

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
 Data File : VL039496.D
 Acq On : 20 Jul 2022 00:57
 Operator : SY/AP
 Sample : N3750-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022

Quant Time: Jul 20 05:42:47 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul 6 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	5.677	49	1124800	10.000	ppbv	0.03
33) 1,4-Difluorobenzene	7.188	114	3117000	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.098	117	2769563	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.429	95	2081612	10.131	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.300%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.057	85	53968	0.333	ppbv	93
3) Chlorodifluoromethane	2.996	51	46013m	0.322	ppbv	
4) Chloromethane	3.150	50	40701m	0.521	ppbv	
9) Propene	3.025	41	32040	0.497	ppbv	96
11) Trichlorofluoromethane	3.957	101	35009	0.194	ppbv	97
13) Ethanol	3.610	45	296035	79.176	ppbv	74
15) Acetone	3.857	43	909354	6.834	ppbv	95
19) Isopropyl Alcohol	3.976	45	69367	0.977	ppbv #	1
20) Methylene Chloride	4.356	84	727138	13.709	ppbv	97
26) Hexane	5.697	57	551968	5.018	ppbv #	39
34) 2-Butanone	5.259	43	76831m	0.490	ppbv	
35) Carbon Tetrachloride	7.037	117	11013m	0.057	ppbv	
36) Benzene	6.902	78	25504	0.106	ppbv #	86
53) Toluene	9.815	91	85421m	0.307	ppbv	
59) m/p-Xylene	12.979	91	60555m	0.192	ppbv	
60) o-Xylene	13.709	91	30677m	0.103	ppbv	
74) 1,2,4-Trimethylbenzene	16.780	105	55815m	0.157	ppbv	
79) Naphthalene	22.214	128	202261	0.824	ppbv	95

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

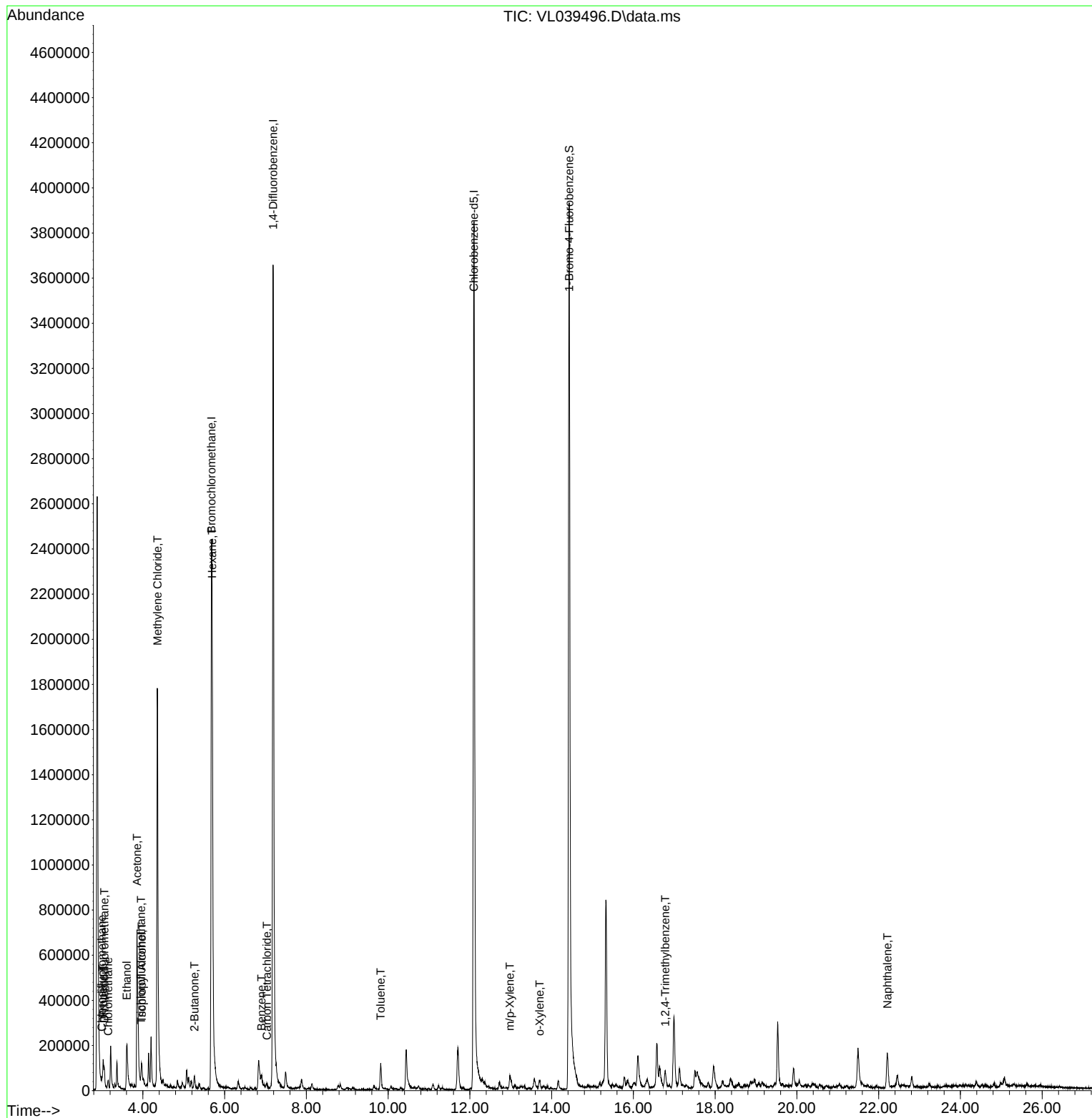
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
Data File : VL039496.D
Acq On : 20 Jul 2022 00:57
Operator : SY/AP
Sample : N3750-06
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

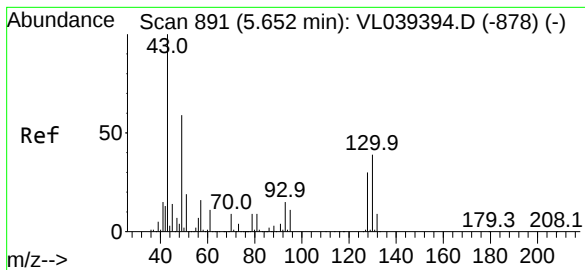
Instrument :
MSVOA_L
ClientSampleId :
IA-2

Quant Time: Jul 20 05:42:47 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jul
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

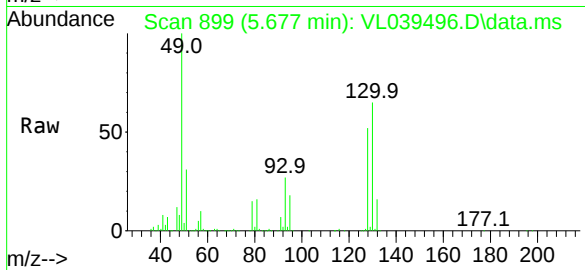
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.677 min Scan# 84
Delta R.T. 0.026 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57

