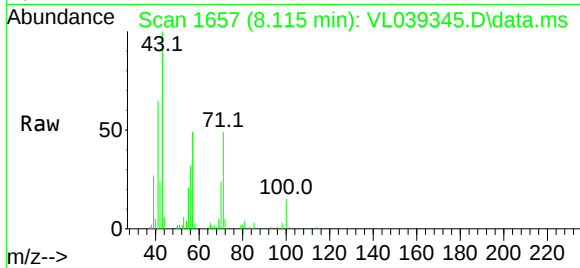
Tgt Ion: 41 Resp: 568663
Ion Ratio Lower Upper
41 100
42 62.3 55.4 83.2





#10
Heptane
Concen: 0.551 ppbv m
RT: 8.115 min Scan# 1
Delta R.T. -0.013 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

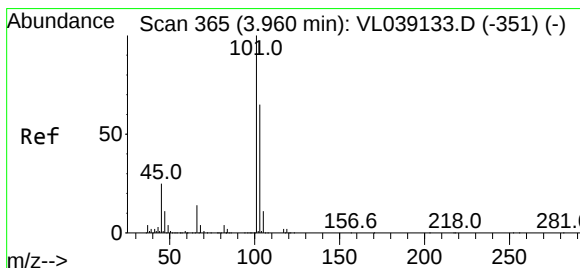
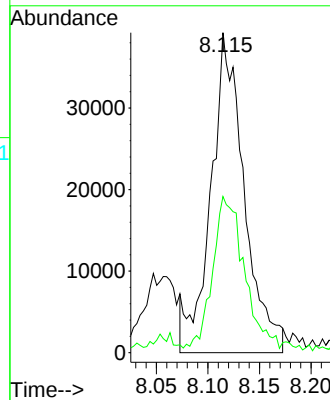
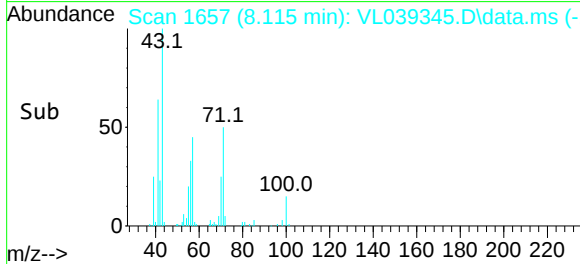
Instrument :
MSVOA_L
ClientSampleId :
SV-3-20220622



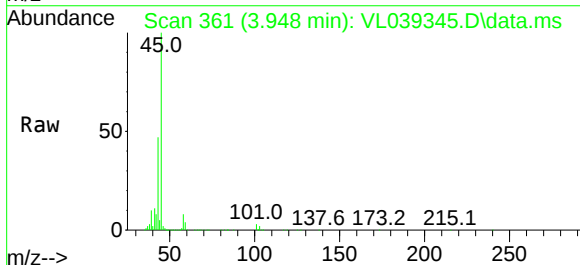
Tgt Ion: 43 Resp: 87904
Ion Ratio Lower Upper
43 100
57 47.6 41.4 62.2

Manual Integrations
APPROVED

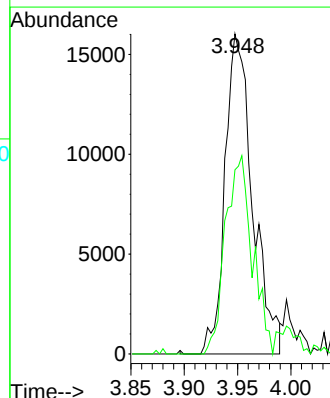
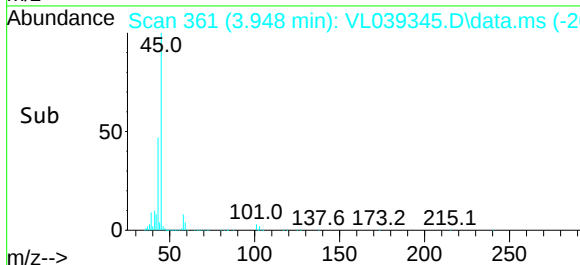
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

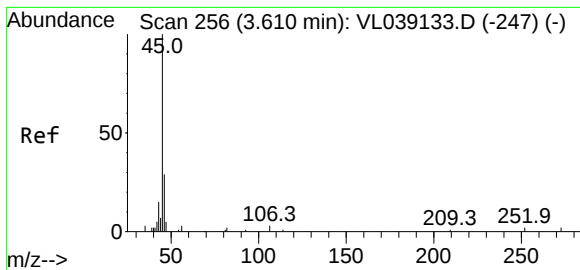


#11
Trichlorofluoromethane
Concen: 0.147 ppbv m
RT: 3.948 min Scan# 361
Delta R.T. -0.013 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41



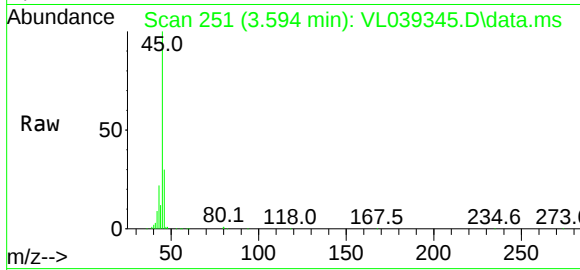
Tgt Ion:101 Resp: 28793
Ion Ratio Lower Upper
101 100
103 57.6 51.7 77.5





#13
Ethanol
Concen: 42.163 ppbv
RT: 3.594 min Scan# 215
Delta R.T. -0.016 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

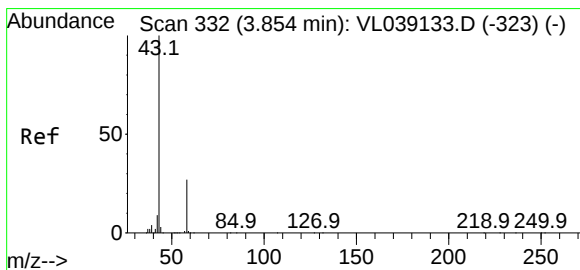
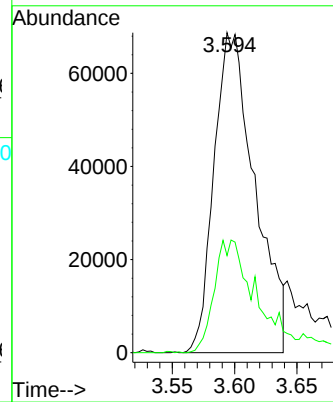
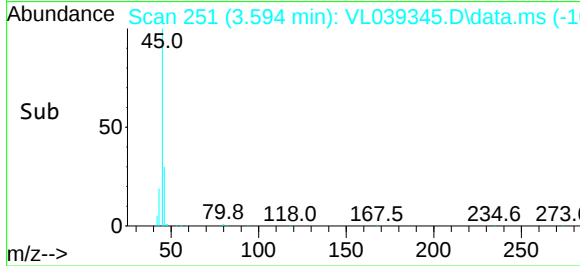
Instrument :
MSVOA_L
ClientSampleId :
SV-3-20220622



