

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
 Data File : VL039494.D
 Acq On : 19 Jul 2022 23:29
 Operator : SY/AP
 Sample : N3750-05DUP
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

Manual Integrations
 APPROVED

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

Quant Time: Jul 20 05:42:25 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	5.674	49	1199655	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.185	114	3307229	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.098	117	2959698	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.426	95	2196160	10.002	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	= 100.000%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.054	85	48751	0.282	ppbv	92
3) Chlorodifluoromethane	2.993	51	47780m	0.314	ppbv	
4) Chloromethane	3.153	50	47145m	0.566	ppbv	
9) Propene	3.025	41	47869	0.696	ppbv #	82
11) Trichlorofluoromethane	3.960	101	32463	0.168	ppbv	100
13) Ethanol	3.603	45	311432	78.097	ppbv	74
15) Acetone	3.854	43	1263280	8.901	ppbv	95
19) Isopropyl Alcohol	3.973	45	120185m	1.588	ppbv	
20) Methylene Chloride	4.353	84	773137	13.667	ppbv	97
26) Hexane	5.697	57	676589	5.768	ppbv #	39
29) Chloroform	5.761	83	25290	0.124	ppbv	91
34) 2-Butanone	5.256	43	114598	0.688	ppbv #	89
35) Carbon Tetrachloride	7.028	117	10172m	0.050	ppbv	
36) Benzene	6.906	78	31831m	0.124	ppbv	
53) Toluene	9.822	91	180781	0.612	ppbv	98
59) m/p-Xylene	12.982	91	105791m	0.314	ppbv	
74) 1,2,4-Trimethylbenzene	16.773	105	101911	0.267	ppbv #	64
79) Naphthalene	22.207	128	141694m	0.540	ppbv	

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

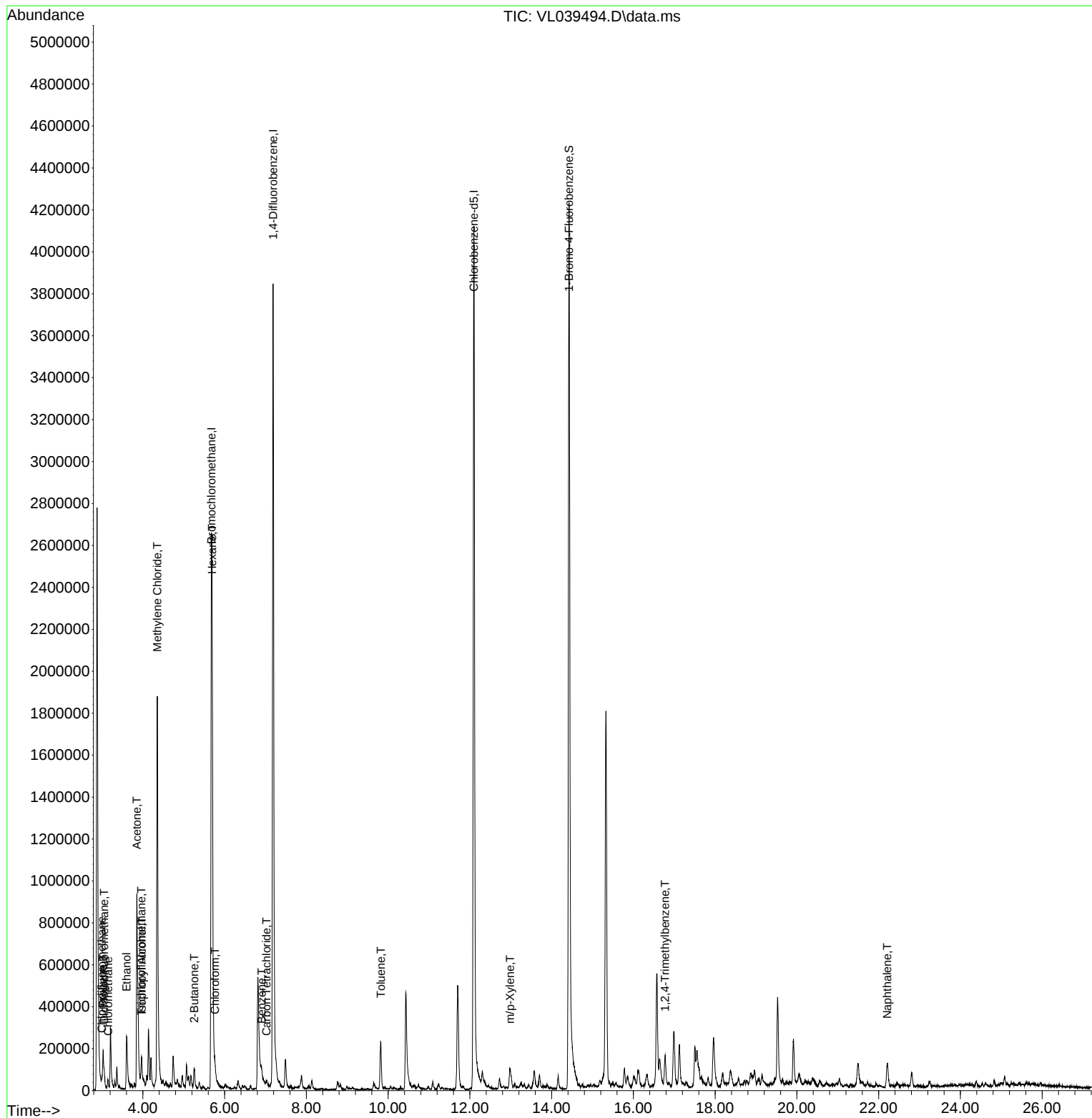
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
Data File : VL039494.D
Acq On : 19 Jul 2022 23:29
Operator : SY/AP
Sample : N3750-05DUP
Misc : 400mL/MSVOA_L
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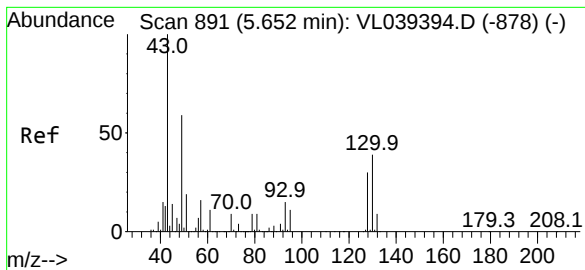
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Quant Time: Jul 20 05:42:25 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