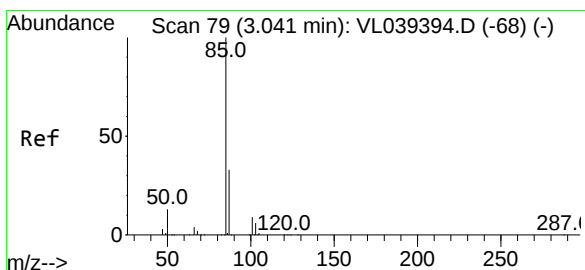
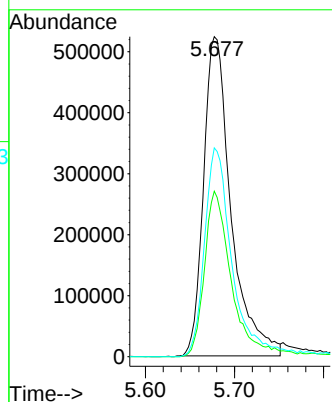
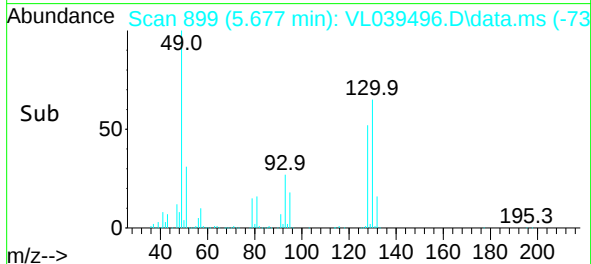
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 49 Resp: 1124800
Ion Ratio Lower Upper
49 100
128 53.1 26.7 80.0
130 68.0 34.3 102.8

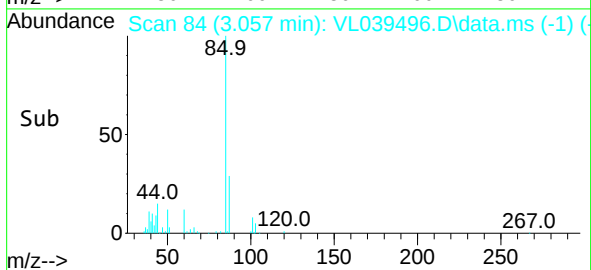
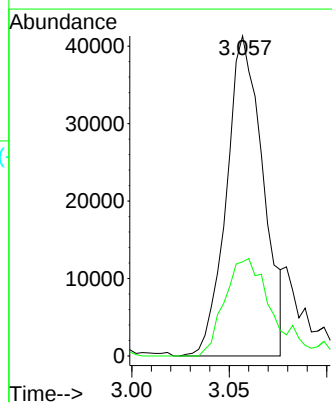
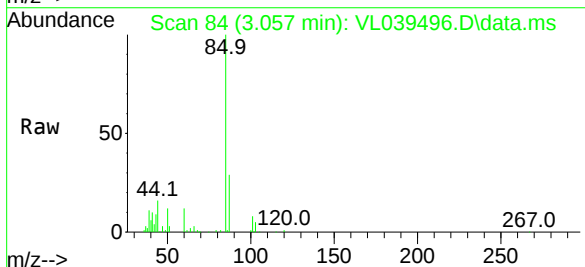
Manual Integrations
APPROVED

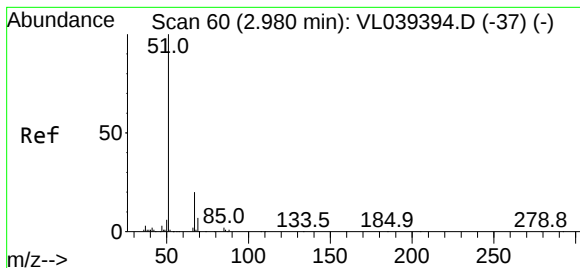
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#2
Dichlorodifluoromethane
Concen: 0.333 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.016 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57

Tgt Ion: 85 Resp: 53968
Ion Ratio Lower Upper
85 100
87 29.4 26.7 40.1





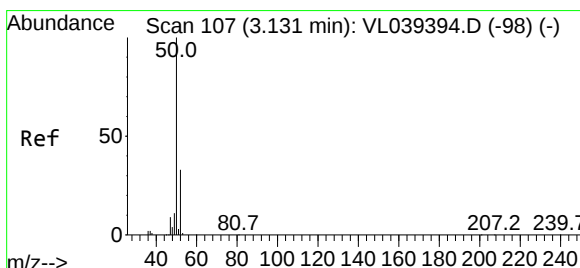
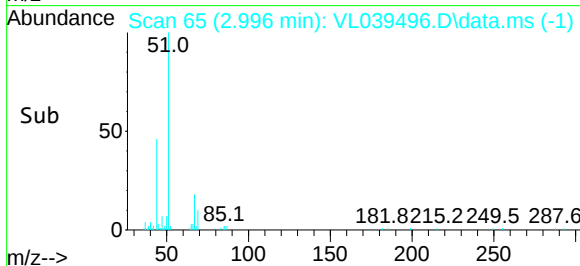
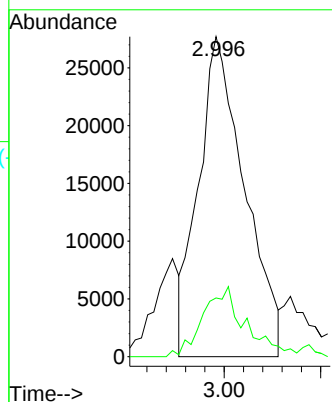
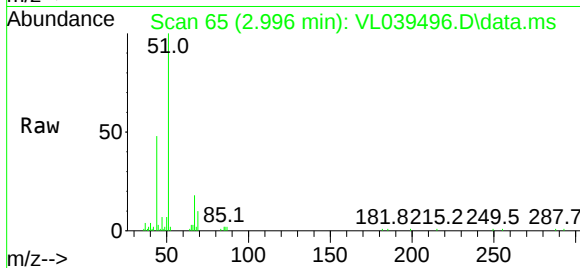
#3
Chlorodifluoromethane
Concen: 0.322 ppbv m
RT: 2.996 min Scan# 61
Delta R.T. 0.016 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 51 Resp: 4601
Ion Ratio Lower Upper
51 100
67 0.8 15.7 23.5

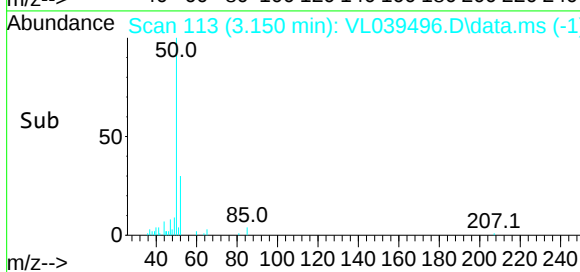
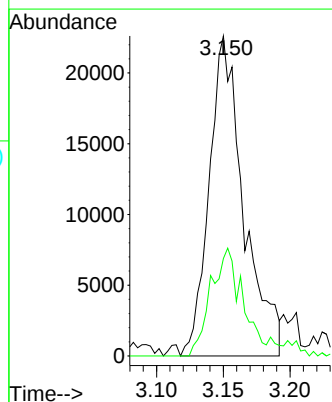
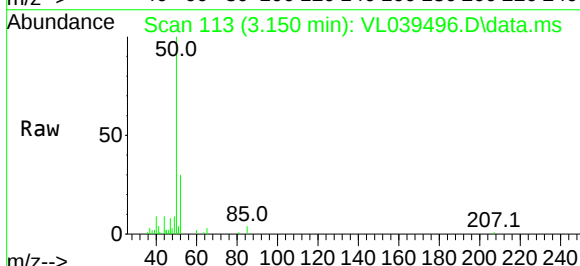
Manual Integrations
APPROVED