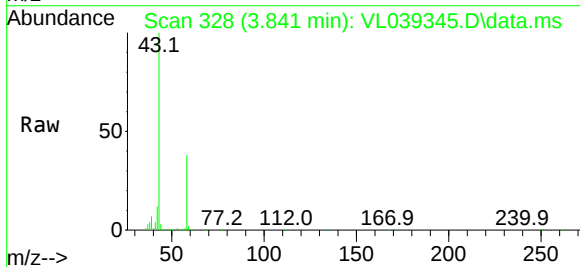
Tgt Ion: 45 Resp: 157359
Ion Ratio Lower Upper
45 100
46 41.7 0.0 0.0

Manual Integrations
APPROVED

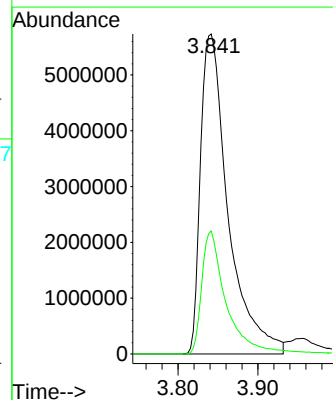
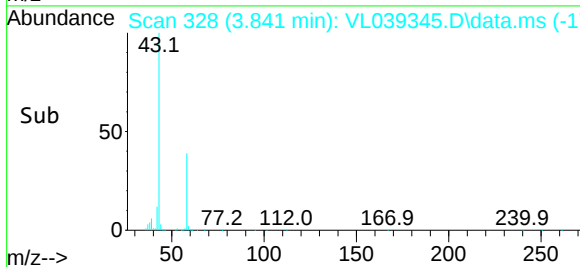
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

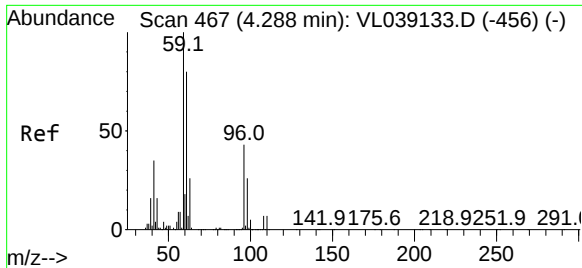


#15
Acetone
Concen: 107.139 ppbv
RT: 3.841 min Scan# 328
Delta R.T. -0.013 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41



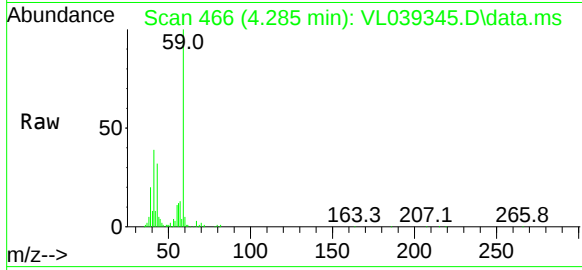
Tgt Ion: 43 Resp:13766502
Ion Ratio Lower Upper
43 100
58 34.5 22.5 33.7





#17
tert-Butyl alcohol
Concen: 1.239 ppbv
RT: 4.285 min Scan# 41
Delta R.T. -0.003 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

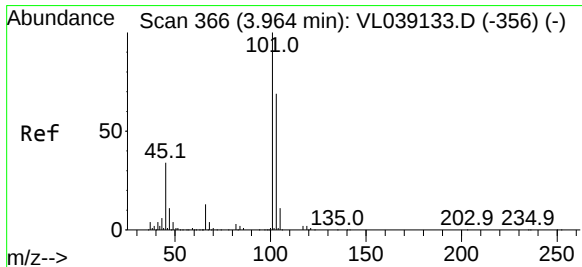
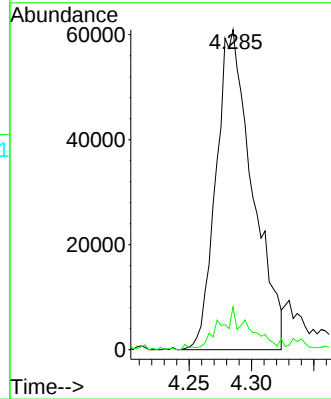
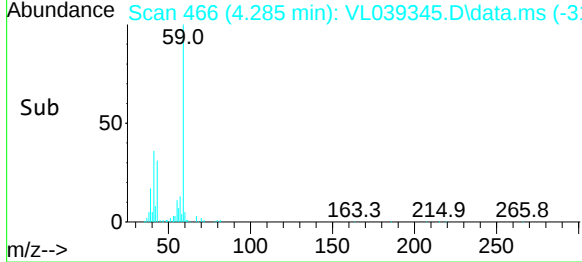
Instrument :
MSVOA_L
ClientSampleId :
SV-3-20220622



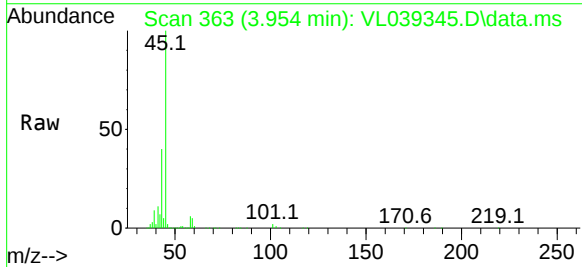
Tgt Ion: 59 Resp: 12347
Ion Ratio Lower Upper
59 100
57 13.4 9.1 13.7

Manual Integrations
APPROVED

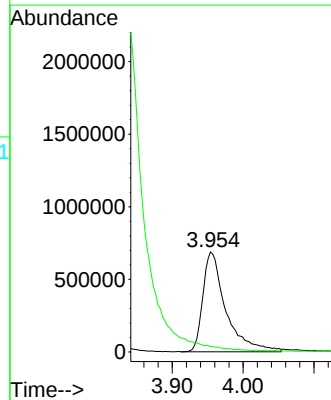
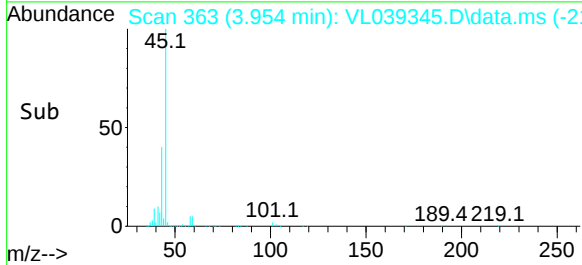
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

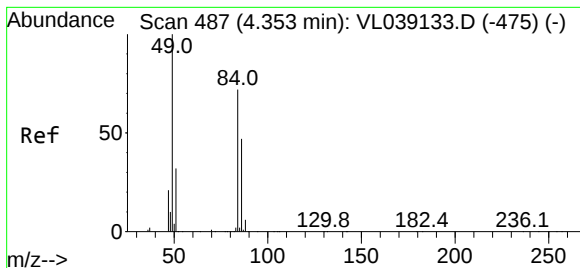


#19
Isopropyl Alcohol
Concen: 25.720 ppbv
RT: 3.954 min Scan# 363
Delta R.T. -0.010 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41