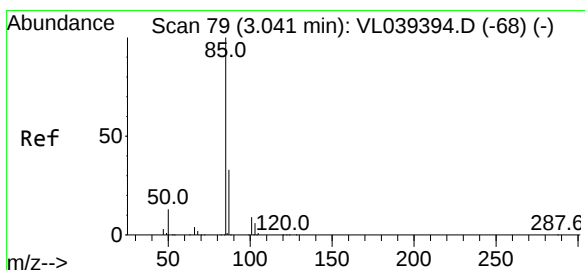
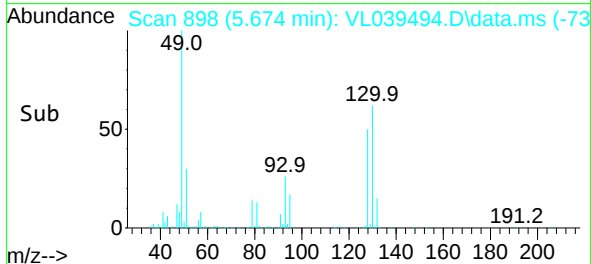
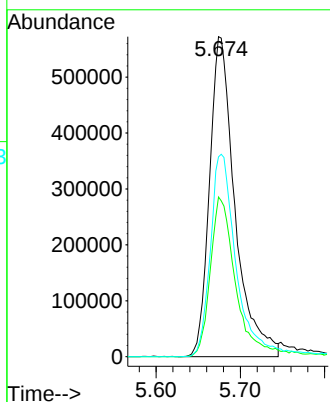
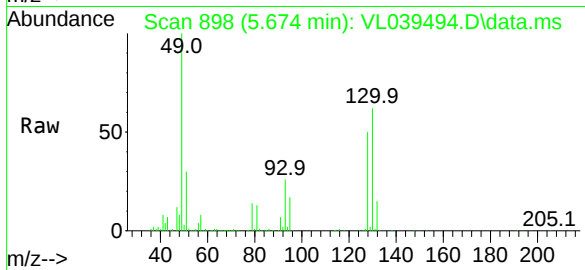
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.674 min Scan# 891
 Delta R.T. 0.022 min
 Lab File: VL039494.D
 Acq: 19 Jul 2022 23:29

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP

Tgt Ion: 49 Resp: 119965
 Ion Ratio Lower Upper
 49 100
 128 51.7 26.7 80.0
 130 67.0 34.3 102.8

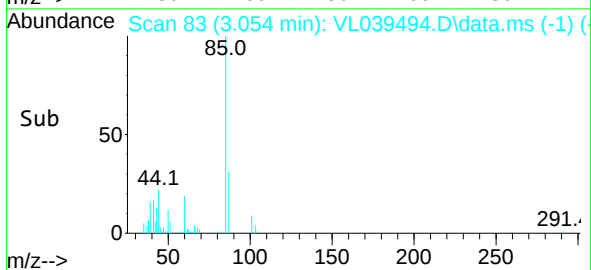
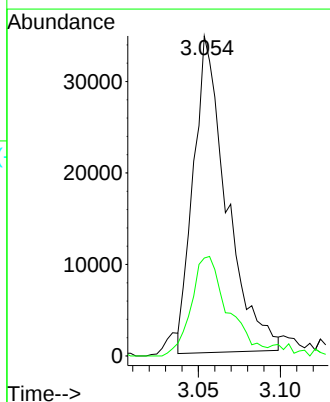
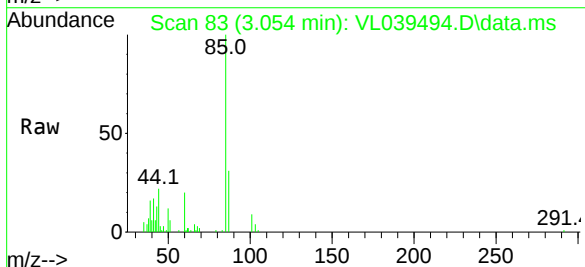
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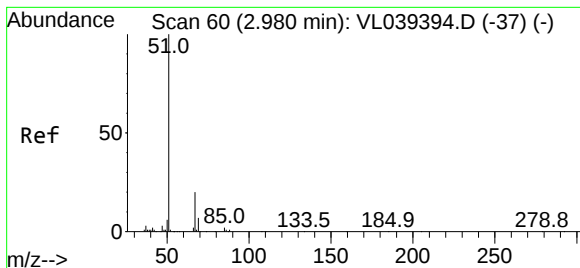
Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022



#2
 Dichlorodifluoromethane
 Concen: 0.282 ppbv
 RT: 3.054 min Scan# 83
 Delta R.T. 0.013 min
 Lab File: VL039494.D
 Acq: 19 Jul 2022 23:29

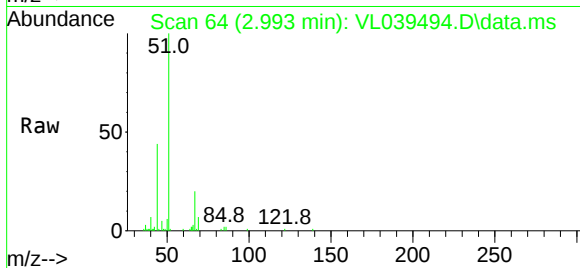
Tgt Ion: 85 Resp: 48751
 Ion Ratio Lower Upper
 85 100
 87 28.7 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.314 ppbv m
RT: 2.993 min Scan# 64
Delta R.T. 0.013 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29

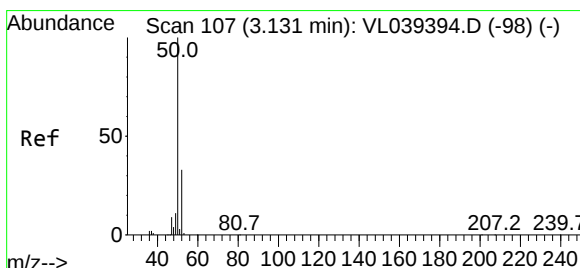
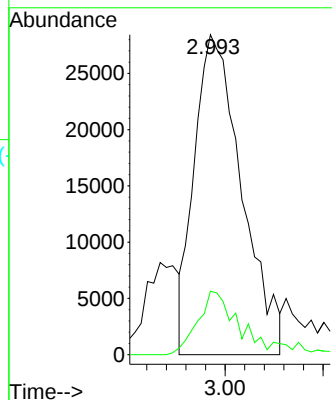
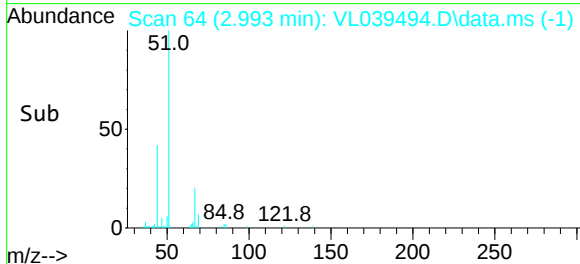
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