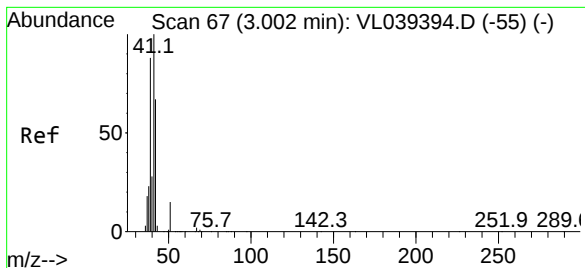
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#4
Chloromethane
Concen: 0.521 ppbv m
RT: 3.150 min Scan# 113
Delta R.T. 0.019 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57

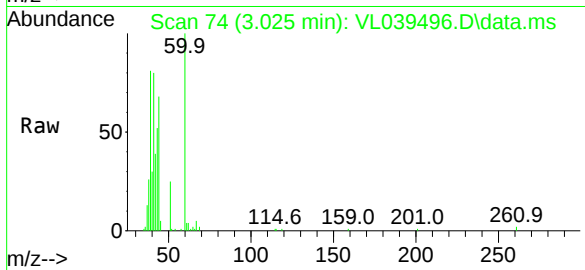
Tgt Ion: 50 Resp: 40701
Ion Ratio Lower Upper
50 100
52 30.5 26.5 39.7





#9
 Propene
 Concen: 0.497 ppbv
 RT: 3.025 min Scan# 74
 Delta R.T. 0.022 min
 Lab File: VL039496.D
 Acq: 20 Jul 2022 00:57

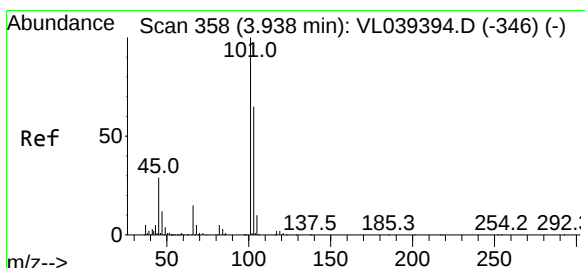
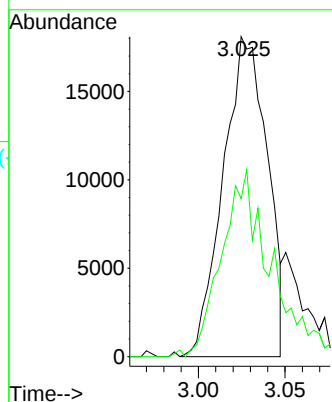
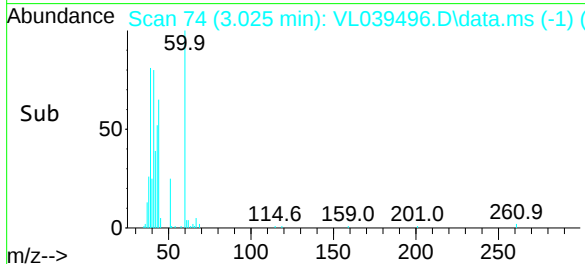
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2



Tgt Ion: 41 Resp: 32040
 Ion Ratio Lower Upper
 41 100
 42 66.0 55.2 82.8

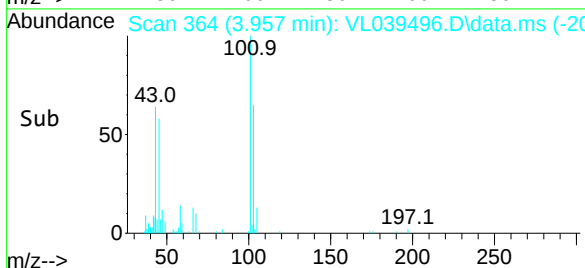
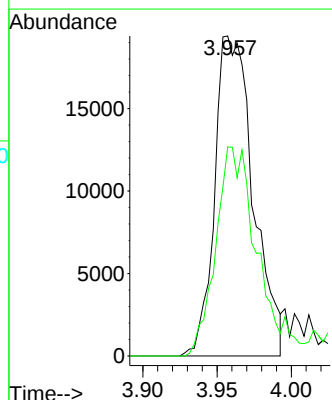
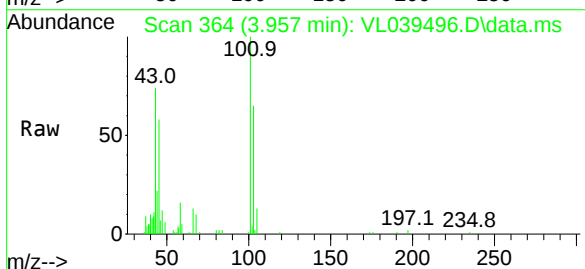
Manual Integrations
 APPROVED

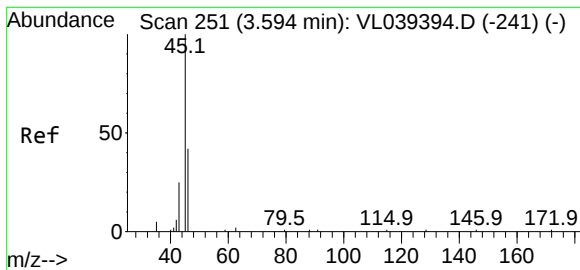
Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022



#11
 Trichlorofluoromethane
 Concen: 0.194 ppbv
 RT: 3.957 min Scan# 364
 Delta R.T. 0.019 min
 Lab File: VL039496.D
 Acq: 20 Jul 2022 00:57

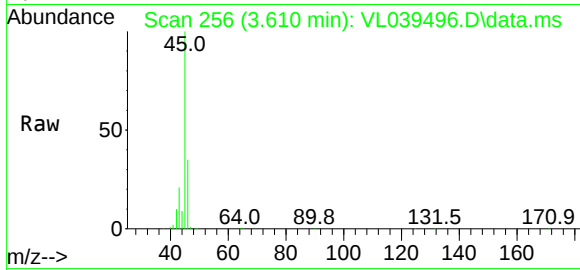
Tgt Ion:101 Resp: 35009
 Ion Ratio Lower Upper
 101 100
 103 67.3 51.8 77.8





#13
Ethanol
Concen: 79.176 ppbv
RT: 3.610 min Scan# 21
Delta R.T. 0.016 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57