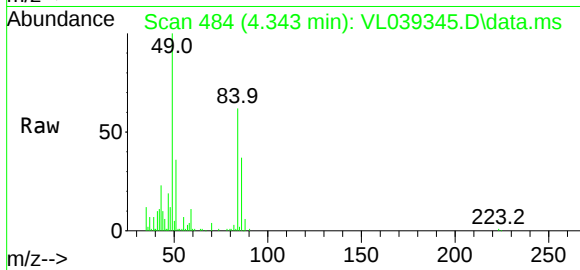
Tgt Ion: 45 Resp: 1550033
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8#





#20
Methylene Chloride
Concen: 0.853 ppbv
RT: 4.343 min Scan# 41
Delta R.T. -0.010 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

Instrument :
MSVOA_L
ClientSampleId :
SV-3-20220622

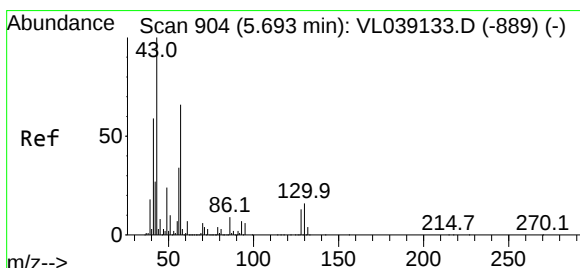
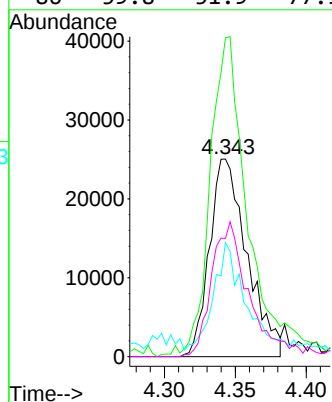
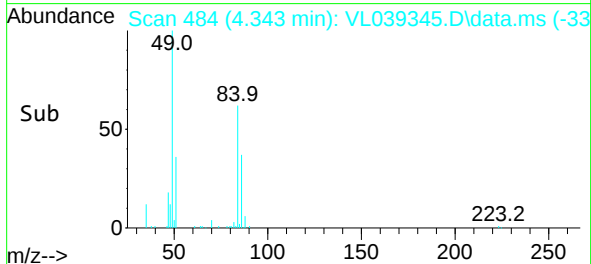


Tgt Ion: 84 Resp: 4619

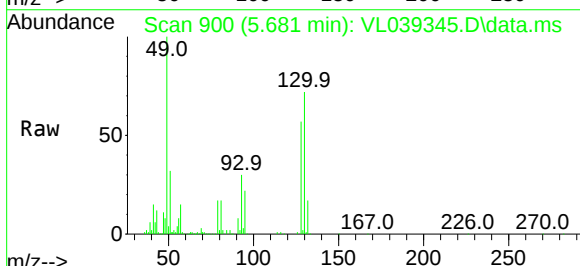
Ion	Ratio	Lower	Upper
84	100		
49	159.6	111.1	166.7
51	48.8	35.3	52.9
86	59.8	51.9	77.9

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

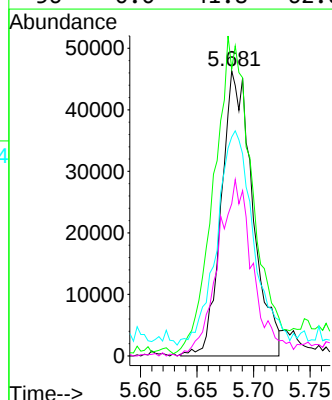
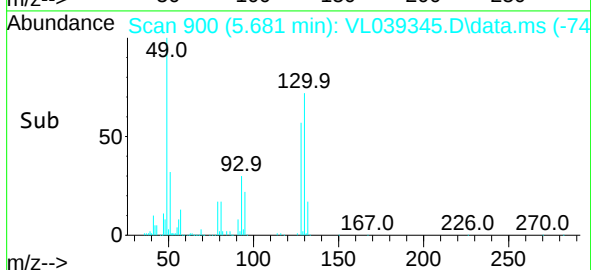


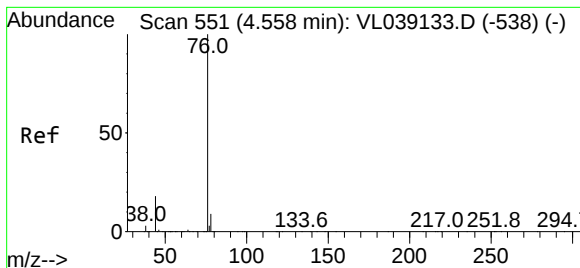
#26
Hexane
Concen: 0.702 ppbv m
RT: 5.681 min Scan# 900
Delta R.T. -0.013 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41



Tgt Ion: 57 Resp: 89362

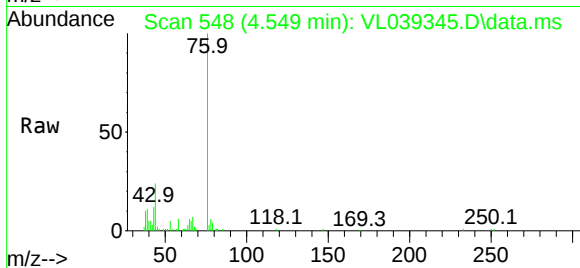
Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.4	108.6#
43	0.0	187.0	280.6#
56	0.0	41.8	62.6#





#27
Carbon Disulfide
Concen: 0.480 ppbv
RT: 4.549 min Scan# 548
Delta R.T. -0.010 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

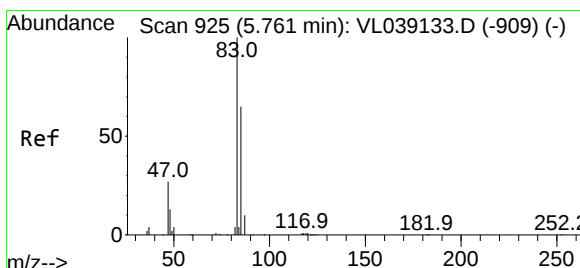
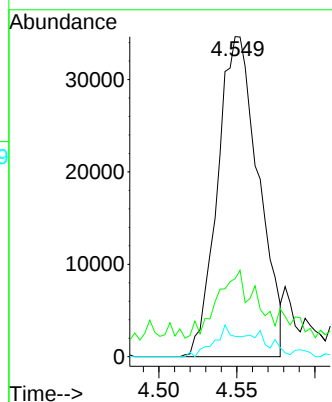
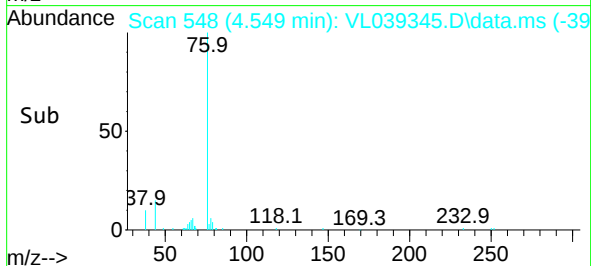
Instrument : MSVOA_L
ClientSampleId : SV-3-20220622