Tgt Ion: 51 Resp: 47780
Ion Ratio Lower Upper
51 100
67 19.6 15.7 23.5

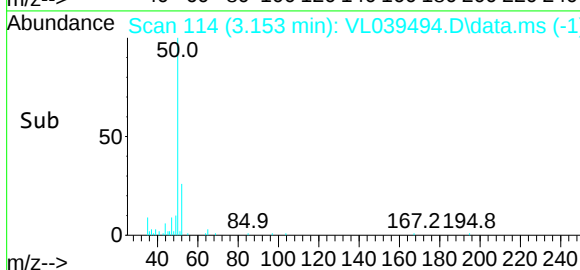
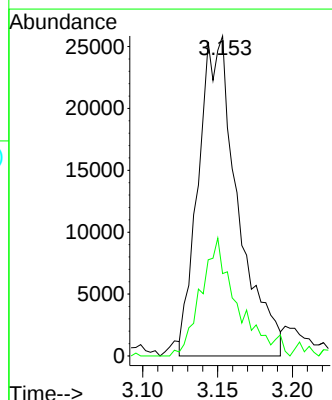
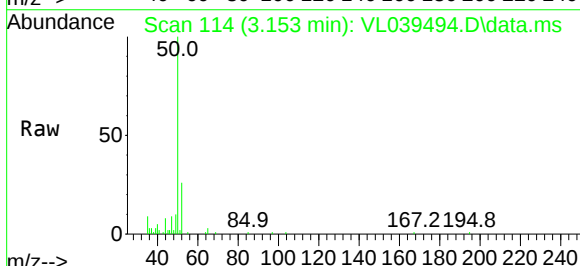
Manual Integrations
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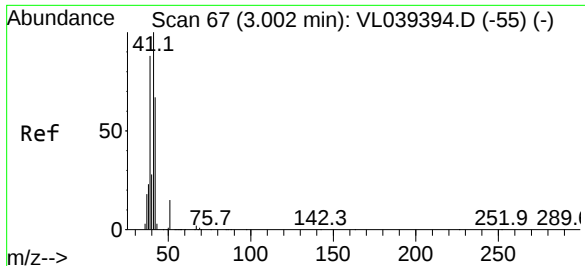
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#4
Chloromethane
Concen: 0.566 ppbv m
RT: 3.153 min Scan# 114
Delta R.T. 0.022 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29

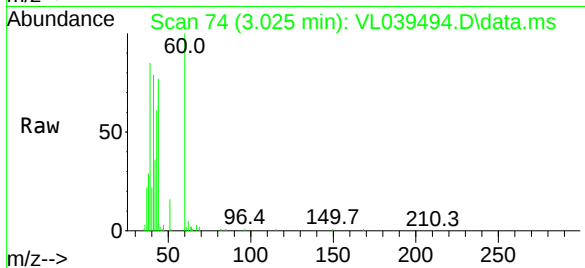
Tgt Ion: 50 Resp: 47145
Ion Ratio Lower Upper
50 100
52 25.8 26.5 39.7#





#9
 Propene
 Concen: 0.696 ppbv
 RT: 3.025 min Scan# 74
 Delta R.T. 0.022 min
 Lab File: VL039494.D
 Acq: 19 Jul 2022 23:29

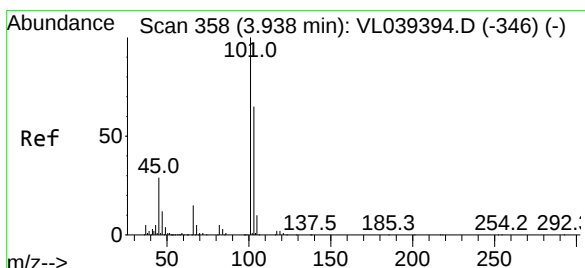
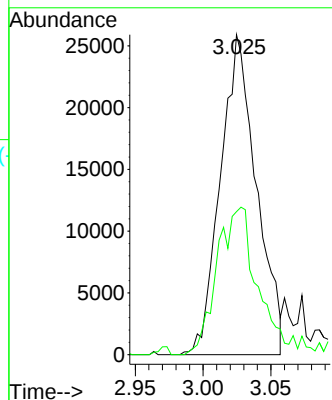
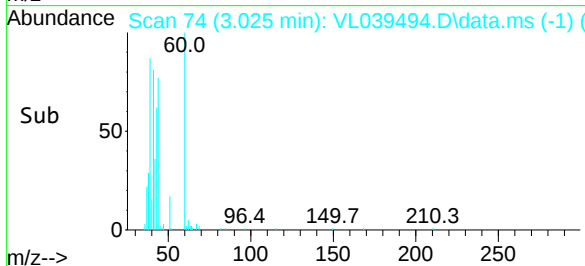
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DUP



Tgt Ion: 41 Resp: 47869
 Ion Ratio Lower Upper
 41 100
 42 54.2 55.2 82.8

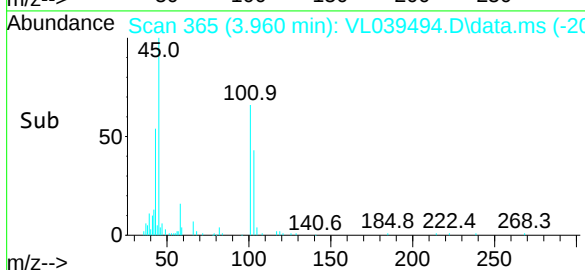
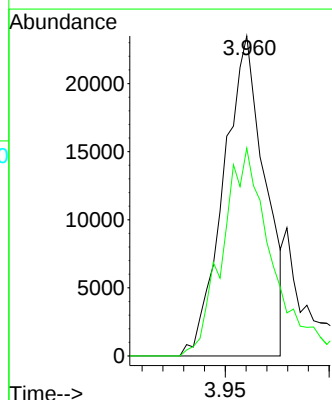
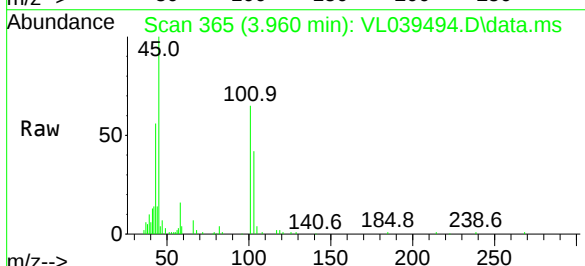
Manual Integrations
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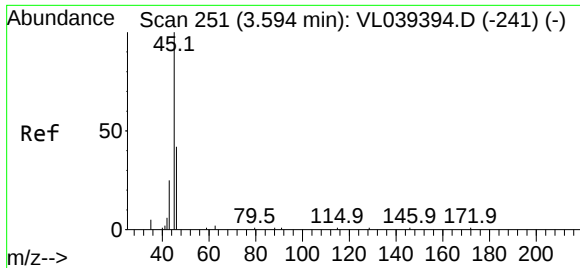
Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022



#11
 Trichlorofluoromethane
 Concen: 0.168 ppbv
 RT: 3.960 min Scan# 365
 Delta R.T. 0.022 min
 Lab File: VL039494.D
 Acq: 19 Jul 2022 23:29

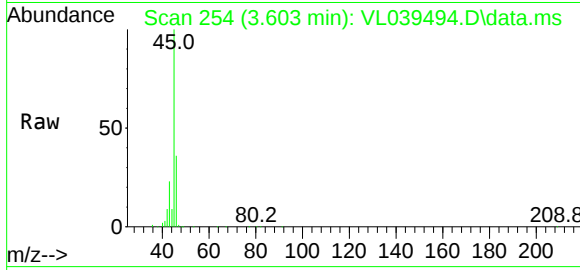
Tgt Ion:101 Resp: 32463
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.8 77.8





#13
Ethanol
Concen: 78.097 ppbv
RT: 3.603 min Scan# 214
Delta R.T. 0.010 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29

