

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
 Data File : VL039493.D
 Acq On : 19 Jul 2022 22:45
 Operator : SY/AP
 Sample : N3750-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Manual Integrations
 APPROVED

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

Quant Time: Jul 20 05:42:12 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	1238495	10.000	ppbv	0.02
33) 1,4-Difluorobenzene	7.189	114	3395697	10.000	ppbv	0.03
55) Chlorobenzene-d5	12.098	117	2988307	10.000	ppbv	0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.426	95	2298761	10.369	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.700%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.057	85	55292	0.310	ppbv	93
4) Chloromethane	3.150	50	48373m	0.563	ppbv	
9) Propene	3.031	41	52987	0.747	ppbv #	80
11) Trichlorofluoromethane	3.957	101	36331	0.183	ppbv	98
13) Ethanol	3.607	45	331950	80.632	ppbv	77
15) Acetone	3.854	43	1274584	8.699	ppbv	96
19) Isopropyl Alcohol	3.973	45	128958	1.650	ppbv #	1
20) Methylene Chloride	4.356	84	747997	12.808	ppbv	99
26) Hexane	5.697	57	661400	5.461	ppbv #	40
29) Chloroform	5.774	83	28629m	0.136	ppbv	
34) 2-Butanone	5.256	43	120338	0.704	ppbv	96
35) Carbon Tetrachloride	7.034	117	10863m	0.052	ppbv	
36) Benzene	6.899	78	34592	0.132	ppbv #	86
53) Toluene	9.816	91	185340	0.611	ppbv	98
59) m/p-Xylene	12.983	91	112068m	0.329	ppbv	
74) 1,2,4-Trimethylbenzene	16.773	105	111304	0.289	ppbv #	70
79) Naphthalene	22.207	128	148867m	0.562	ppbv	

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

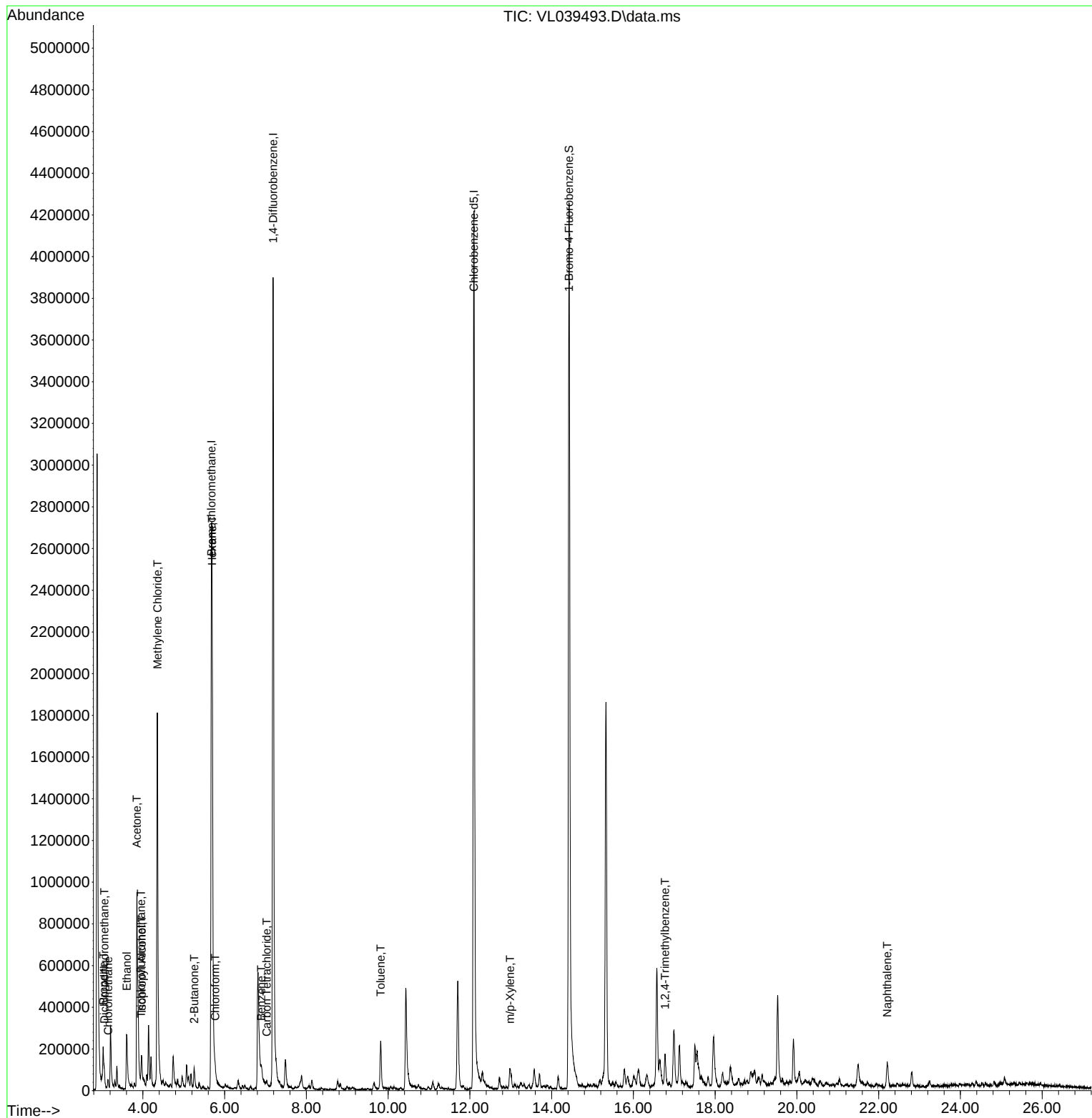
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL071922\
Data File : VL039493.D
Acq On : 19 Jul 2022 22:45
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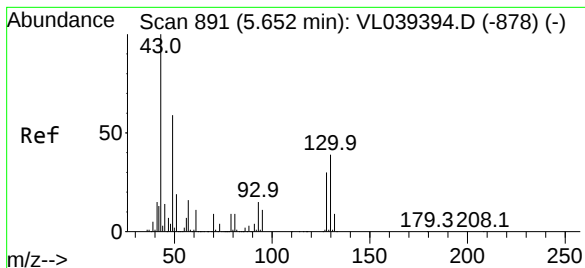
Instrument :
MSVOA_L
ClientSampleId :
IA-1

Quant Time: Jul 20 05:42:12 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

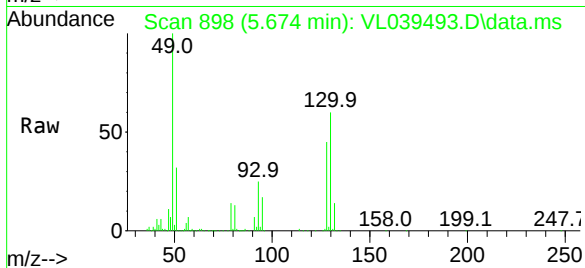
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.674 min Scan# 84
 Delta R.T. 0.023 min
 Lab File: VL039493.D
 Acq: 19 Jul 2022 22:45