Tgt Ion: 76 Resp: 63362
Ion Ratio Lower Upper
76 100
44 25.3 14.4 21.6
78 10.9 7.7 11.5

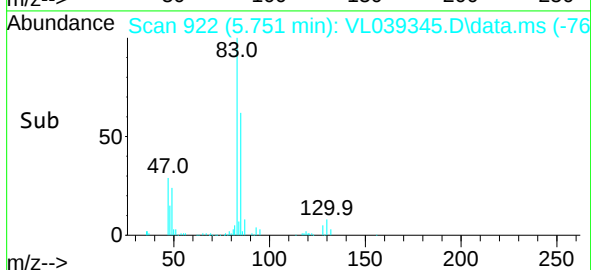
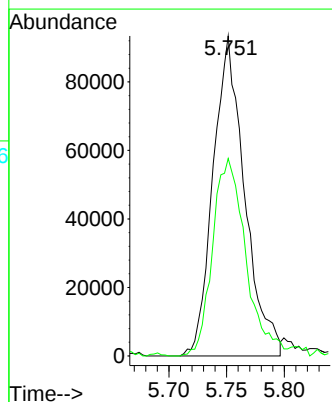
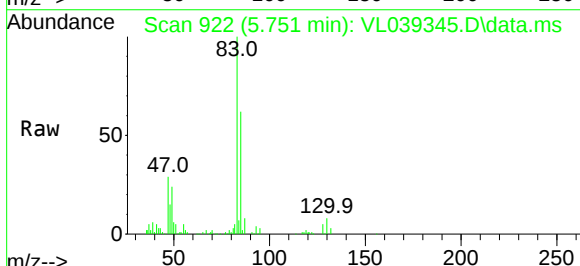
Manual Integrations
APPROVED

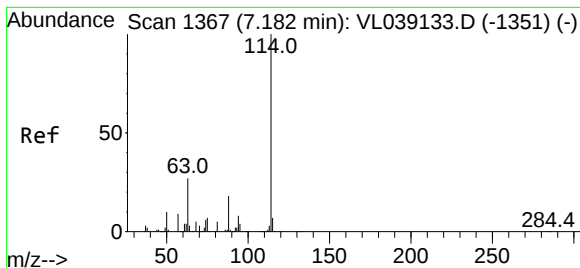
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#29
Chloroform
Concen: 0.830 ppbv
RT: 5.751 min Scan# 922
Delta R.T. -0.010 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

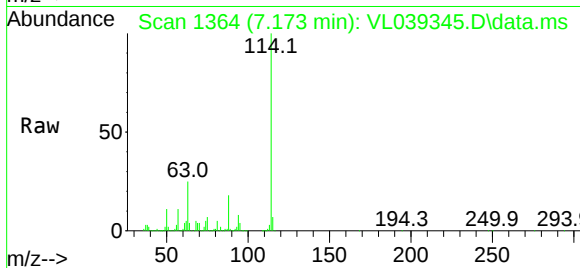
Tgt Ion: 83 Resp: 177730
Ion Ratio Lower Upper
83 100
85 61.7 52.4 78.6





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.173 min Scan# 114
Delta R.T. -0.010 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

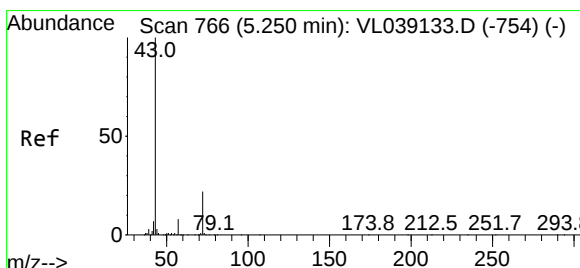
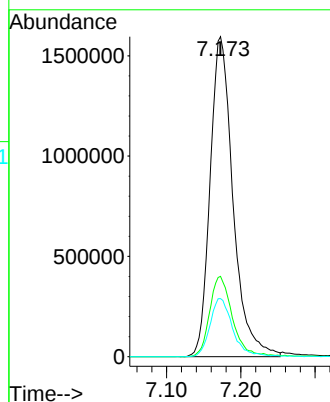
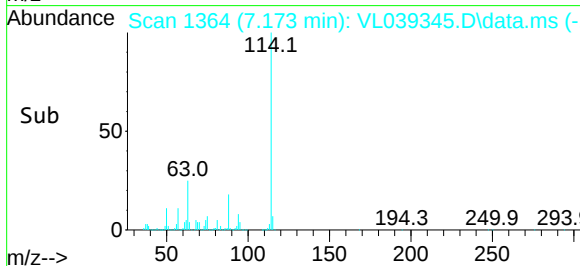
Instrument : MSVOA_L
ClientSampleId : SV-3-20220622



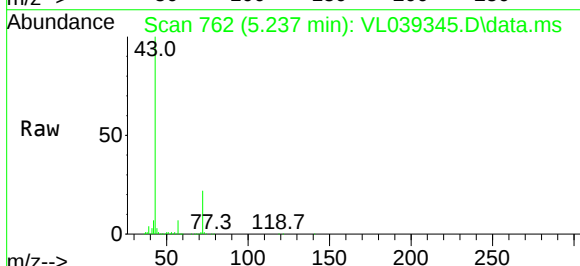
Tgt Ion:114 Resp: 3421458
Ion Ratio Lower Upper
114 100
63 25.1 21.7 32.5
88 18.0 14.8 22.2

Manual Integrations
APPROVED

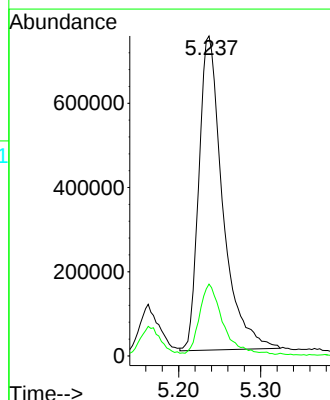
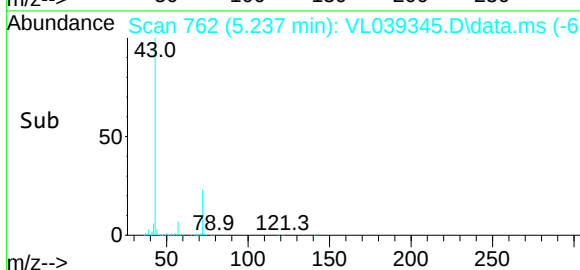
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