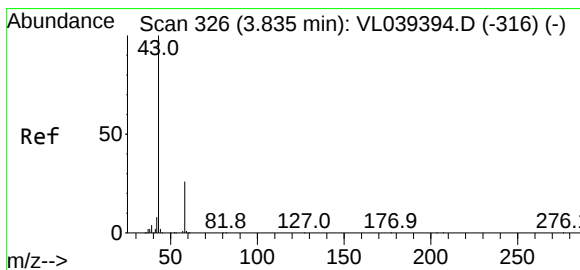
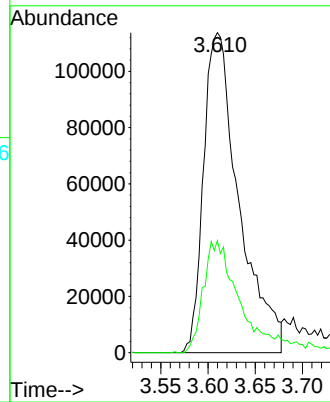
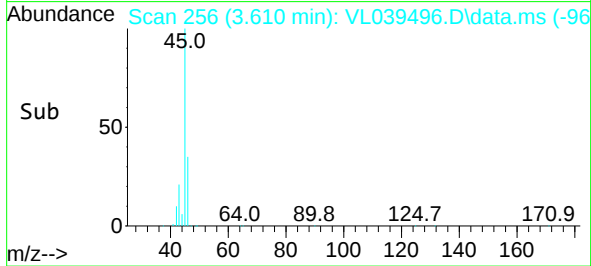
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 45 Resp: 296035
Ion Ratio Lower Upper
45 100
46 38.1 22.8 91.2

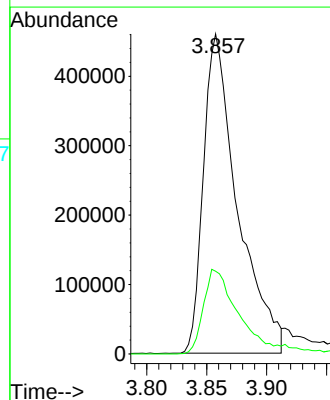
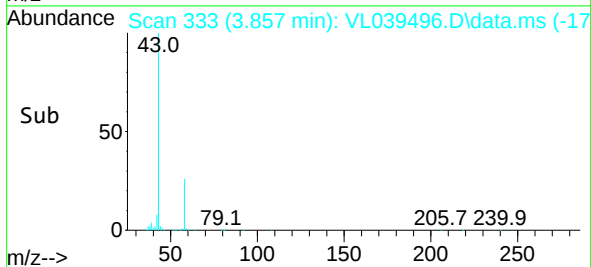
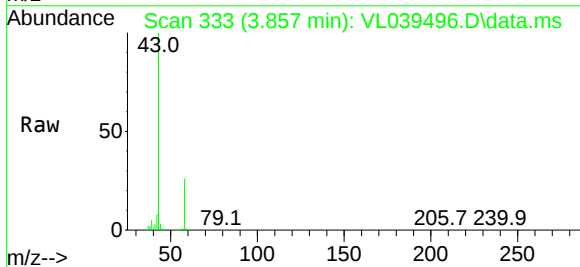
Manual Integrations
APPROVED

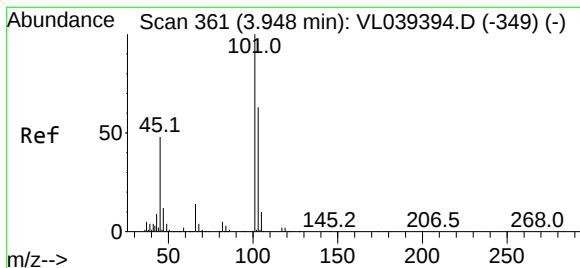
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#15
Acetone
Concen: 6.834 ppbv
RT: 3.857 min Scan# 333
Delta R.T. 0.022 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57

Tgt Ion: 43 Resp: 909354
Ion Ratio Lower Upper
43 100
58 28.8 21.0 31.6





#19

Isopropyl Alcohol

Concen: 0.977 ppbv

RT: 3.976 min Scan# 31

Delta R.T. 0.029 min

Lab File: VL039496.D

Acq: 20 Jul 2022 00:57

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion: 45 Resp: 6936

Ion Ratio Lower Upper

45 100

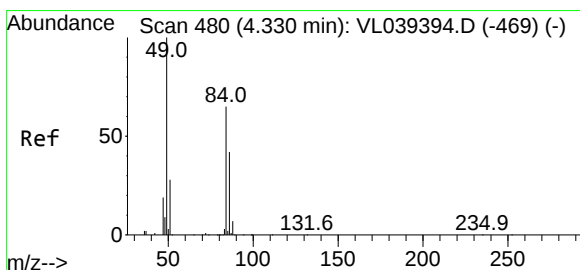
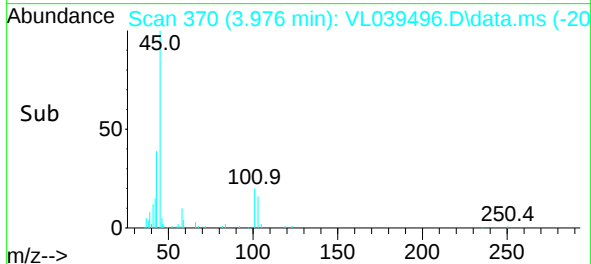
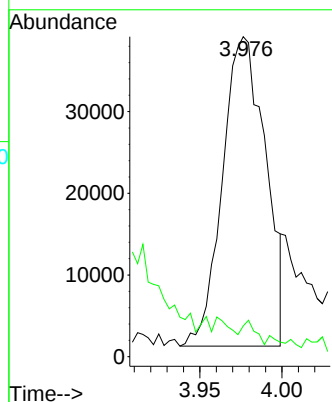
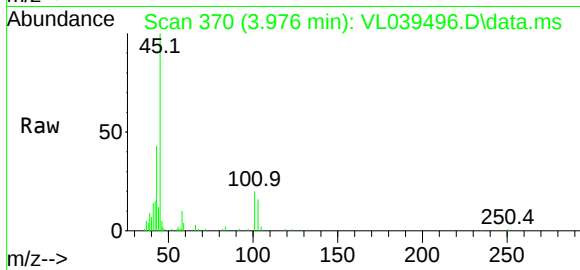
58 390.5 3.2 4.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022

Supervised By :Mahesh Dadoda 07/21/2022



#20

Methylene Chloride

Concen: 13.709 ppbv

RT: 4.356 min Scan# 488

Delta R.T. 0.026 min

Lab File: VL039496.D

Acq: 20 Jul 2022 00:57

Tgt Ion: 84 Resp: 727138

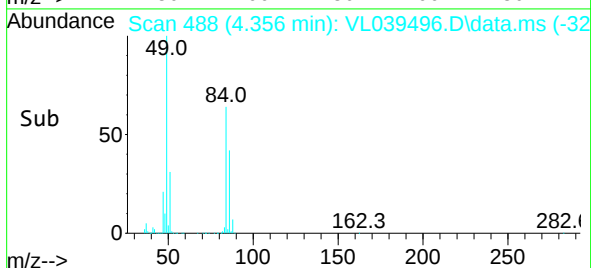
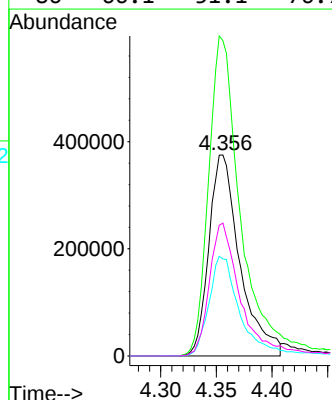
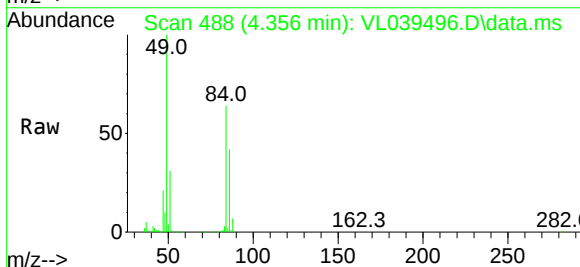
Ion Ratio Lower Upper