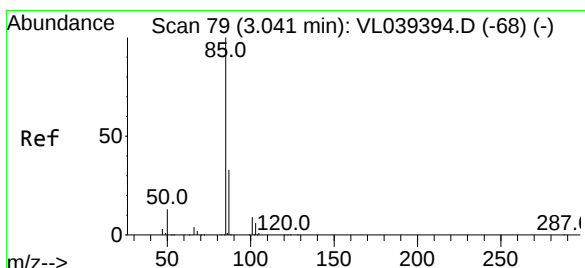
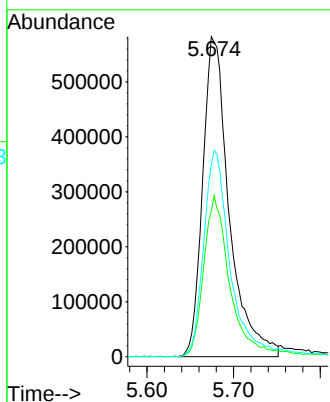
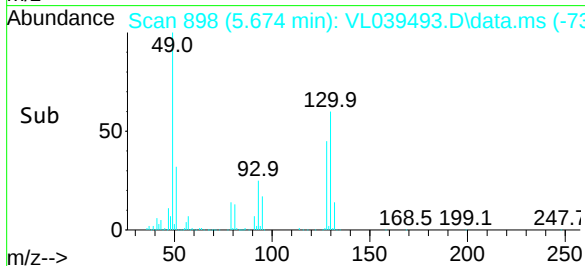
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1



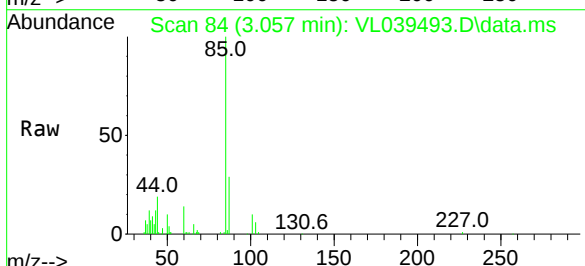
Tgt Ion: 49 Resp: 123849
 Ion Ratio Lower Upper
 49 100
 128 51.4 26.7 80.0
 130 66.2 34.3 102.8

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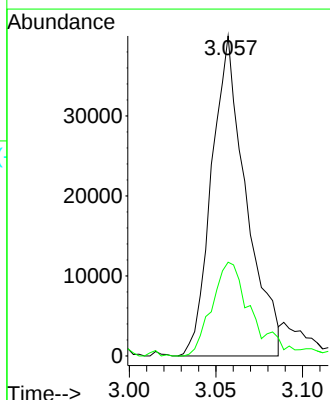
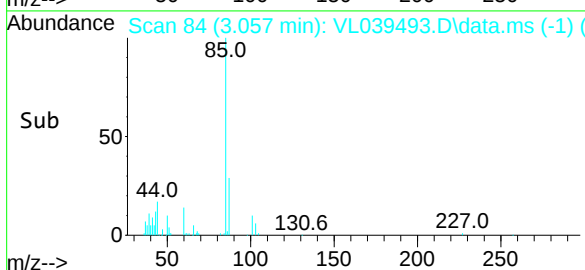
Reviewed By :Semsettin Yesilyurt 07/20/2022
 Supervised By :Mahesh Dadoda 07/21/2022

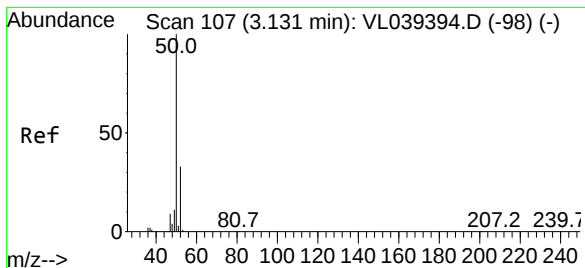


#2
 Dichlorodifluoromethane
 Concen: 0.310 ppbv
 RT: 3.057 min Scan# 84
 Delta R.T. 0.016 min
 Lab File: VL039493.D
 Acq: 19 Jul 2022 22:45



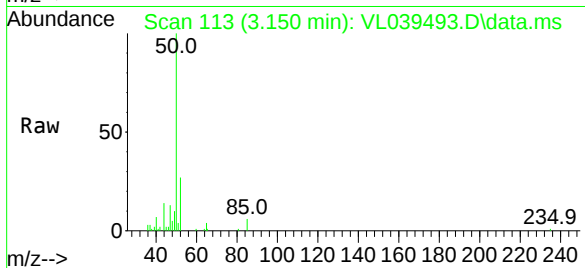
Tgt Ion: 85 Resp: 55292
 Ion Ratio Lower Upper
 85 100
 87 29.3 26.7 40.1





#4
Chloromethane
Concen: 0.563 ppbv m
RT: 3.150 min Scan# 113
Delta R.T. 0.019 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45

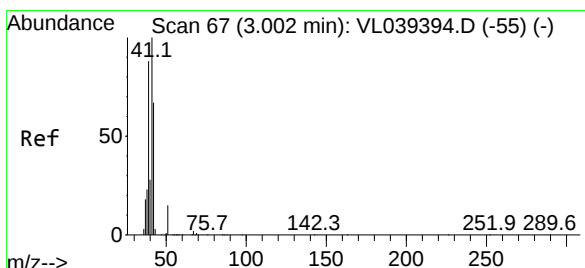
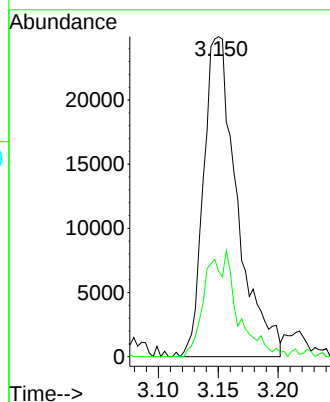
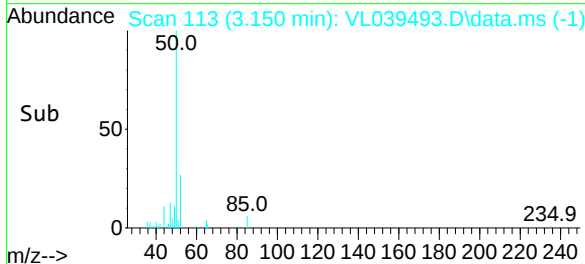
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 50 Resp: 4837
Ion Ratio Lower Upper
50 100
52 26.8 26.5 39.7