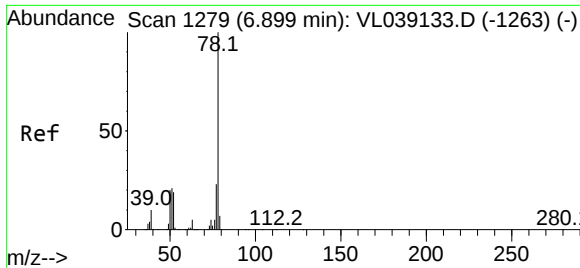


#34
2-Butanone
Concen: 8.078 ppbv
RT: 5.237 min Scan# 762
Delta R.T. -0.013 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41



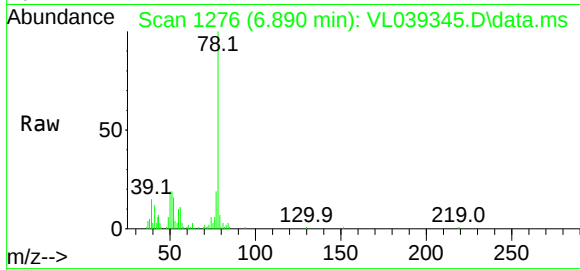
Tgt Ion: 43 Resp: 1501559
Ion Ratio Lower Upper
43 100
72 23.9 18.2 27.2





#36
Benzene
Concen: 0.200 ppbv
RT: 6.890 min Scan# 11
Delta R.T. -0.010 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

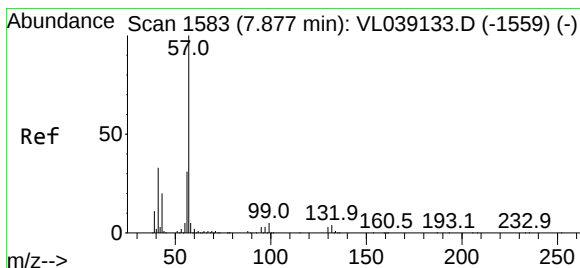
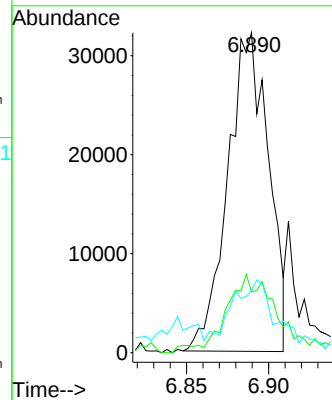
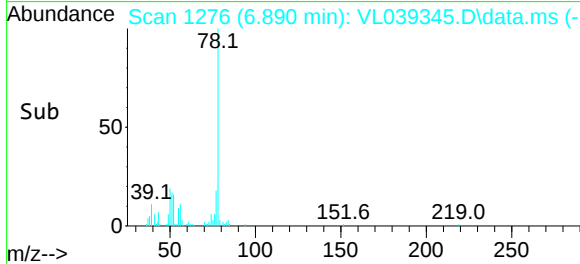
Instrument :
MSVOA_L
ClientSampleId :
SV-3-20220622



Tgt Ion: 78 Resp: 5561
Ion Ratio Lower Upper
78 100
77 16.8 18.6 27.8#
50 12.5 15.8 23.8#

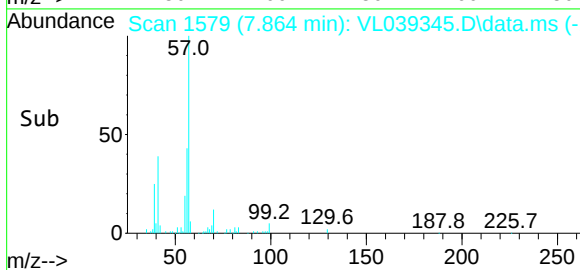
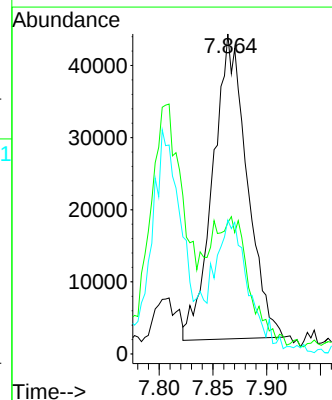
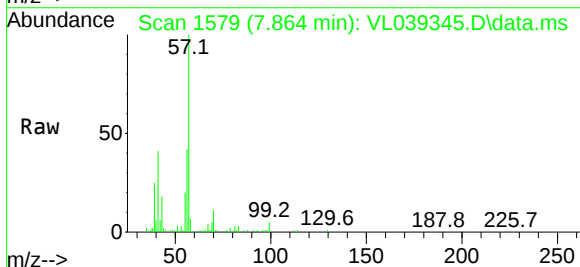
Manual Integrations
APPROVED

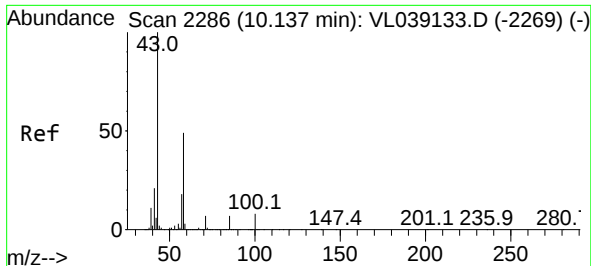
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#44
2,2,4-Trimethylpentane
Concen: 0.192 ppbv
RT: 7.864 min Scan# 1579
Delta R.T. -0.013 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

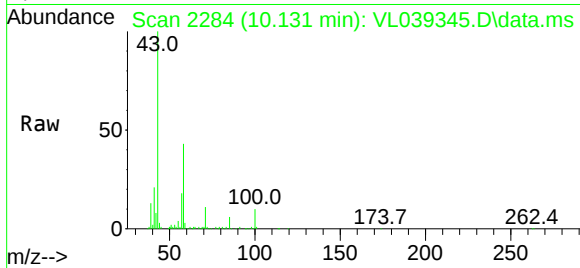
Tgt Ion: 57 Resp: 93066
Ion Ratio Lower Upper
57 100
41 50.4 26.2 39.4#
56 46.7 24.7 37.1#





#51
2-Hexanone
Concen: 1.112 ppbv
RT: 10.131 min Scan# 21
Delta R.T. -0.006 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

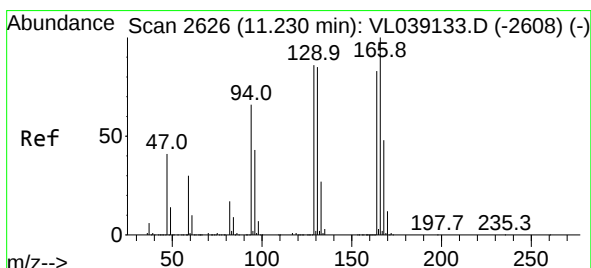
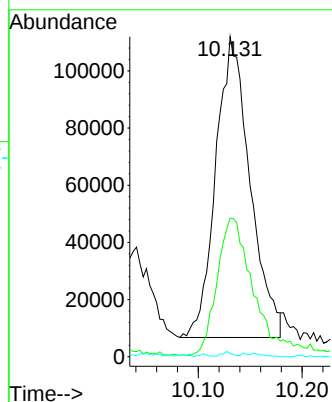
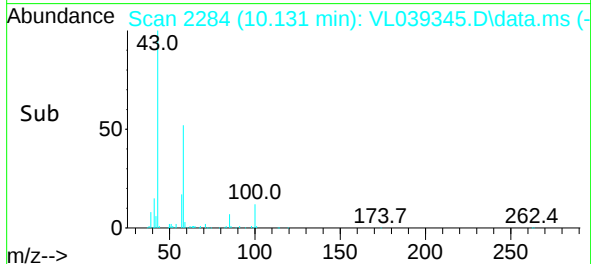
Instrument :
MSVOA_L
ClientSampleId :
SV-3-20220622