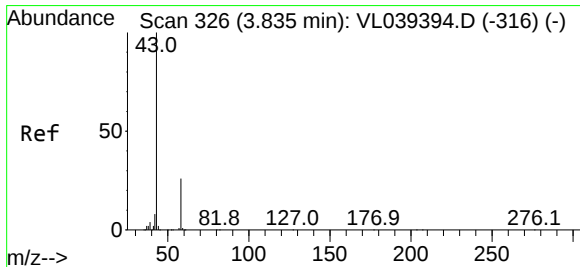
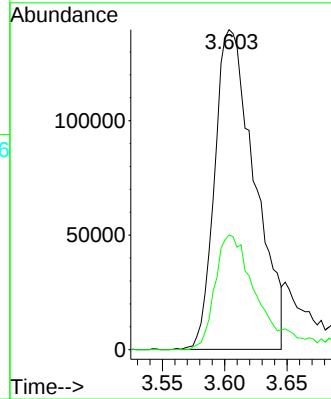
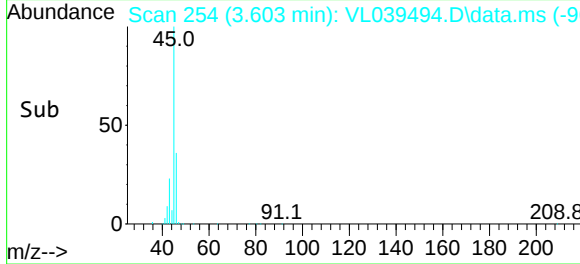
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



Tgt Ion: 45 Resp: 311432
Ion Ratio Lower Upper
45 100
46 38.0 22.8 91.2

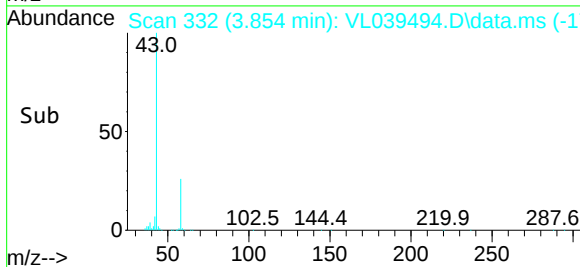
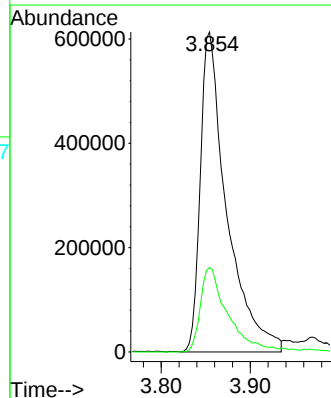
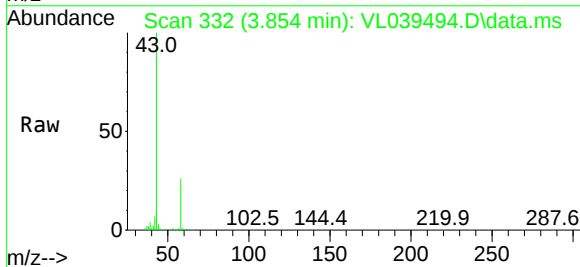
Manual Integrations
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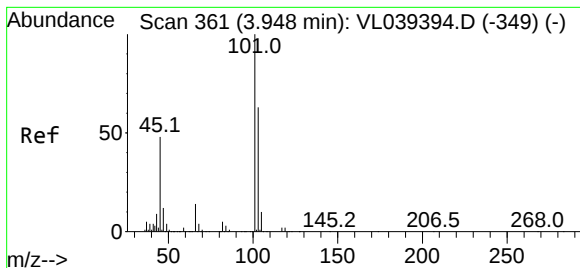
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#15
Acetone
Concen: 8.901 ppbv
RT: 3.854 min Scan# 332
Delta R.T. 0.019 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29

Tgt Ion: 43 Resp: 1263280
Ion Ratio Lower Upper
43 100
58 28.6 21.0 31.6





#19

Isopropyl Alcohol

Concen: 1.588 ppbv m

RT: 3.973 min Scan# 30

Delta R.T. 0.026 min

Lab File: VL039494.D

Acq: 19 Jul 2022 23:29

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

Tgt Ion: 45 Resp: 12018

Ion Ratio Lower Upper

45 100

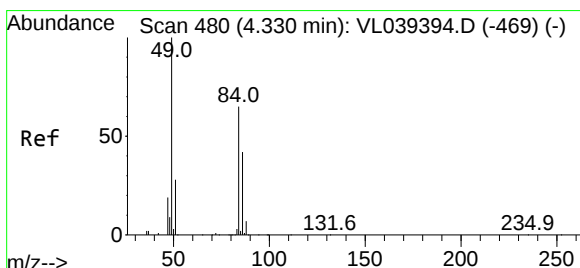
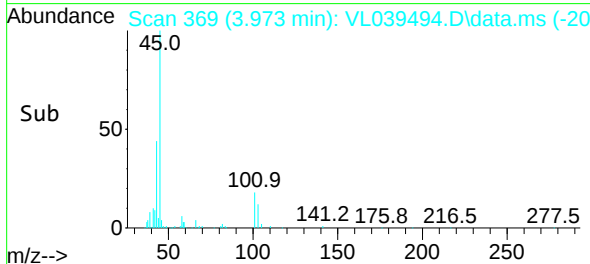
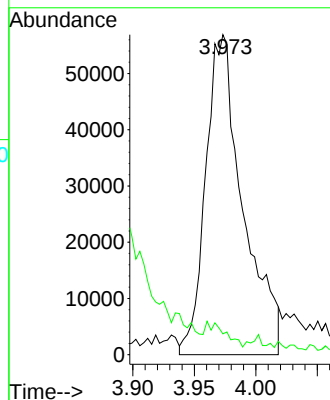
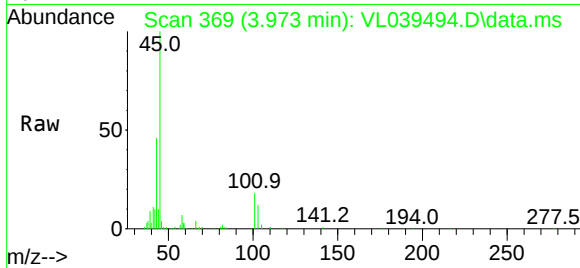
58 0.0 3.2 4.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022