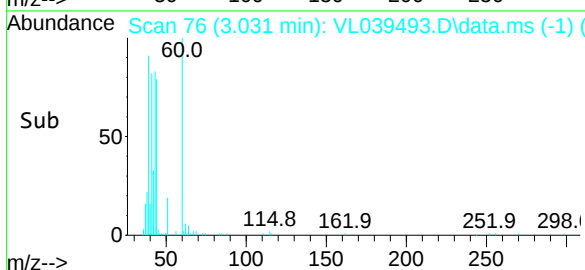
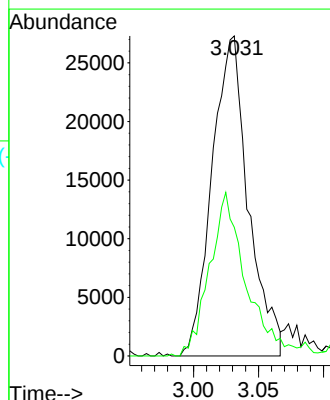
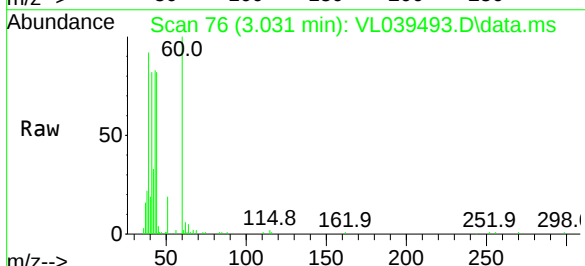
Manual Integrations
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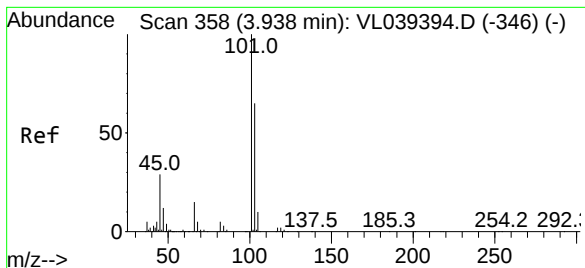
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#9
Propene
Concen: 0.747 ppbv
RT: 3.031 min Scan# 76
Delta R.T. 0.029 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45

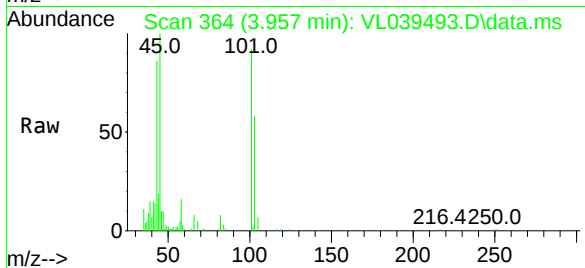
Tgt Ion: 41 Resp: 52987
Ion Ratio Lower Upper
41 100
42 52.8 55.2 82.8#





#11
Trichlorofluoromethane
Concen: 0.183 ppbv
RT: 3.957 min Scan# 30
Delta R.T. 0.019 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45

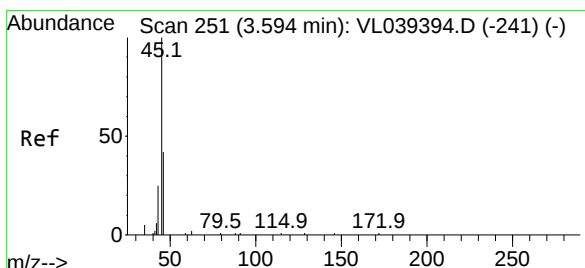
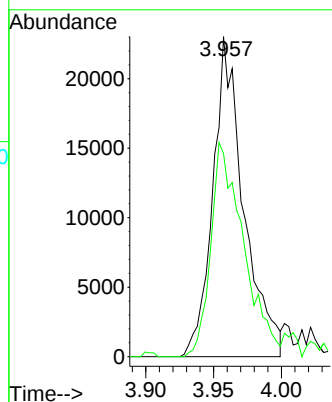
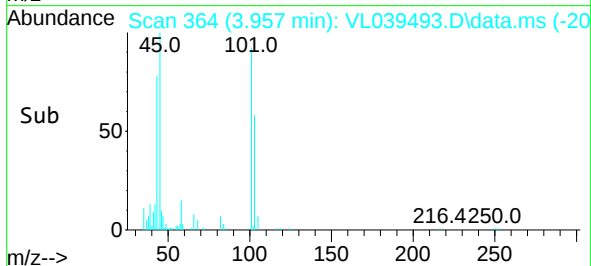
Instrument :
MSVOA_L
ClientSampleId :
IA-1



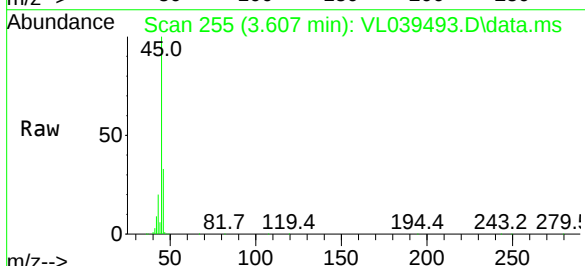
Tgt Ion:101 Resp: 3633
Ion Ratio Lower Upper
101 100
103 63.4 51.8 77.8

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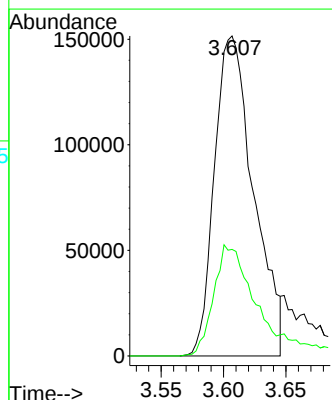
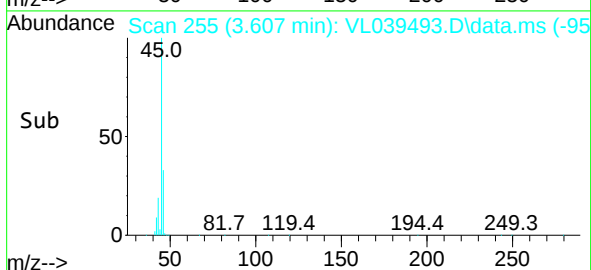
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

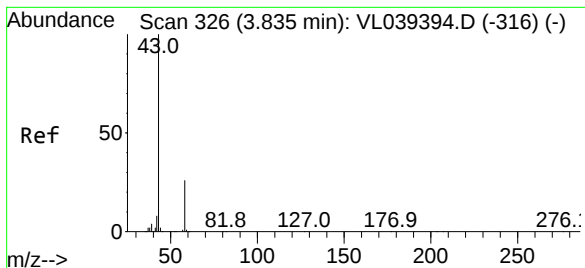


#13
Ethanol
Concen: 80.632 ppbv
RT: 3.607 min Scan# 255
Delta R.T. 0.013 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45



Tgt Ion: 45 Resp: 331950
Ion Ratio Lower Upper
45 100
46 40.1 22.8 91.2





#15

Acetone

Concen: 8.699 ppbv

RT: 3.854 min Scan# 31

Delta R.T. 0.019 min

Lab File: VL039493.D

Acq: 19 Jul 2022 22:45

Instrument :