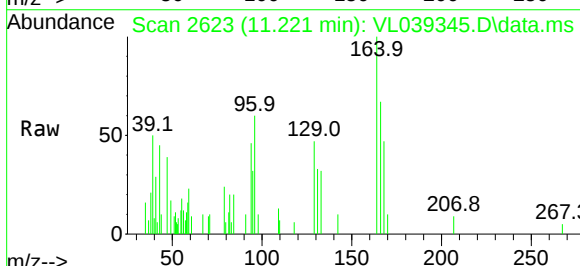
Tgt Ion: 43 Resp: 24085
Ion Ratio Lower Upper
43 100
58 52.3 40.0 60.0
98 1.3 0.1 0.1

Manual Integrations
APPROVED

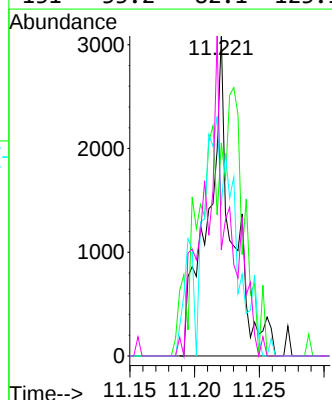
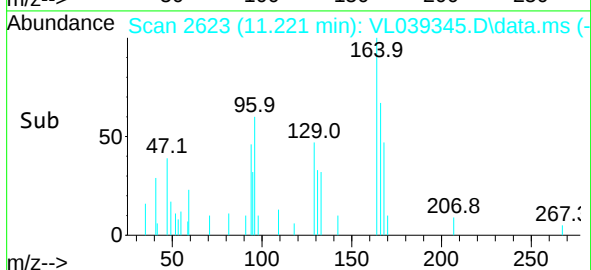
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

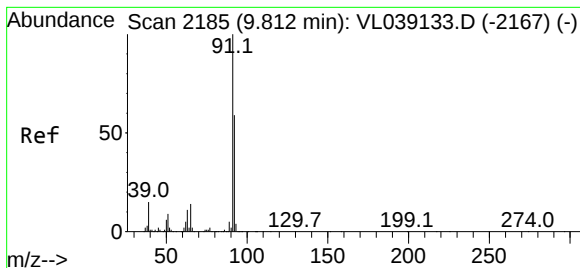


#52
Tetrachloroethene
Concen: 0.037 ppbv m
RT: 11.221 min Scan# 2623
Delta R.T. -0.010 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41



Tgt Ion:164 Resp: 3994
Ion Ratio Lower Upper
164 100
166 66.6 96.3 144.5#
129 47.1 82.5 123.7#
131 33.2 82.1 123.1#





#53

Toluene

Concen: 0.305 ppbv

RT: 9.799 min Scan# 2185

Delta R.T. -0.013 min

Lab File: VL039345.D

Acq: 24 Jun 2022 17:41

Instrument :

MSVOA_L

ClientSampleId :

SV-3-20220622

Tgt Ion: 91 Resp: 97489

Ion Ratio Lower Upper

91 100

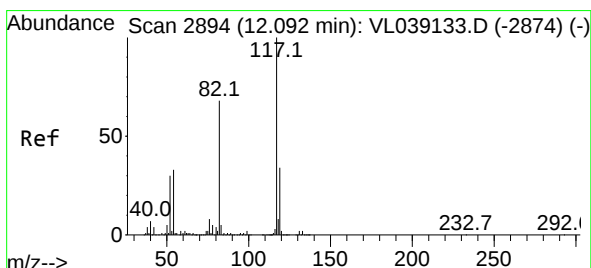
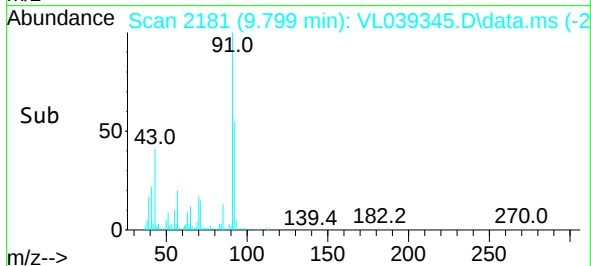
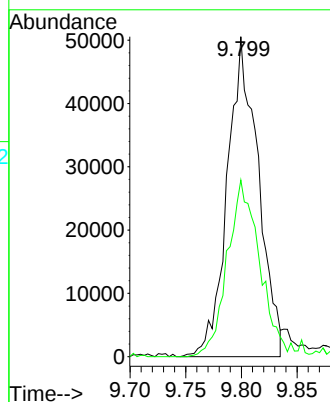
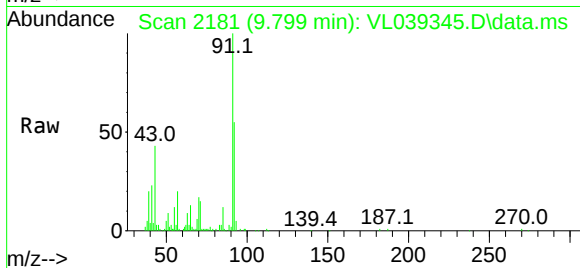
92 58.9 48.1 72.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2022

Supervised By :Mahesh Dadoda 06/30/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.079 min Scan# 2890

Delta R.T. -0.013 min

Lab File: VL039345.D

Acq: 24 Jun 2022 17:41

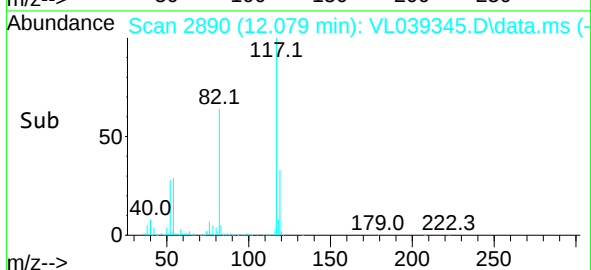
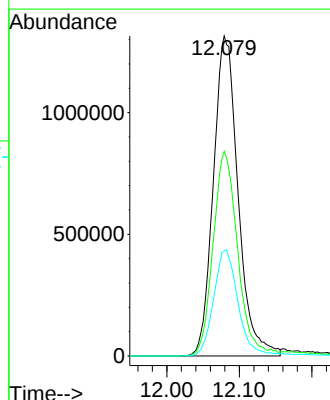
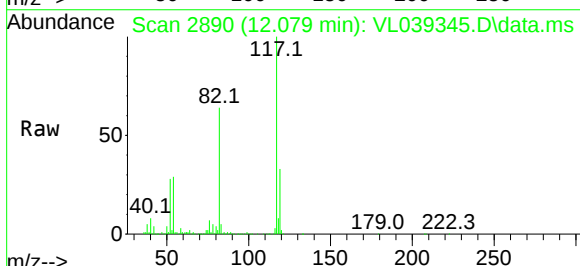
Tgt Ion:117 Resp: 3115154