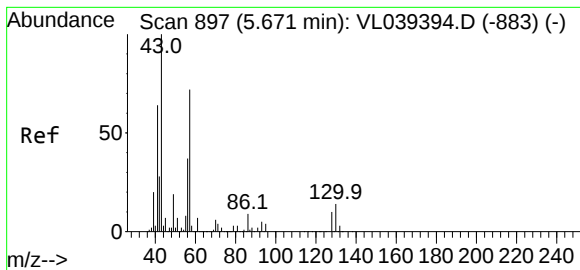
84 100

49 156.8 123.1 184.7

51 48.2 34.4 51.6

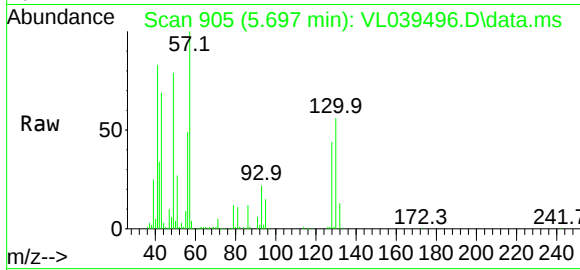
86 66.1 51.1 76.7





#26
Hexane
Concen: 5.018 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.026 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57

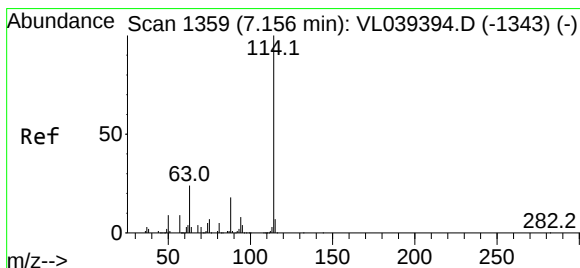
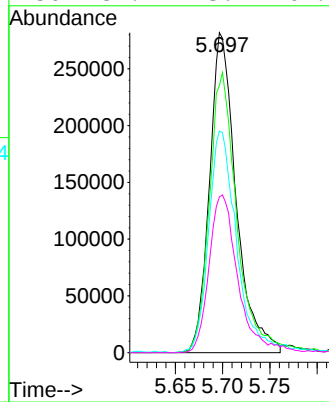
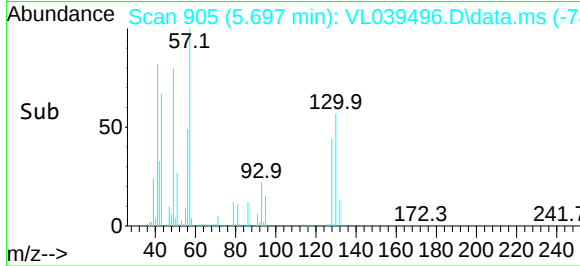
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 57 Resp: 551968
Ion Ratio Lower Upper
57 100
41 92.1 76.9 115.3
43 74.4 191.0 286.6
56 54.1 43.2 64.8

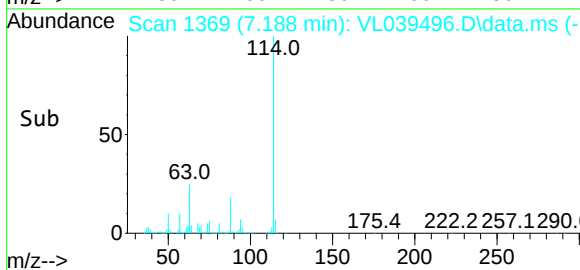
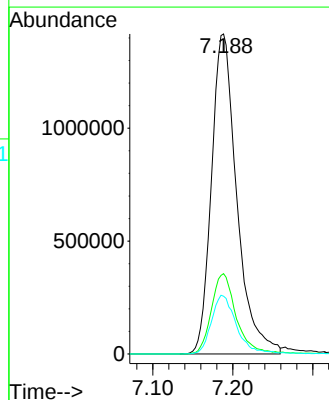
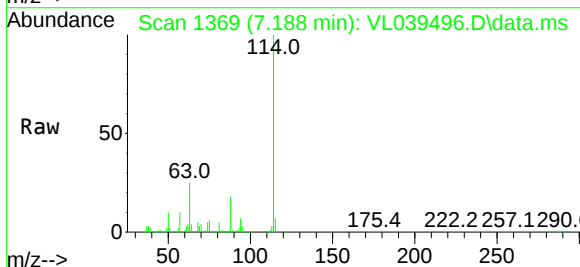
Manual Integrations
APPROVED

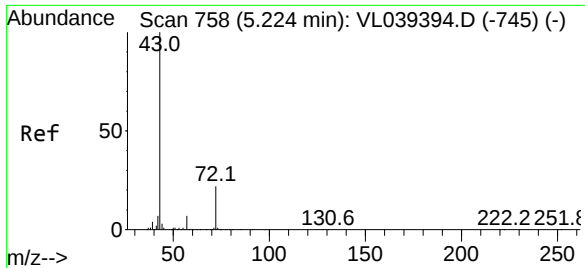
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.188 min Scan# 1369
Delta R.T. 0.032 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57

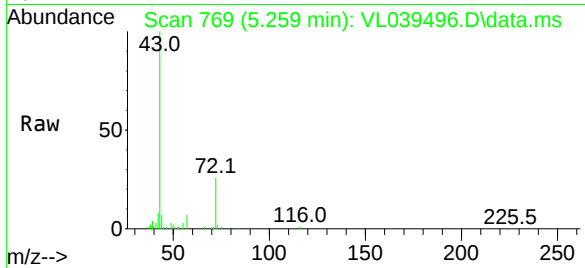
Tgt Ion:114 Resp: 3117000
Ion Ratio Lower Upper
114 100
63 25.1 20.2 30.4
88 18.4 14.5 21.7





#34
2-Butanone
Concen: 0.490 ppbv m
RT: 5.259 min Scan# 70
Delta R.T. 0.035 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57