MSVOA_L

ClientSampleId :

IA-1

Tgt Ion: 43 Resp: 1274584

Ion Ratio Lower Upper

43 100

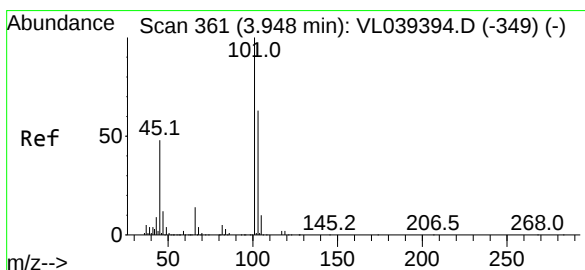
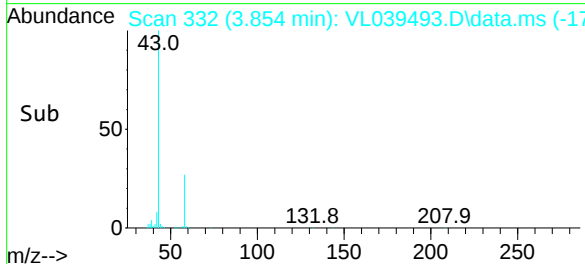
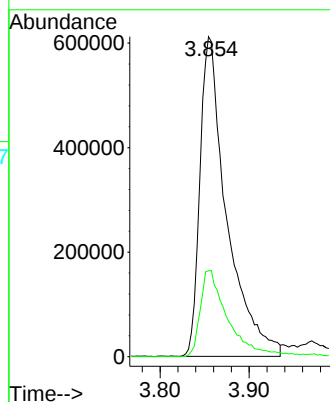
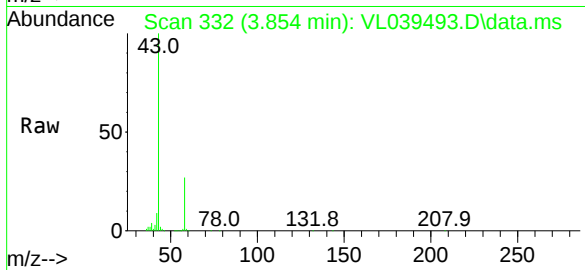
58 28.5 21.0 31.6

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022

Supervised By :Mahesh Dadoda 07/21/2022



#19

Isopropyl Alcohol

Concen: 1.650 ppbv

RT: 3.973 min Scan# 369

Delta R.T. 0.026 min

Lab File: VL039493.D

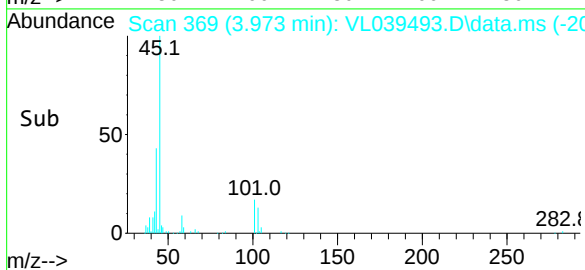
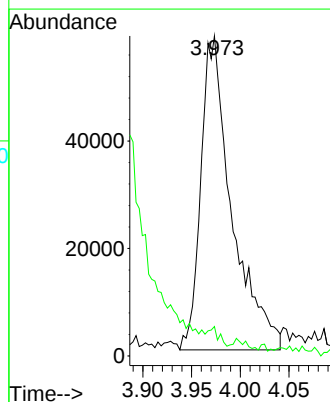
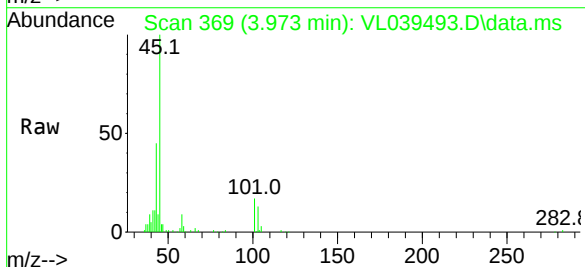
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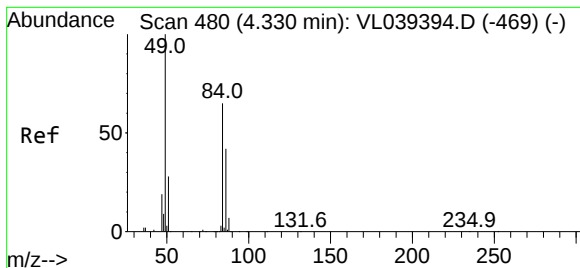
Tgt Ion: 45 Resp: 128958

Ion Ratio Lower Upper

45 100

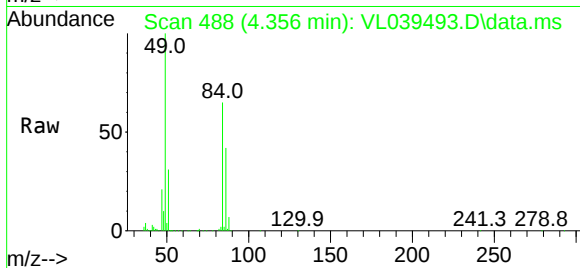
58 289.6 3.2 4.8#





#20
Methylene Chloride
Concen: 12.808 ppbv
RT: 4.356 min Scan# 41
Delta R.T. 0.026 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45

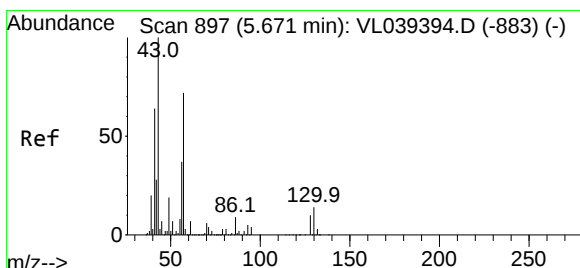
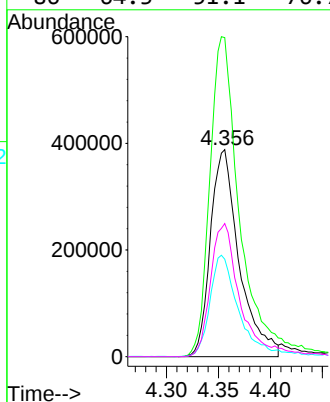
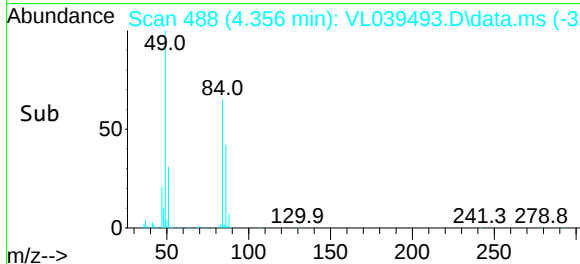
Instrument :
MSVOA_L
ClientSampleId :
IA-1