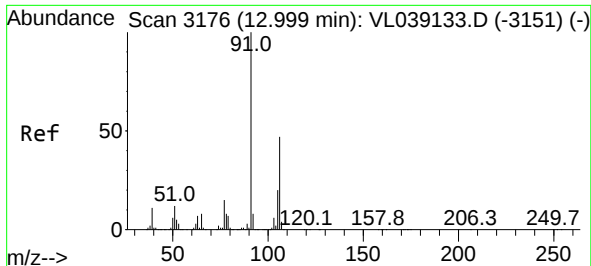
Ion Ratio Lower Upper

117 100

82 65.8 55.1 82.7

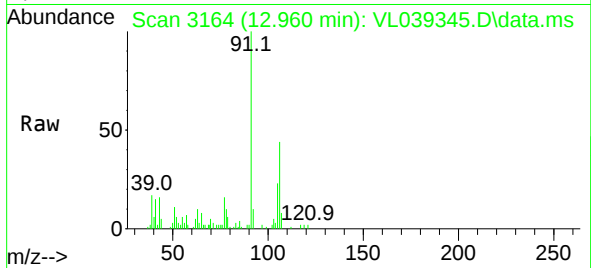
119 33.7 24.7 37.1





#59
m/p-Xylene
Concen: 0.222 ppbv m
RT: 12.960 min Scan# 3176
Delta R.T. -0.039 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

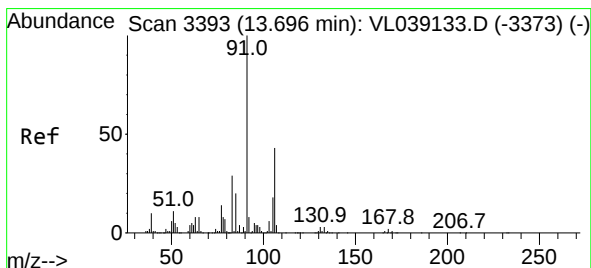
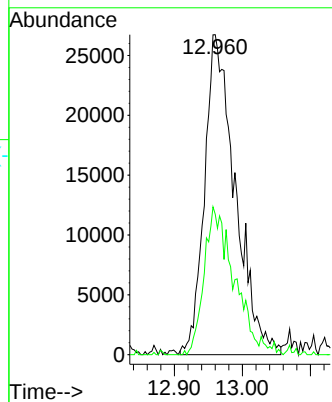
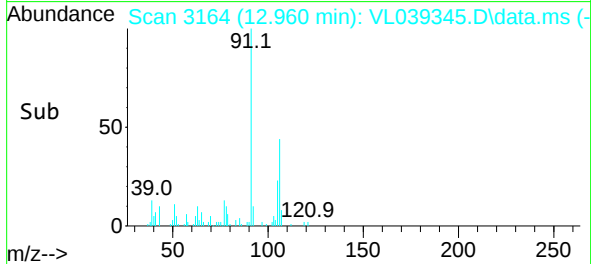
Instrument :
MSVOA_L
ClientSampleId :
SV-3-20220622



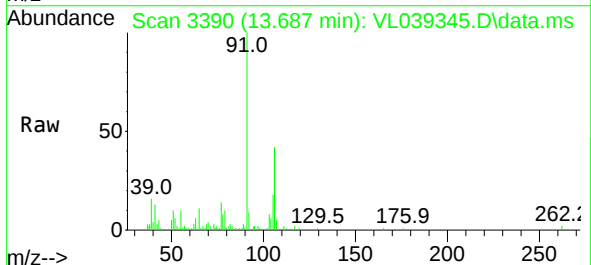
Tgt Ion: 91 Resp: 8384
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5

Manual Integrations
APPROVED

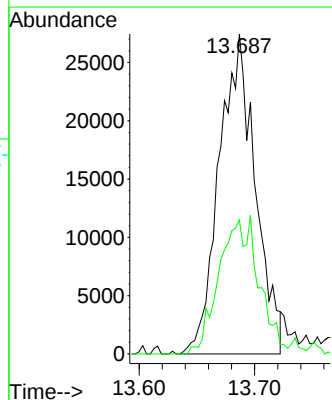
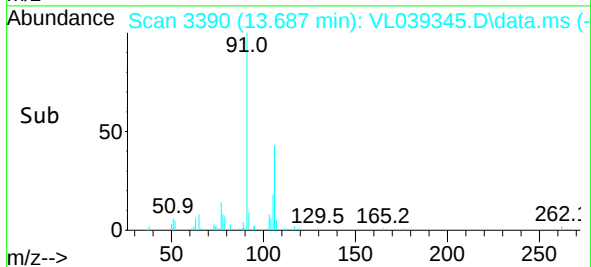
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

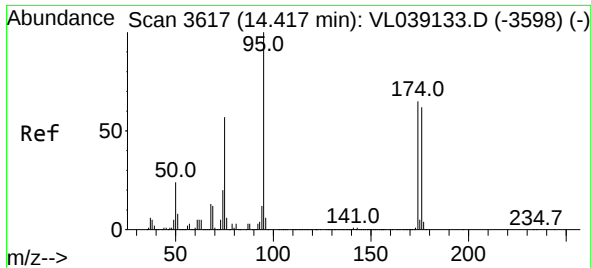


#60
o-Xylene
Concen: 0.168 ppbv
RT: 13.687 min Scan# 3390
Delta R.T. -0.010 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41



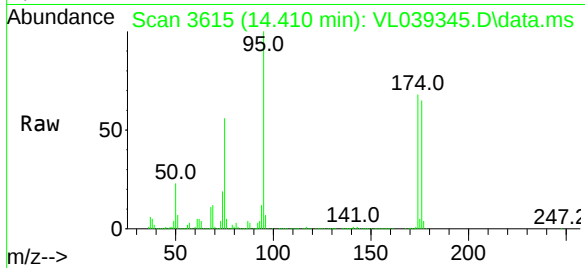
Tgt Ion: 91 Resp: 59585
Ion Ratio Lower Upper
91 100
106 48.8 22.3 66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 8.958 ppbv
RT: 14.410 min Scan# 3615
Delta R.T. -0.006 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41