Supervised By :Mahesh Dadoda 07/21/2022



#20

Methylene Chloride

Concen: 13.667 ppbv

RT: 4.353 min Scan# 487

Delta R.T. 0.022 min

Lab File: VL039494.D

Acq: 19 Jul 2022 23:29

Tgt Ion: 84 Resp: 773137

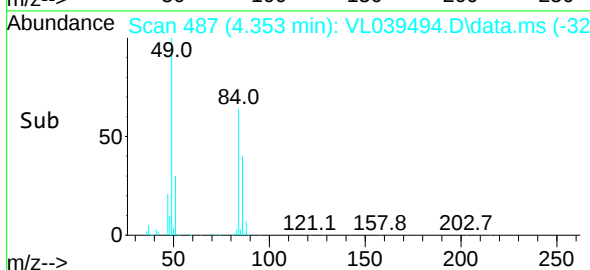
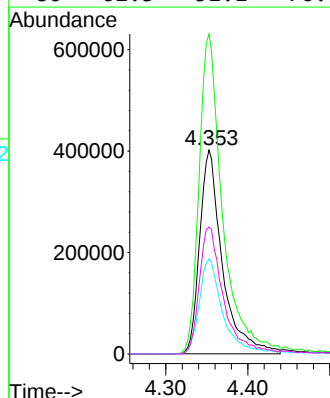
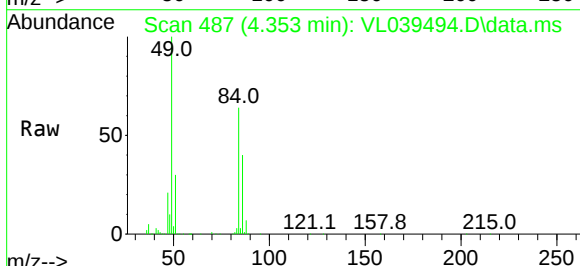
Ion Ratio Lower Upper

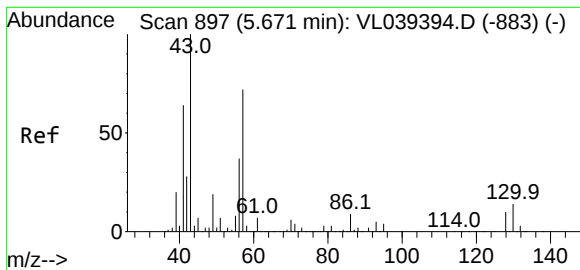
84 100

49 156.9 123.1 184.7

51 46.4 34.4 51.6

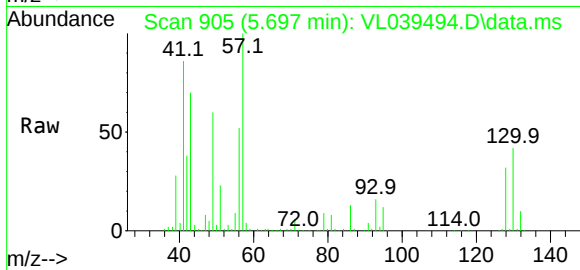
86 62.3 51.1 76.7





#26
Hexane
Concen: 5.768 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.026 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29

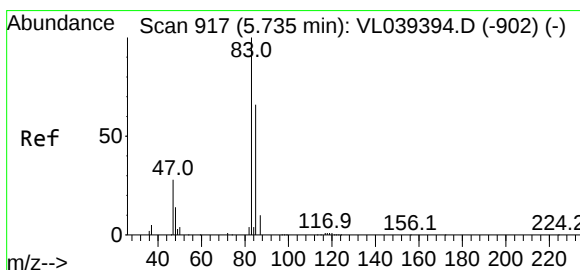
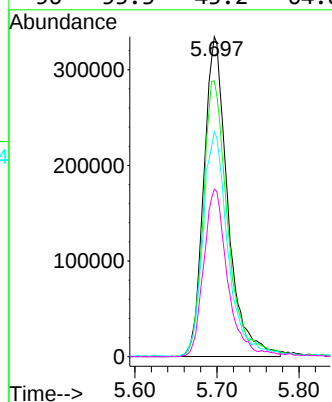
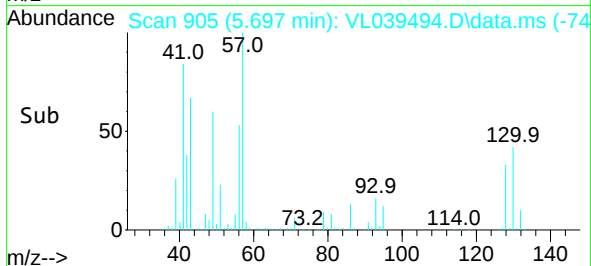
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



Tgt Ion: 57 Resp: 676589
Ion Ratio Lower Upper
57 100
41 88.2 76.9 115.3
43 75.5 191.0 286.6
56 53.3 43.2 64.8

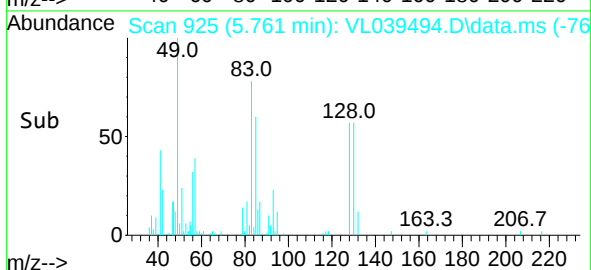
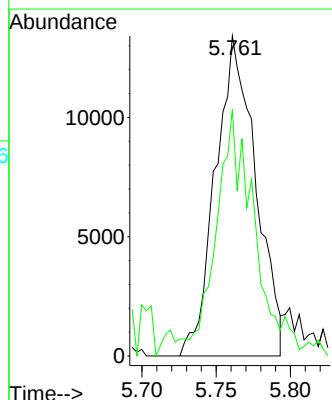
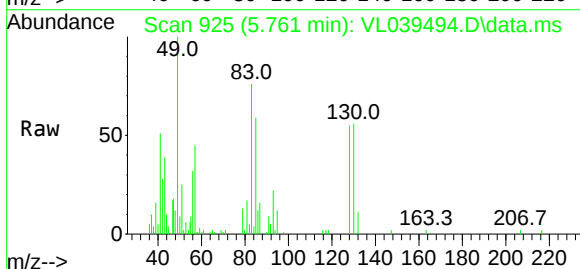
Manual Integrations
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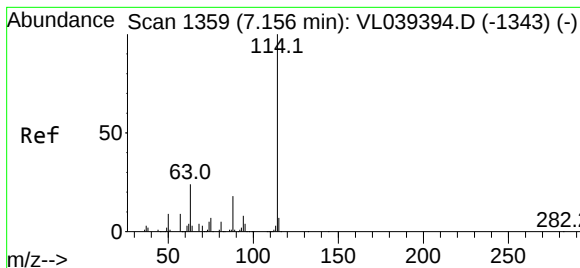
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#29
Chloroform
Concen: 0.124 ppbv
RT: 5.761 min Scan# 925
Delta R.T. 0.026 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29

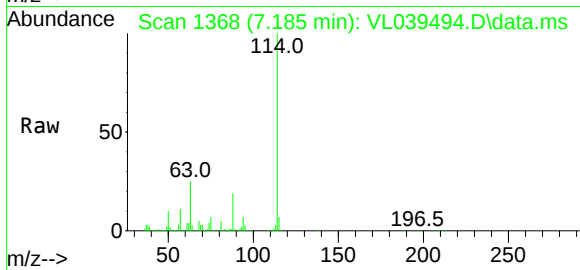
Tgt Ion: 83 Resp: 25290
Ion Ratio Lower Upper
83 100
85 73.4 52.8 79.2





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.185 min Scan# 114
Delta R.T. 0.029 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29