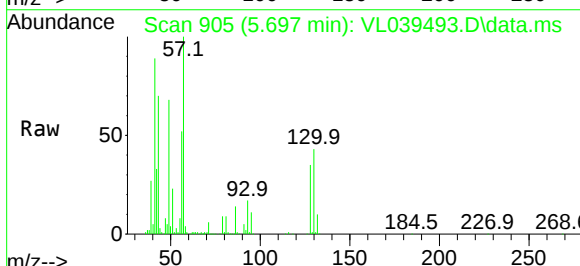
Tgt Ion: 84 Resp: 747997
Ion Ratio Lower Upper
84 100
49 154.1 123.1 184.7
51 47.0 34.4 51.6
86 64.3 51.1 76.7

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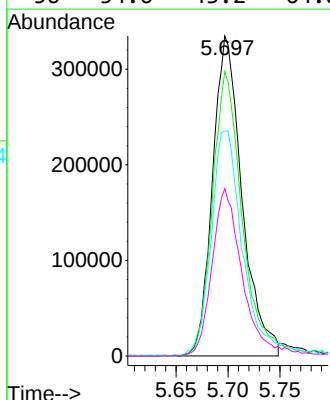
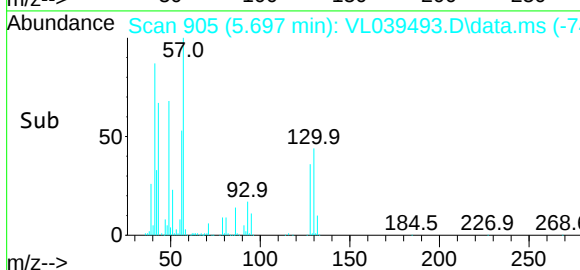
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

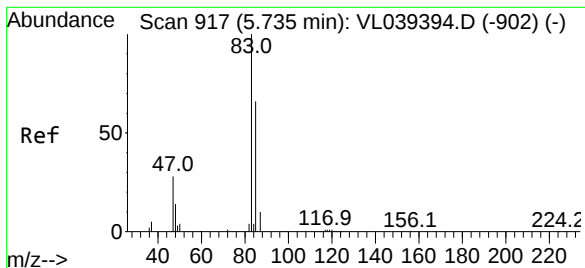


#26
Hexane
Concen: 5.461 ppbv
RT: 5.697 min Scan# 905
Delta R.T. 0.026 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45



Tgt Ion: 57 Resp: 661400
Ion Ratio Lower Upper
57 100
41 91.4 76.9 115.3
43 76.2 191.0 286.6#
56 54.6 43.2 64.8





#29

Chloroform

Concen: 0.136 ppbv m

RT: 5.774 min Scan# 917

Delta R.T. 0.039 min

Lab File: VL039493.D

Acq: 19 Jul 2022 22:45

Instrument :

MSVOA_L

ClientSampleId :

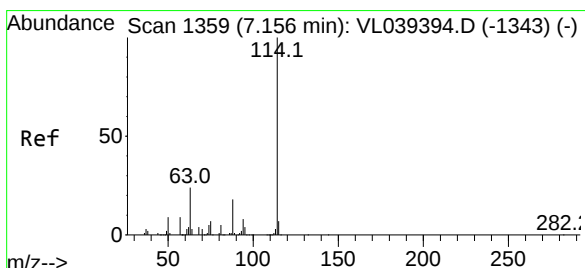
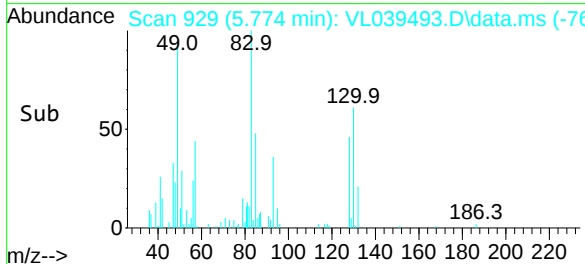
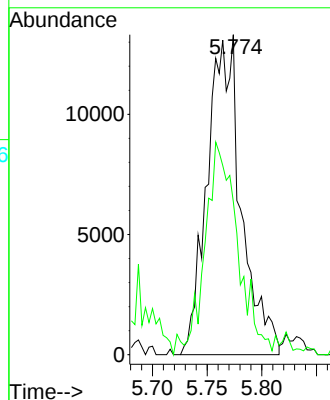
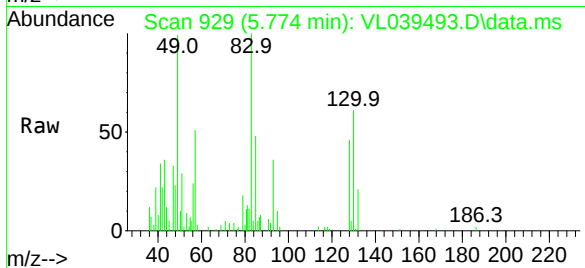
IA-1

Tgt Ion: 83 Resp: 28629
 Ion Ratio Lower Upper
 83 100
 85 47.8 52.8 79.2

Manual Integrations

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

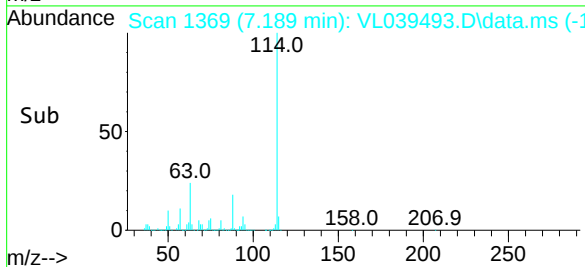
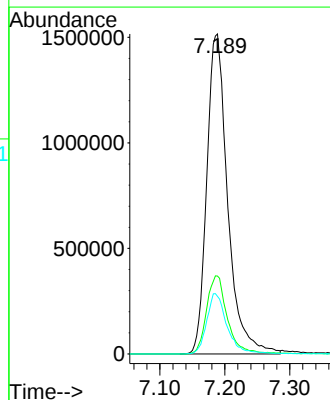
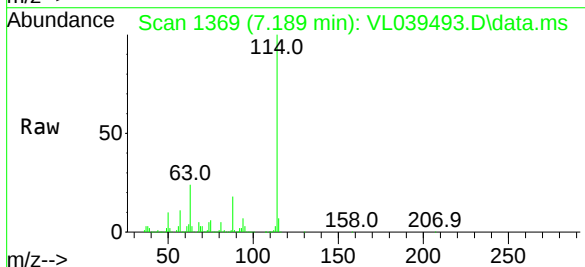
RT: 7.189 min Scan# 1369