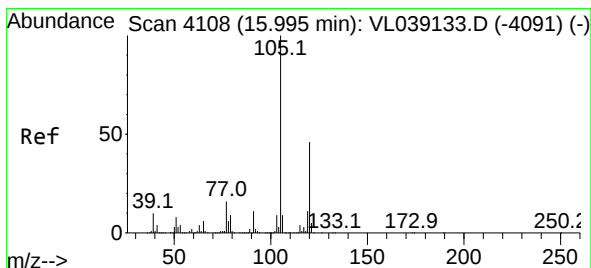
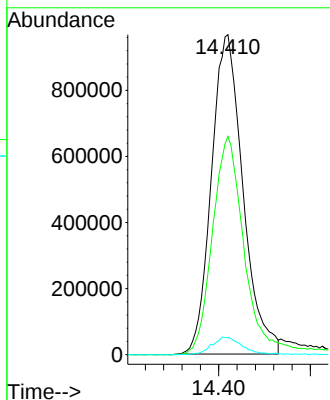
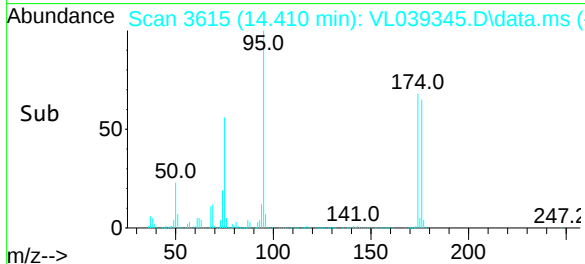
Instrument :
MSVOA_L
ClientSampleId :
SV-3-20220622



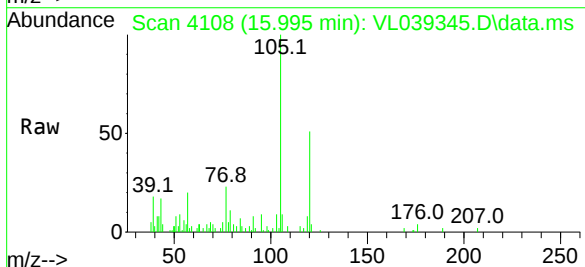
Tgt Ion: 95 Resp: 230710
Ion Ratio Lower Upper
95 100
174 72.0 53.8 80.8
175 5.6 4.1 6.1

Manual Integrations
APPROVED

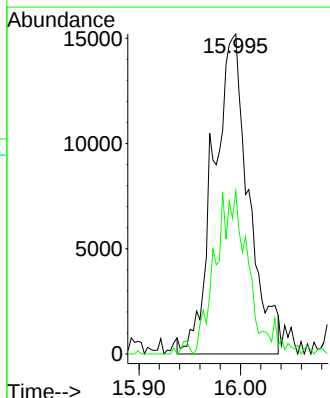
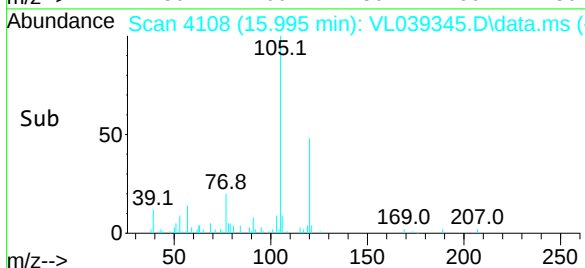
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

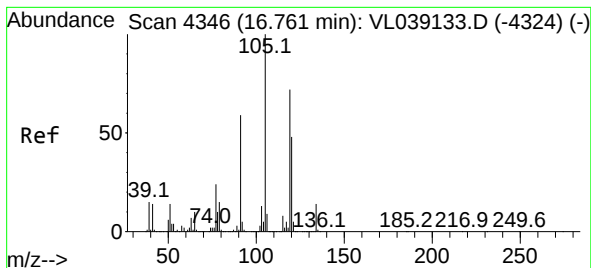


#73
1,3,5-Trimethylbenzene
Concen: 0.097 ppbv m
RT: 15.995 min Scan# 4108
Delta R.T. 0.000 min
Lab File: VL039345.D
Acq: 24 Jun 2022 17:41



Tgt Ion:105 Resp: 36362
Ion Ratio Lower Upper
105 100
120 50.8 36.7 55.1





#74

1,2,4-Trimethylbenzene

Concen: 0.240 ppbv

RT: 16.754 min Scan# 41

Delta R.T. -0.006 min

Lab File: VL039345.D

Acq: 24 Jun 2022 17:41

Instrument :

MSVOA_L

ClientSampleId :

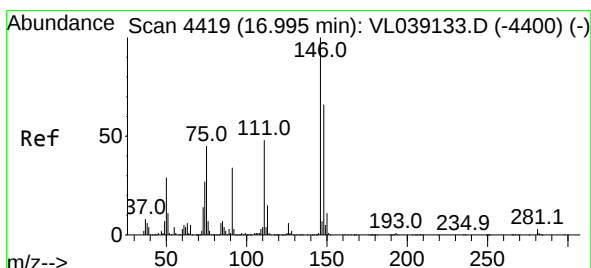
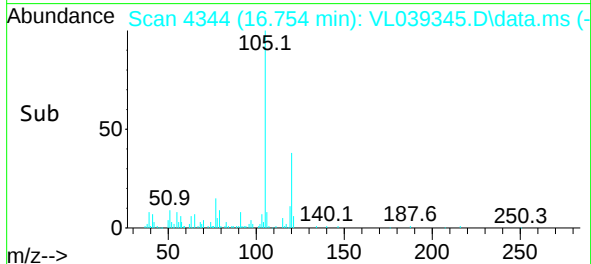
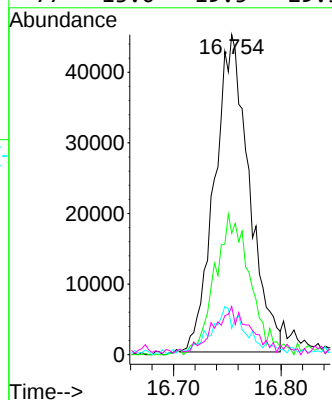
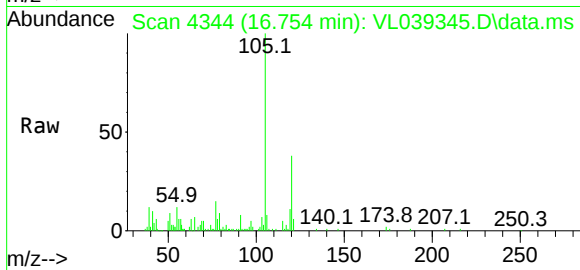
SV-3-20220622

Tgt Ion:105	Resp: 10036
Ion Ratio	Lower Upper
105 100	
120 36.5	38.1 57.1
91 6.7	47.4 71.0
77 13.0	19.5 29.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#75

1,3-Dichlorobenzene

Concen: 0.105 ppbv m

RT: 16.998 min Scan# 4420

Delta R.T. 0.003 min

Lab File: VL039345.D

Acq: 24 Jun 2022 17:41

Tgt Ion:146	Resp: 24997
Ion Ratio	Lower Upper
146 100	
111 166.5	23.8 71.4
148 104.8	32.4 97.0