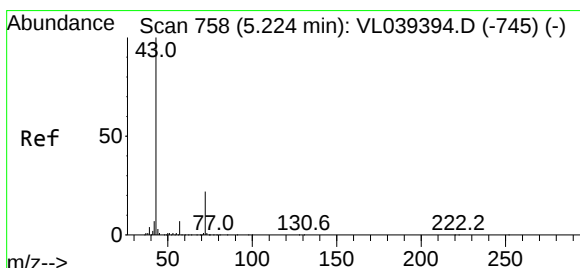
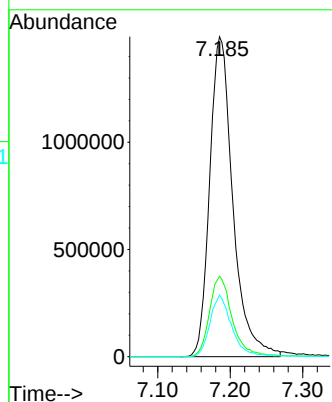
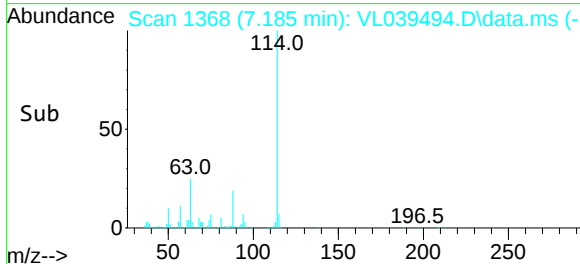
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



Tgt Ion:114 Resp: 3307229
Ion Ratio Lower Upper
114 100
63 25.0 20.2 30.4
88 18.4 14.5 21.7

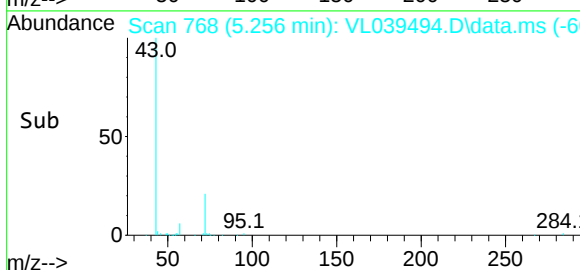
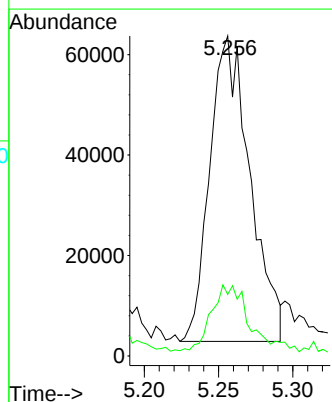
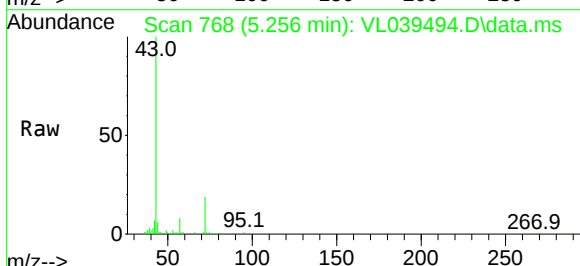
Manual Integrations
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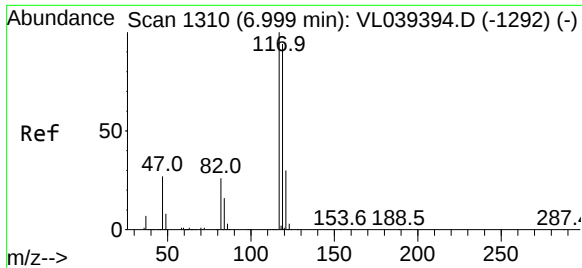
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#34
2-Butanone
Concen: 0.688 ppbv
RT: 5.256 min Scan# 768
Delta R.T. 0.032 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29

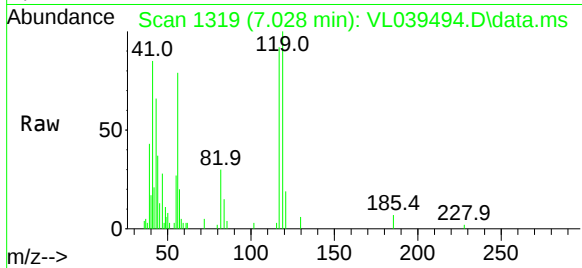
Tgt Ion: 43 Resp: 114598
Ion Ratio Lower Upper
43 100
72 27.7 17.9 26.9#





#35
Carbon Tetrachloride
Concen: 0.050 ppbv m
RT: 7.028 min Scan# 117
Delta R.T. 0.029 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29

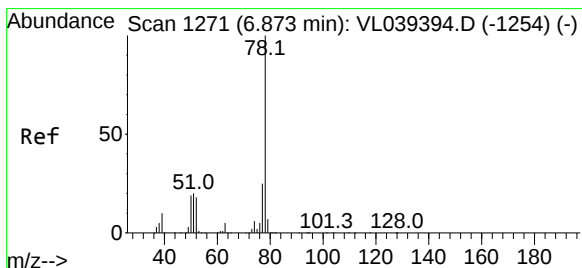
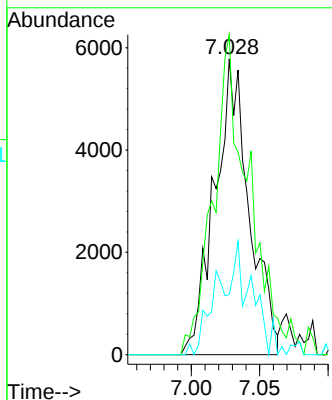
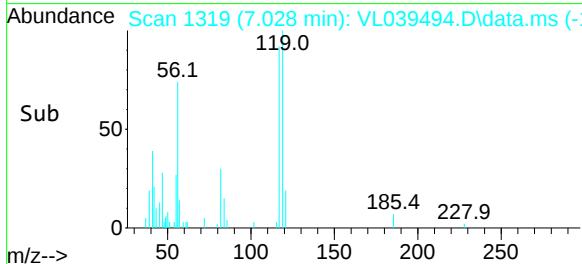
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



Tgt Ion: 117 Resp: 10172
Ion Ratio Lower Upper
117 100
119 108.2 75.4 113.2
121 20.4 24.2 36.2

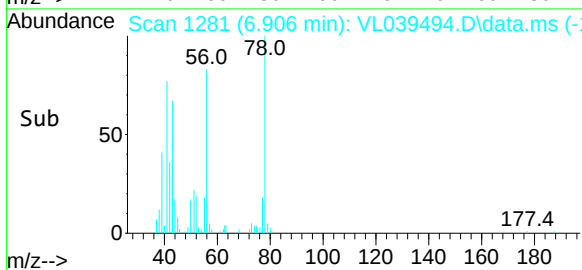
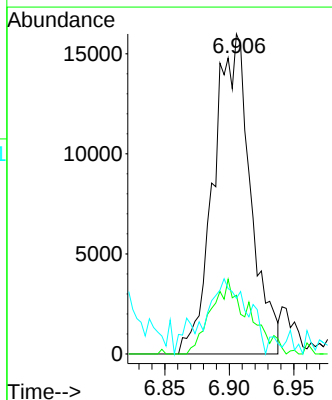
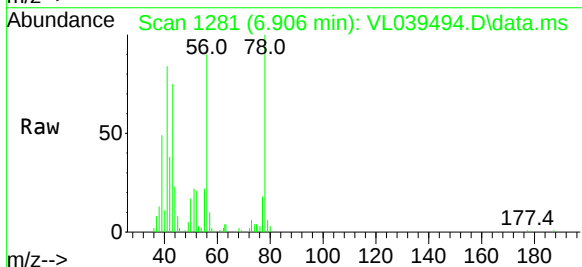
Manual Integrations
APPROVED