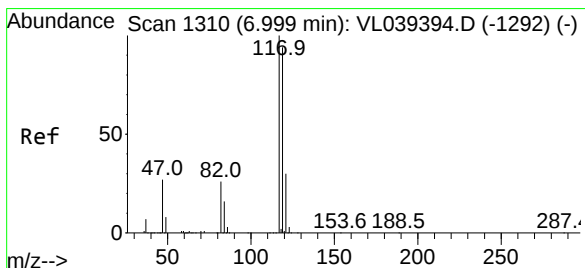
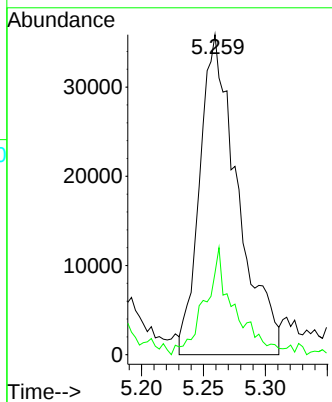
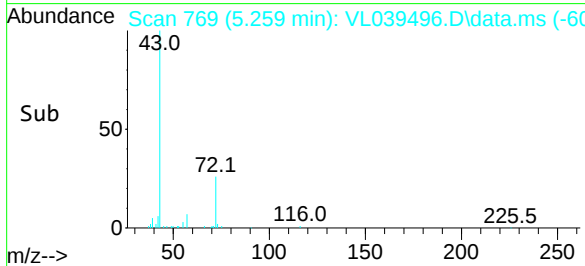
Instrument :
MSVOA_L
ClientSampleId :
IA-2



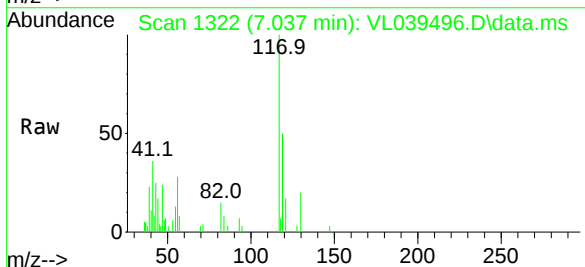
Tgt Ion: 43 Resp: 7683
Ion Ratio Lower Upper
43 100
72 26.6 17.9 26.9

Manual Integrations
APPROVED

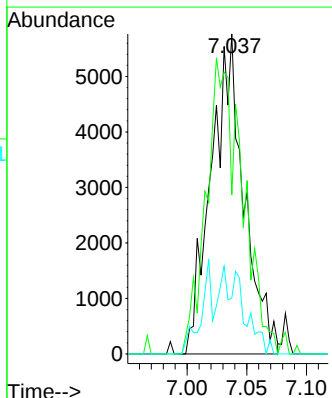
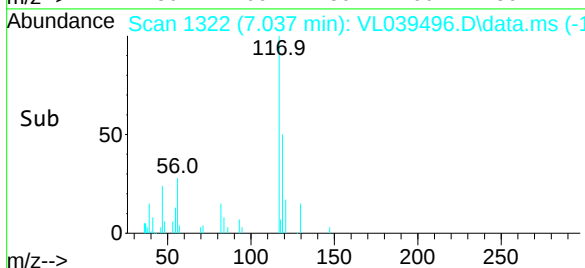
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

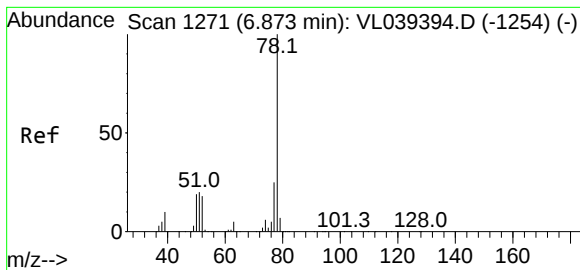


#35
Carbon Tetrachloride
Concen: 0.057 ppbv m
RT: 7.037 min Scan# 1322
Delta R.T. 0.038 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57



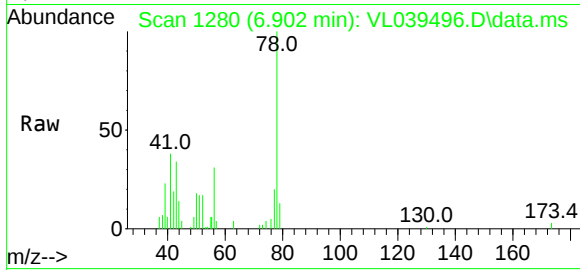
Tgt Ion:117 Resp: 11013
Ion Ratio Lower Upper
117 100
119 49.7 75.4 113.2#
121 17.5 24.2 36.2#





#36
Benzene
Concen: 0.106 ppbv
RT: 6.902 min Scan# 11
Delta R.T. 0.029 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57

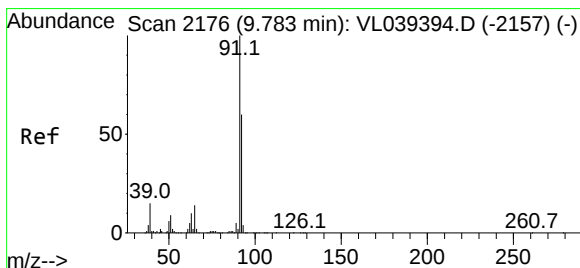
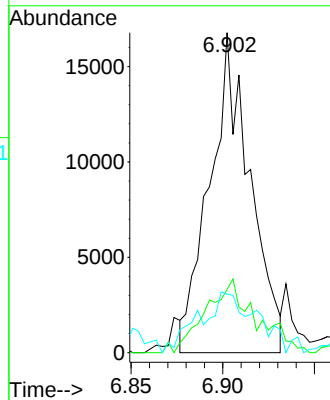
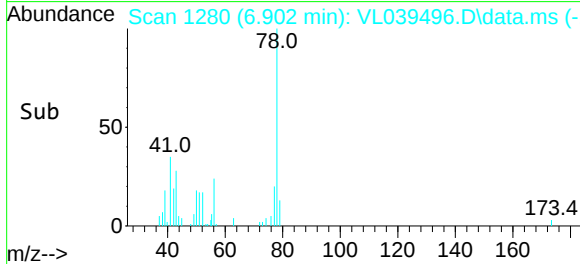
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 78 Resp: 25504
Ion Ratio Lower Upper
78 100
77 18.6 20.3 30.5
50 12.2 15.5 23.3

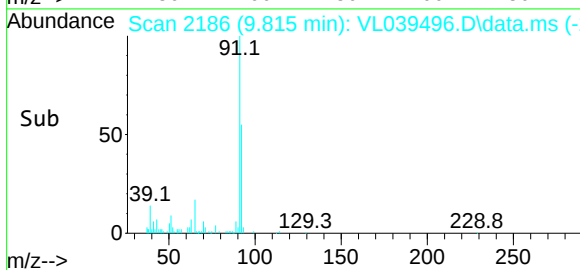
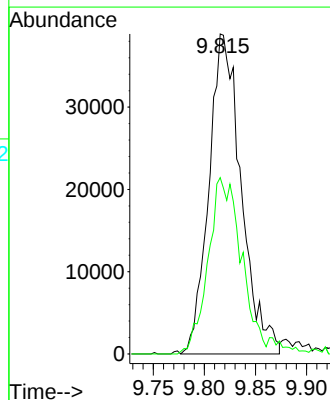
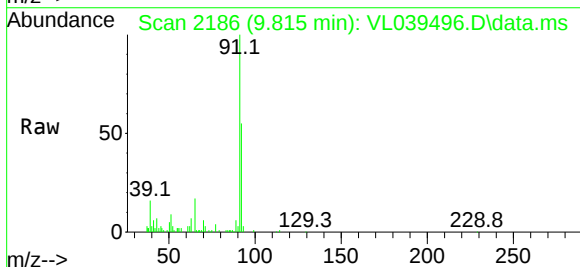
Manual Integrations
APPROVED