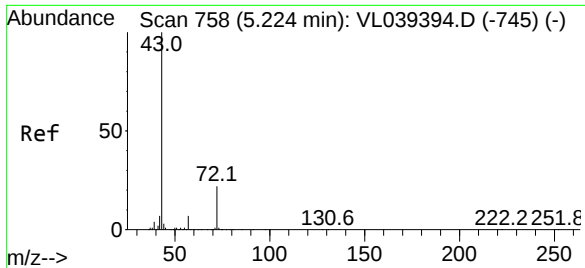
Delta R.T. 0.032 min

Lab File: VL039493.D

Acq: 19 Jul 2022 22:45

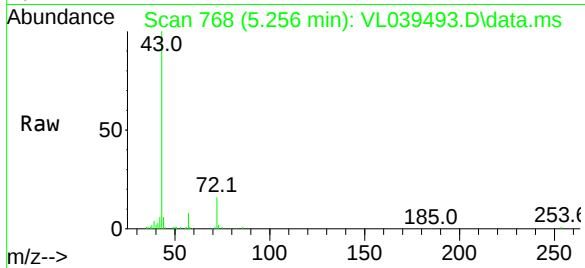
Tgt Ion:114 Resp: 3395697
 Ion Ratio Lower Upper
 114 100
 63 24.4 20.2 30.4
 88 18.6 14.5 21.7





#34
2-Butanone
Concen: 0.704 ppbv
RT: 5.256 min Scan# 70
Delta R.T. 0.032 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45

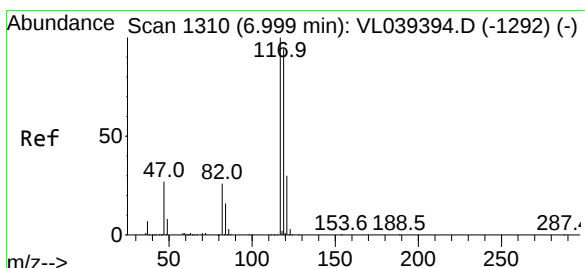
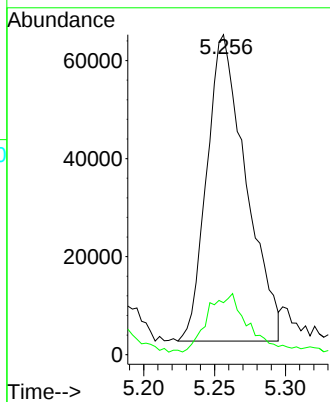
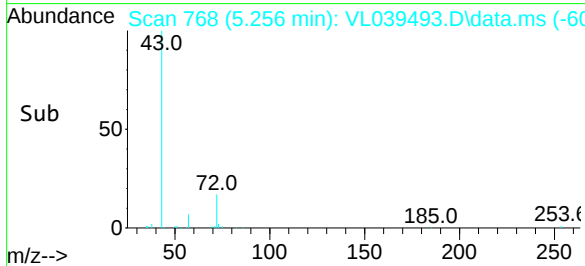
Instrument :
MSVOA_L
ClientSampleId :
IA-1



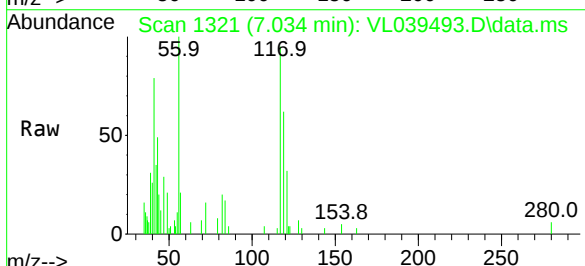
Tgt Ion: 43 Resp: 120338
Ion Ratio Lower Upper
43 100
72 24.2 17.9 26.9

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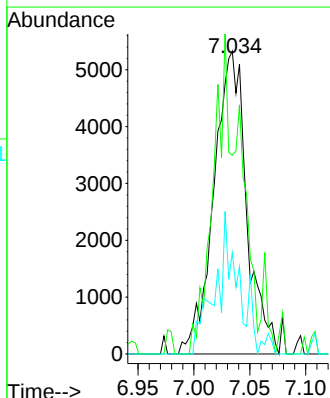
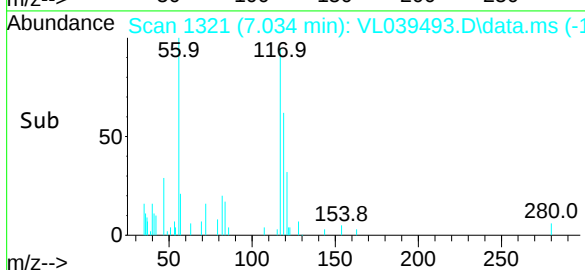
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

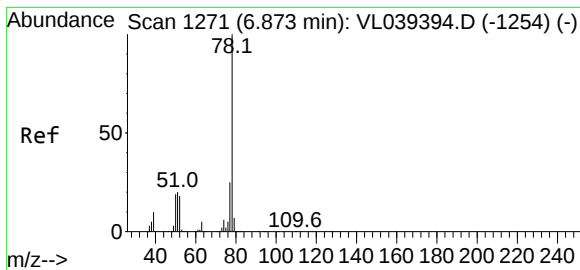


#35
Carbon Tetrachloride
Concen: 0.052 ppbv m
RT: 7.034 min Scan# 1321
Delta R.T. 0.035 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45



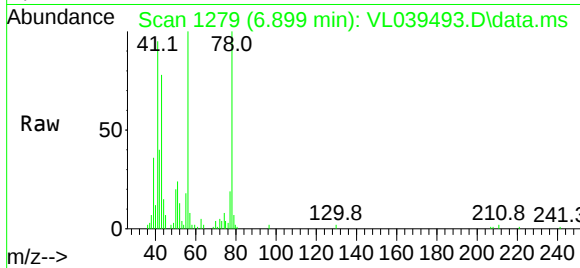
Tgt Ion:117 Resp: 10863
Ion Ratio Lower Upper
117 100
119 65.5 75.4 113.2#
121 33.4 24.2 36.2





#36
Benzene
Concen: 0.132 ppbv
RT: 6.899 min Scan# 1279
Delta R.T. 0.026 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45

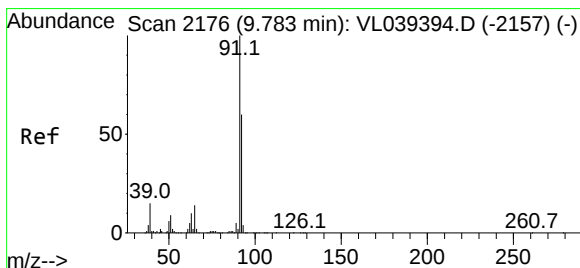
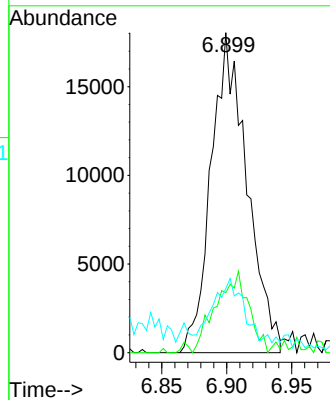
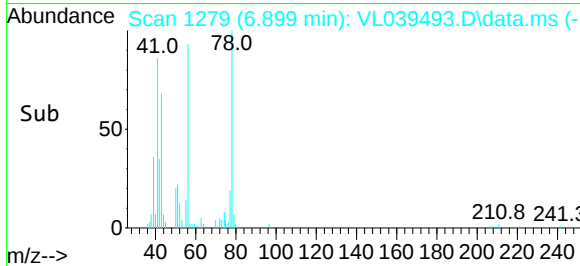
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion: 78 Resp: 34592
Ion Ratio Lower Upper
78 100
77 17.9 20.3 30.5
50 13.8 15.5 23.3