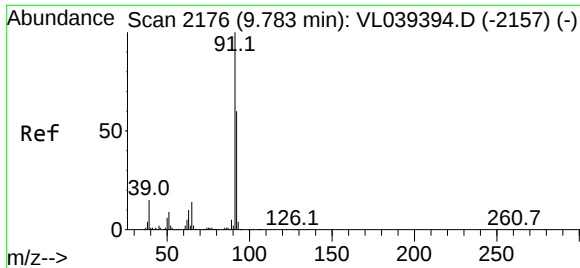
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#36
Benzene
Concen: 0.124 ppbv m
RT: 6.906 min Scan# 1281
Delta R.T. 0.032 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29

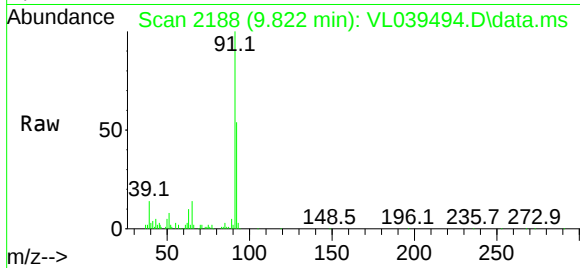
Tgt Ion: 78 Resp: 31831
Ion Ratio Lower Upper
78 100
77 18.3 20.3 30.5#
50 17.4 15.5 23.3





#53
Toluene
Concen: 0.612 ppbv
RT: 9.822 min Scan# 2176
Delta R.T. 0.038 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29

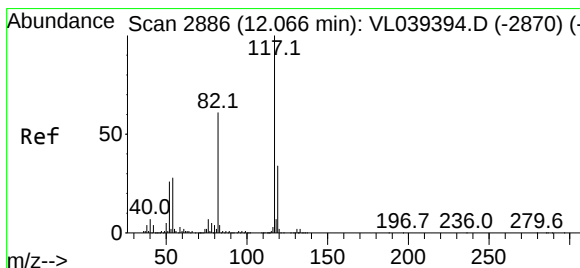
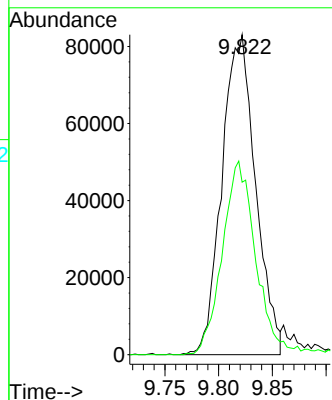
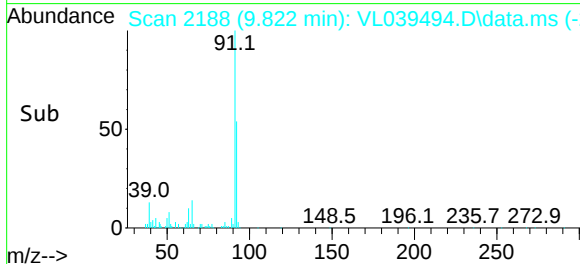
Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP



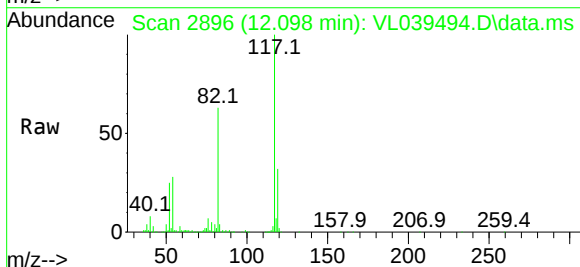
Tgt Ion: 91 Resp: 18078
Ion Ratio Lower Upper
91 100
92 61.4 48.2 72.2

Manual Integrations
APPROVED

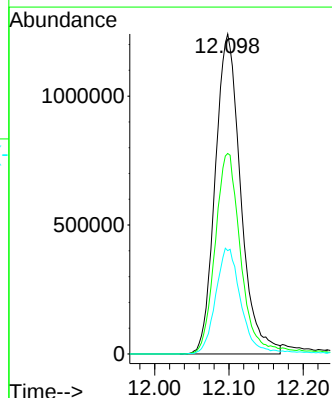
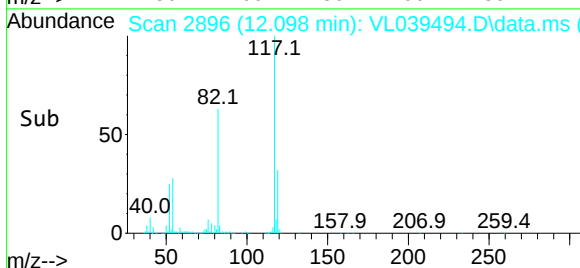
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

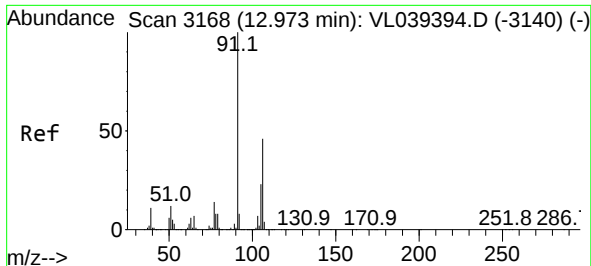


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.098 min Scan# 2896
Delta R.T. 0.032 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29



Tgt Ion:117 Resp: 2959698
Ion Ratio Lower Upper
117 100
82 64.6 50.8 76.2
119 34.2 24.1 36.1