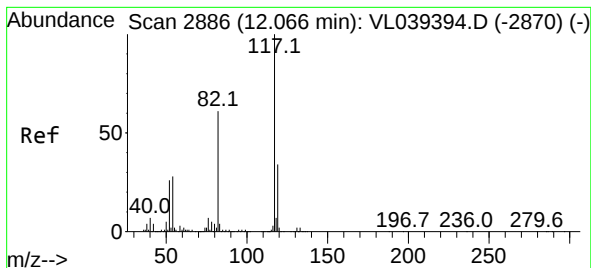
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#53
Toluene
Concen: 0.307 ppbv m
RT: 9.815 min Scan# 2186
Delta R.T. 0.032 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57

Tgt Ion: 91 Resp: 85421
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.098 min Scan# 21

Delta R.T. 0.032 min

Lab File: VL039496.D

Acq: 20 Jul 2022 00:57

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion:117 Resp: 276956

Ion Ratio Lower Upper

117 100

82 66.0 50.8 76.2

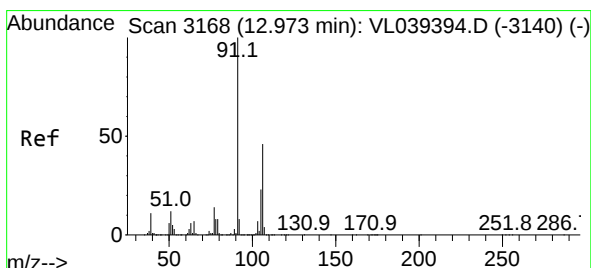
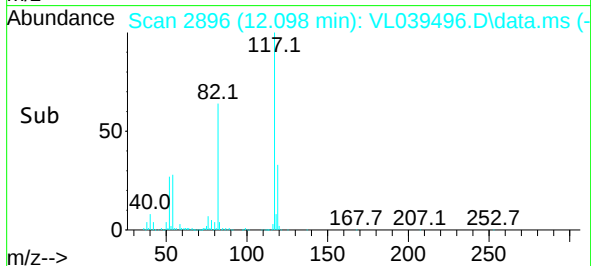
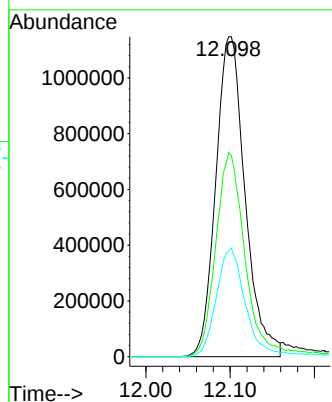
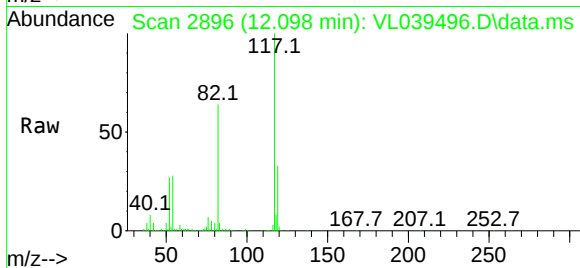
119 34.6 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022

Supervised By :Mahesh Dadoda 07/21/2022



#59

m/p-Xylene

Concen: 0.192 ppbv m

RT: 12.979 min Scan# 3170

Delta R.T. 0.006 min

Lab File: VL039496.D

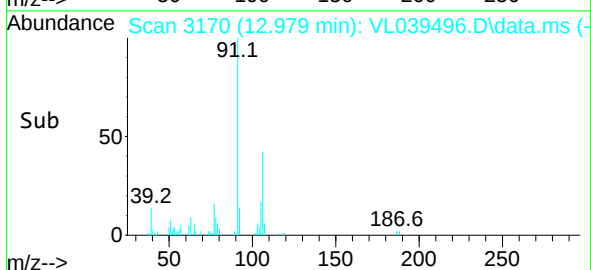
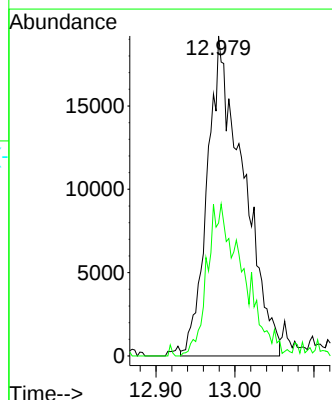
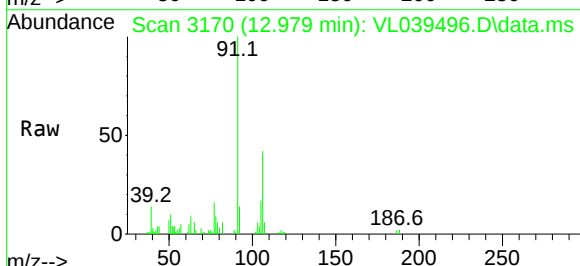
Acq: 20 Jul 2022 00:57

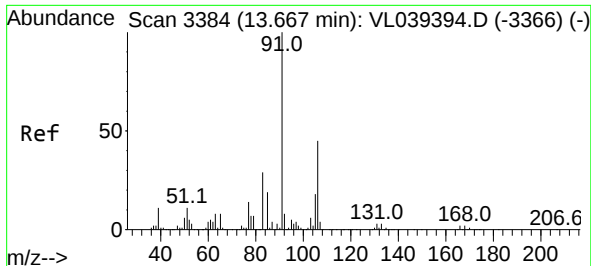
Tgt Ion: 91 Resp: 60555

Ion Ratio Lower Upper

91 100

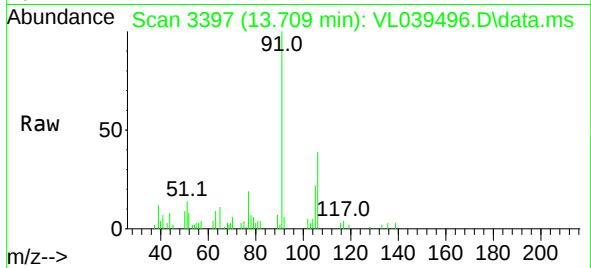
106 0.0 35.4 53.2#





#60
o-Xylene
Concen: 0.103 ppbv m
RT: 13.709 min Scan# 31
Delta R.T. 0.042 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57