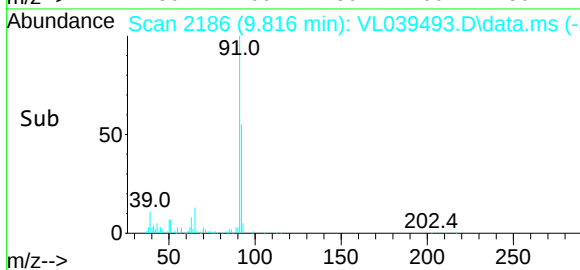
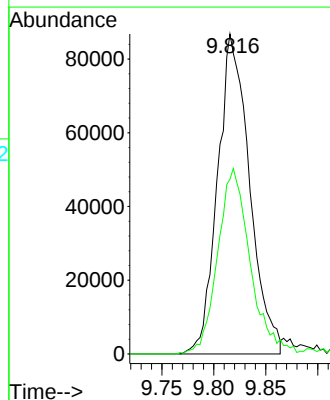
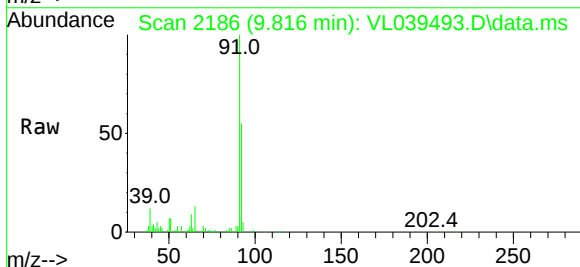
Manual Integrations
APPROVED

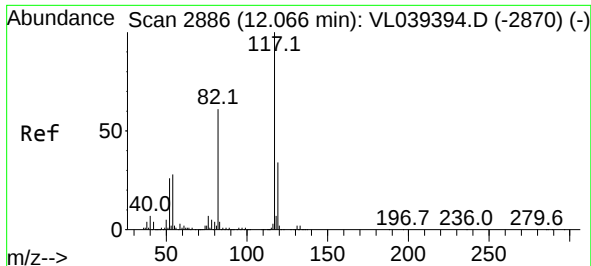
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#53
Toluene
Concen: 0.611 ppbv
RT: 9.816 min Scan# 2186
Delta R.T. 0.032 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45

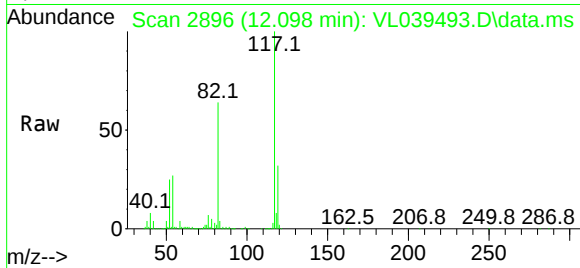
Tgt Ion: 91 Resp: 185340
Ion Ratio Lower Upper
91 100
92 58.9 48.2 72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.098 min Scan# 21
Delta R.T. 0.032 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45

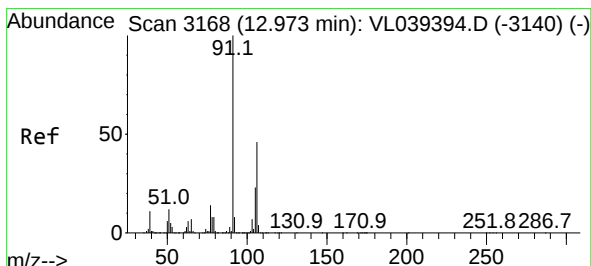
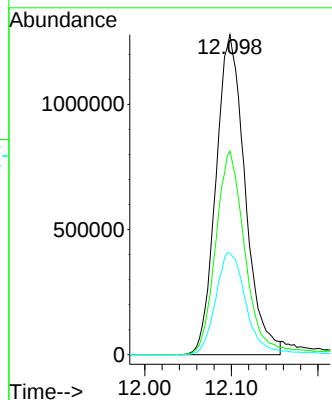
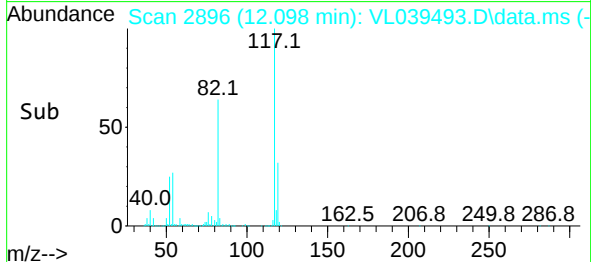
Instrument :
MSVOA_L
ClientSampleId :
IA-1



Tgt Ion:117 Resp: 298830
Ion Ratio Lower Upper
117 100
82 65.9 50.8 76.2
119 34.2 24.1 36.1

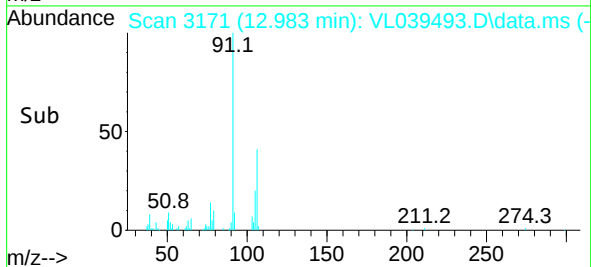
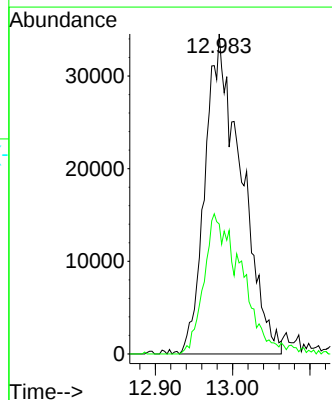
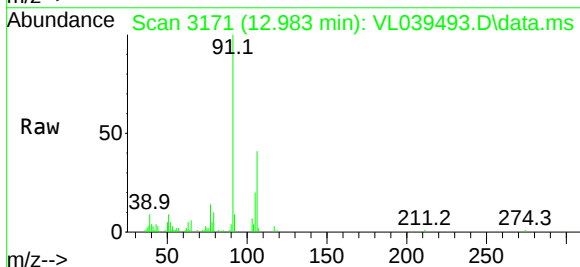
Manual Integrations
APPROVED