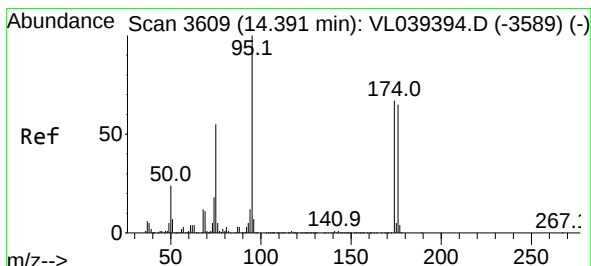
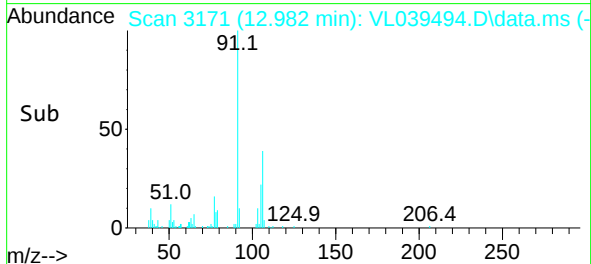
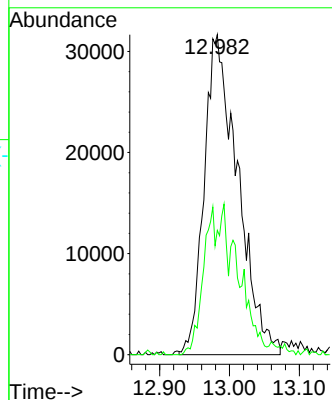
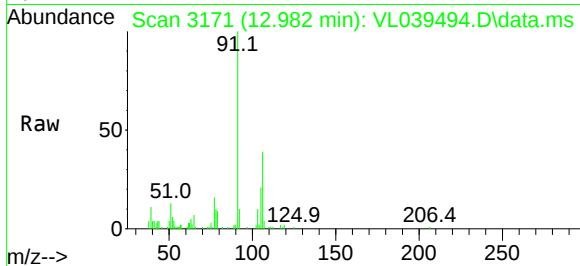
#59
m/p-Xylene
Concen: 0.314 ppbv m
RT: 12.982 min Scan# 3168
Delta R.T. 0.010 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29

Instrument :
MSVOA_L
ClientSampleId :
IA-1DUP

Tgt Ion: 91 Resp: 10579
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2

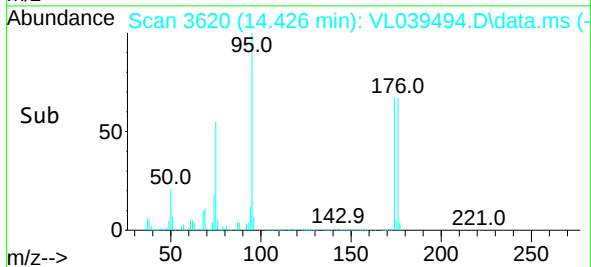
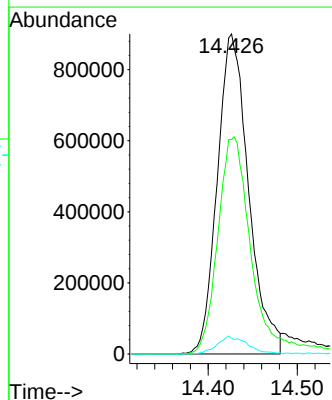
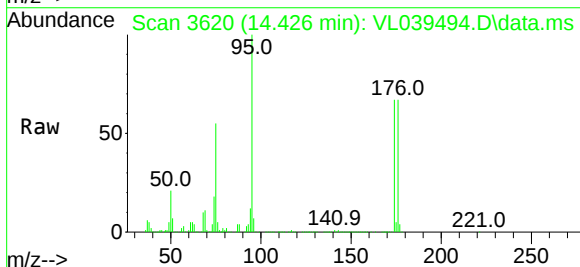
Manual Integrations
APPROVED

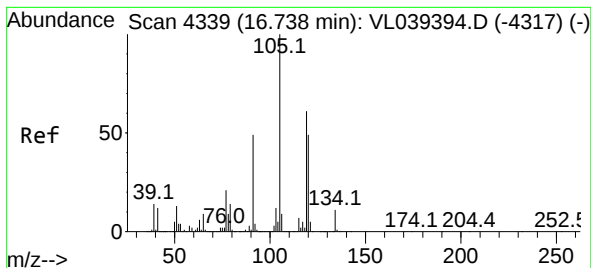
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#68
1-Bromo-4-Fluorobenzene
Concen: 10.002 ppbv
RT: 14.426 min Scan# 3620
Delta R.T. 0.035 min
Lab File: VL039494.D
Acq: 19 Jul 2022 23:29

Tgt Ion: 95 Resp: 2196160
Ion Ratio Lower Upper
95 100
174 75.5 55.9 83.9
175 5.5 4.2 6.4





#74

1,2,4-Trimethylbenzene

Concen: 0.267 ppbv

RT: 16.773 min Scan# 41

Delta R.T. 0.035 min

Lab File: VL039494.D

Acq: 19 Jul 2022 23:29

Instrument :

MSVOA_L

ClientSampleId :

IA-1DUP

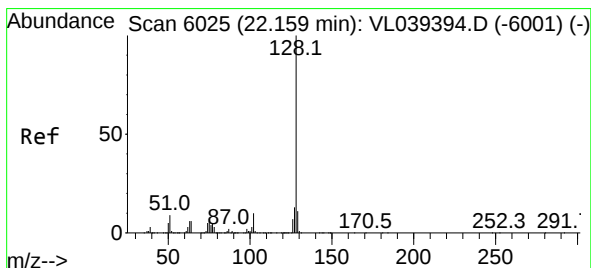
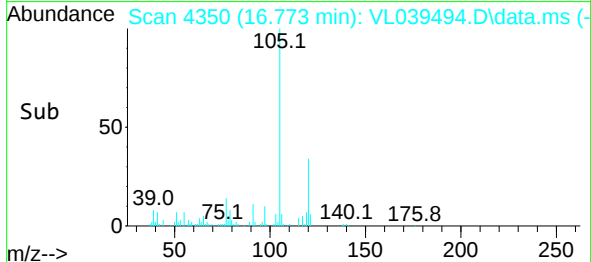
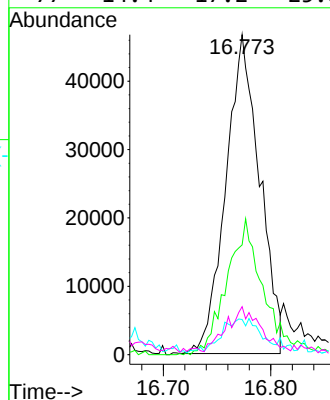
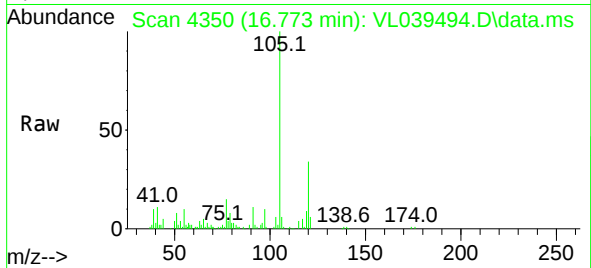
Tgt Ion:	105	Resp:	10191
Ion Ratio	Lower	Upper	
105	100		
120	33.3	39.5	59.3
91	10.1	39.2	58.8
77	14.4	17.2	25.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022

Supervised By :Mahesh Dadoda 07/21/2022



#79

Naphthalene

Concen: 0.540 ppbv m

RT: 22.207 min Scan# 6040

Delta R.T. 0.048 min

Lab File: VL039494.D

Acq: 19 Jul 2022 23:29

Tgt Ion:	128	Resp:	141694
Ion Ratio	Lower	Upper	
128	100		
127	10.5	10.6	15.8
129	11.1	8.8	13.2