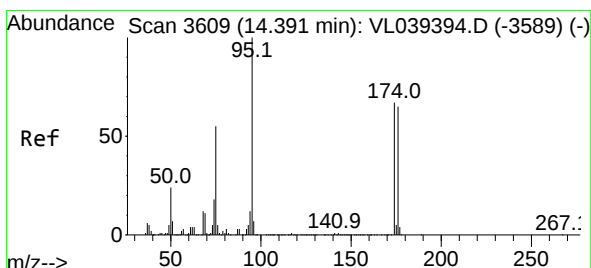
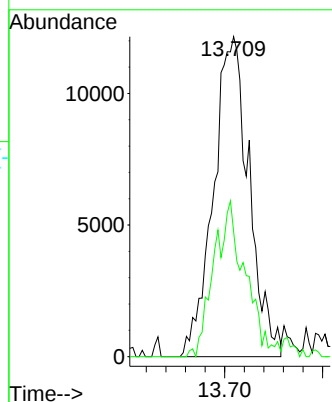
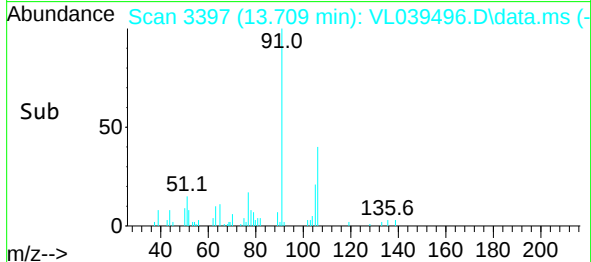
Instrument :
MSVOA_L
ClientSampleId :
IA-2



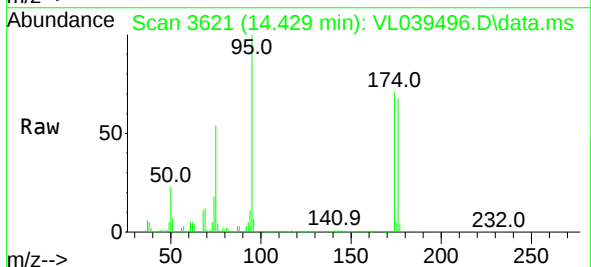
Tgt Ion: 91 Resp: 3067
Ion Ratio Lower Upper
91 100
106 45.3 22.4 67.3

Manual Integrations
APPROVED

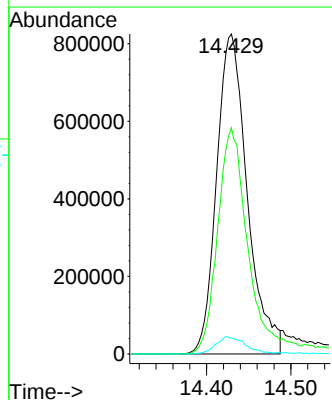
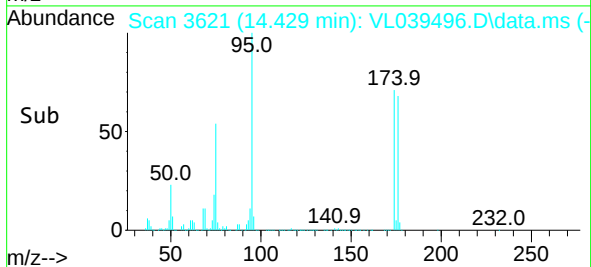
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

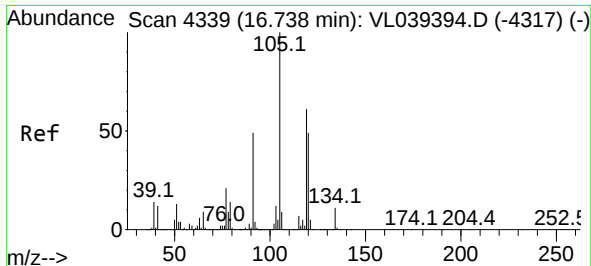


#68
1-Bromo-4-Fluorobenzene
Concen: 10.131 ppbv
RT: 14.429 min Scan# 3621
Delta R.T. 0.038 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57



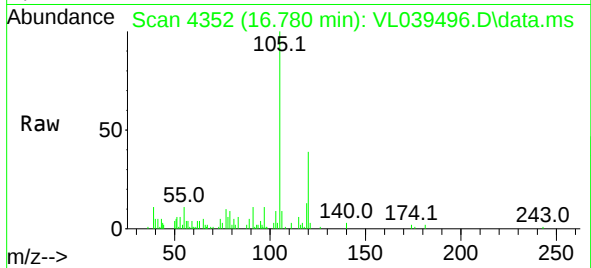
Tgt Ion: 95 Resp: 2081612
Ion Ratio Lower Upper
95 100
174 74.5 55.9 83.9
175 5.7 4.2 6.4





#74
1,2,4-Trimethylbenzene
Concen: 0.157 ppbv m
RT: 16.780 min Scan# 4339
Delta R.T. 0.042 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57

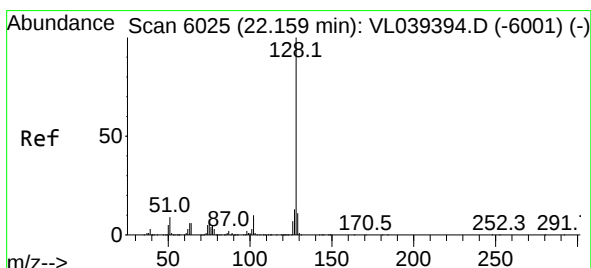
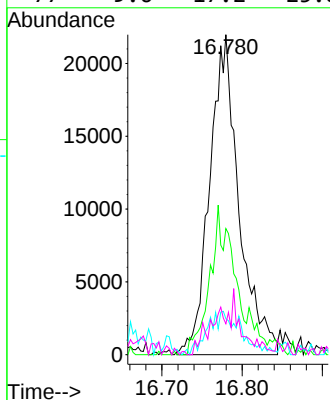
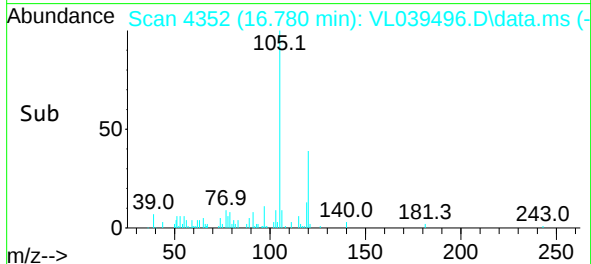
Instrument :
MSVOA_L
ClientSampleId :
IA-2



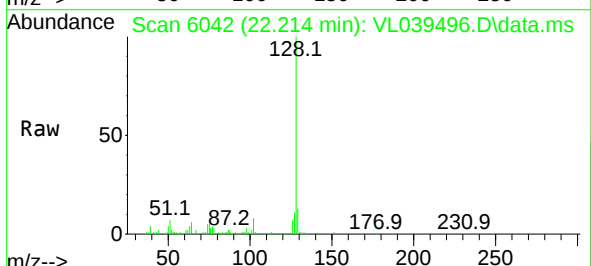
Tgt Ion:105 Resp: 5581
Ion Ratio Lower Upper
105 100
120 39.4 39.5 59.3
91 11.3 39.2 58.8
77 9.6 17.2 25.8

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#79
Naphthalene
Concen: 0.824 ppbv
RT: 22.214 min Scan# 6042
Delta R.T. 0.055 min
Lab File: VL039496.D
Acq: 20 Jul 2022 00:57



Tgt Ion:128 Resp: 202261
Ion Ratio Lower Upper
128 100
127 11.2 10.6 15.8
129 13.1 8.8 13.2