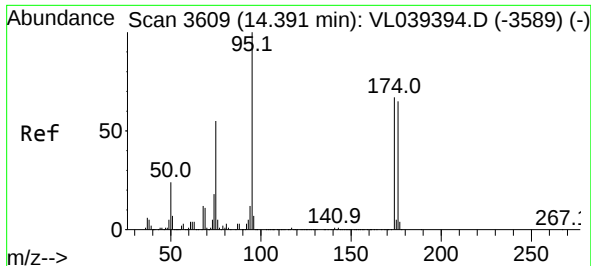
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022



#59
m/p-Xylene
Concen: 0.329 ppbv m
RT: 12.983 min Scan# 3171
Delta R.T. 0.010 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45

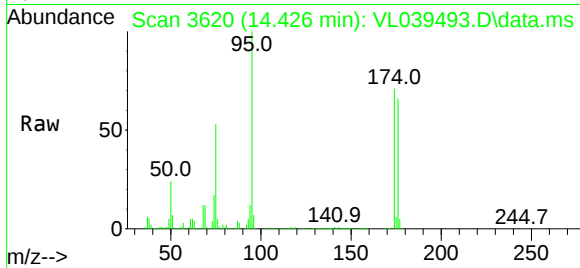
Tgt Ion: 91 Resp: 112068
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





#68
1-Bromo-4-Fluorobenzene
Concen: 10.369 ppbv
RT: 14.426 min Scan# 3609
Delta R.T. 0.035 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45

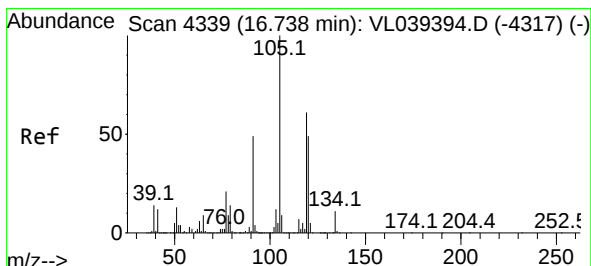
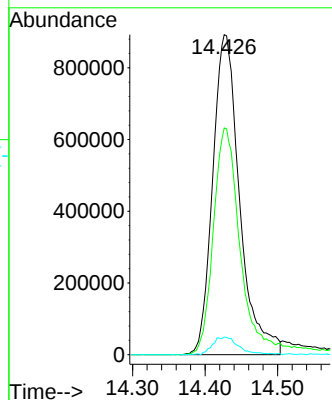
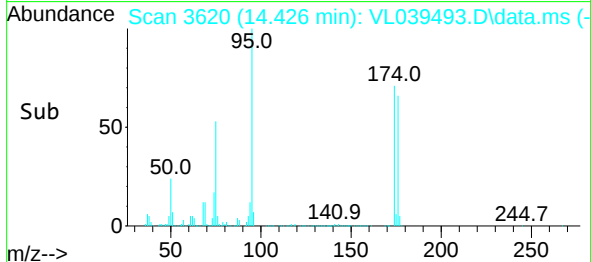
Instrument :
MSVOA_L
ClientSampleId :
IA-1



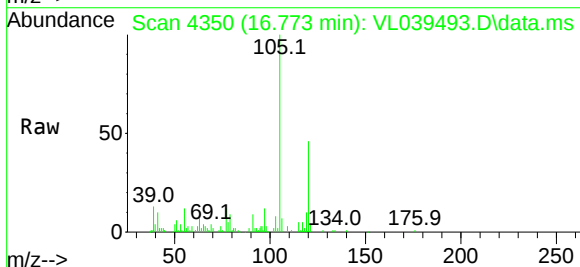
Tgt Ion: 95 Resp: 229876
Ion Ratio Lower Upper
95 100
174 74.2 55.9 83.9
175 5.5 4.2 6.4

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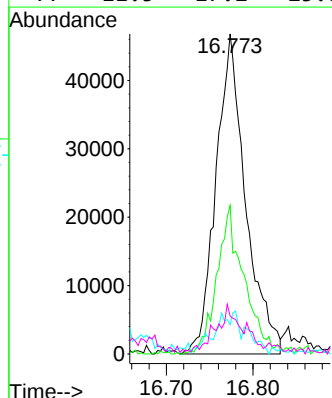
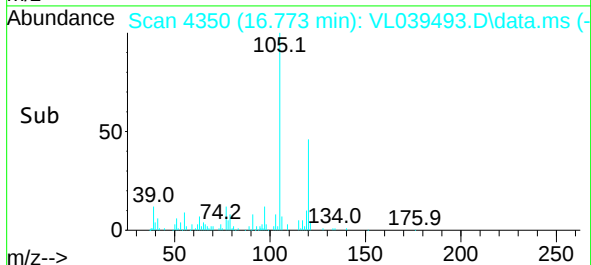
Reviewed By :Semsettin Yesilyurt 07/20/2022
Supervised By :Mahesh Dadoda 07/21/2022

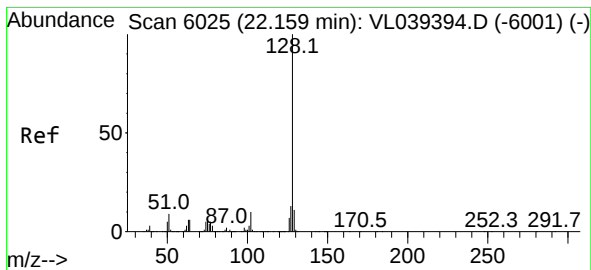


#74
1,2,4-Trimethylbenzene
Concen: 0.289 ppbv
RT: 16.773 min Scan# 4350
Delta R.T. 0.035 min
Lab File: VL039493.D
Acq: 19 Jul 2022 22:45



Tgt Ion:105 Resp: 111304
Ion Ratio Lower Upper
105 100
120 46.7 39.5 59.3
91 7.8 39.2 58.8#
77 11.5 17.2 25.8#





#79

Naphthalene

Concen: 0.562 ppbv m

RT: 22.207 min Scan# 6040

Delta R.T. 0.048 min

Lab File: VL039493.D

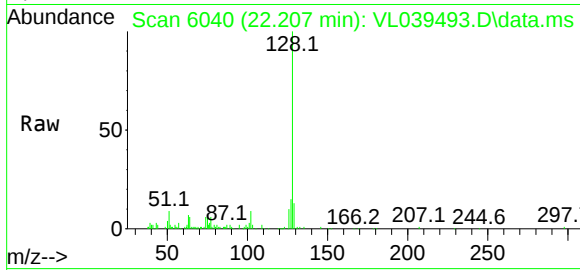
Acq: 19 Jul 2022 22:45

Instrument :

MSVOA_L

ClientSampleId :

IA-1



Tgt Ion:128 Resp: 14886

Ion Ratio Lower Upper

128 100

127 15.1 10.6 15.8

129 12.9 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 07/20/2022

Supervised By :Mahesh Dadoda 07/21/2022

