

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
 Data File : VL039354.D
 Acq On : 24 Jun 2022 23:49
 Operator : SY/AP
 Sample : N3453-08
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2

Manual Integrations
 APPROVED

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

Quant Time: Jun 27 01:54:07 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	5.661	49	1074974	10.000	ppbv	-0.01
33) 1,4-Difluorobenzene	7.169	114	3046573	10.000	ppbv	-0.01
55) Chlorobenzene-d5	12.076	117	2637753	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.404	95	1998170	9.163	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.600%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.050	85	54708m	0.290	ppbv	
3) Chlorodifluoromethane	2.993	51	72136	0.527	ppbv	98
4) Chloromethane	3.144	50	40071	0.570	ppbv #	74
9) Propene	3.018	41	44447m	0.745	ppbv	
11) Trichlorofluoromethane	3.948	101	37955	0.222	ppbv	87
13) Ethanol	3.597	45	980227	301.375	ppbv #	100
15) Acetone	3.841	43	2695088	24.068	ppbv	100
17) tert-Butyl alcohol	4.308	59	16722m	0.193	ppbv	
19) Isopropyl Alcohol	3.964	45	836956	15.936	ppbv #	95
20) Methylene Chloride	4.340	84	118092m	2.503	ppbv	
25) Ethyl Acetate	5.681	43	84531	0.335	ppbv #	87
26) Hexane	5.684	57	98559	0.889	ppbv #	44
34) 2-Butanone	5.240	43	97451	0.589	ppbv #	89
35) Carbon Tetrachloride	7.008	117	12260m	0.055	ppbv	
36) Benzene	6.890	78	30815m	0.125	ppbv	
38) Trichloroethene	7.828	130	23536m	0.207	ppbv	
53) Toluene	9.796	91	108804	0.382	ppbv	98
59) m/p-Xylene	12.963	91	37297m	0.117	ppbv	

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

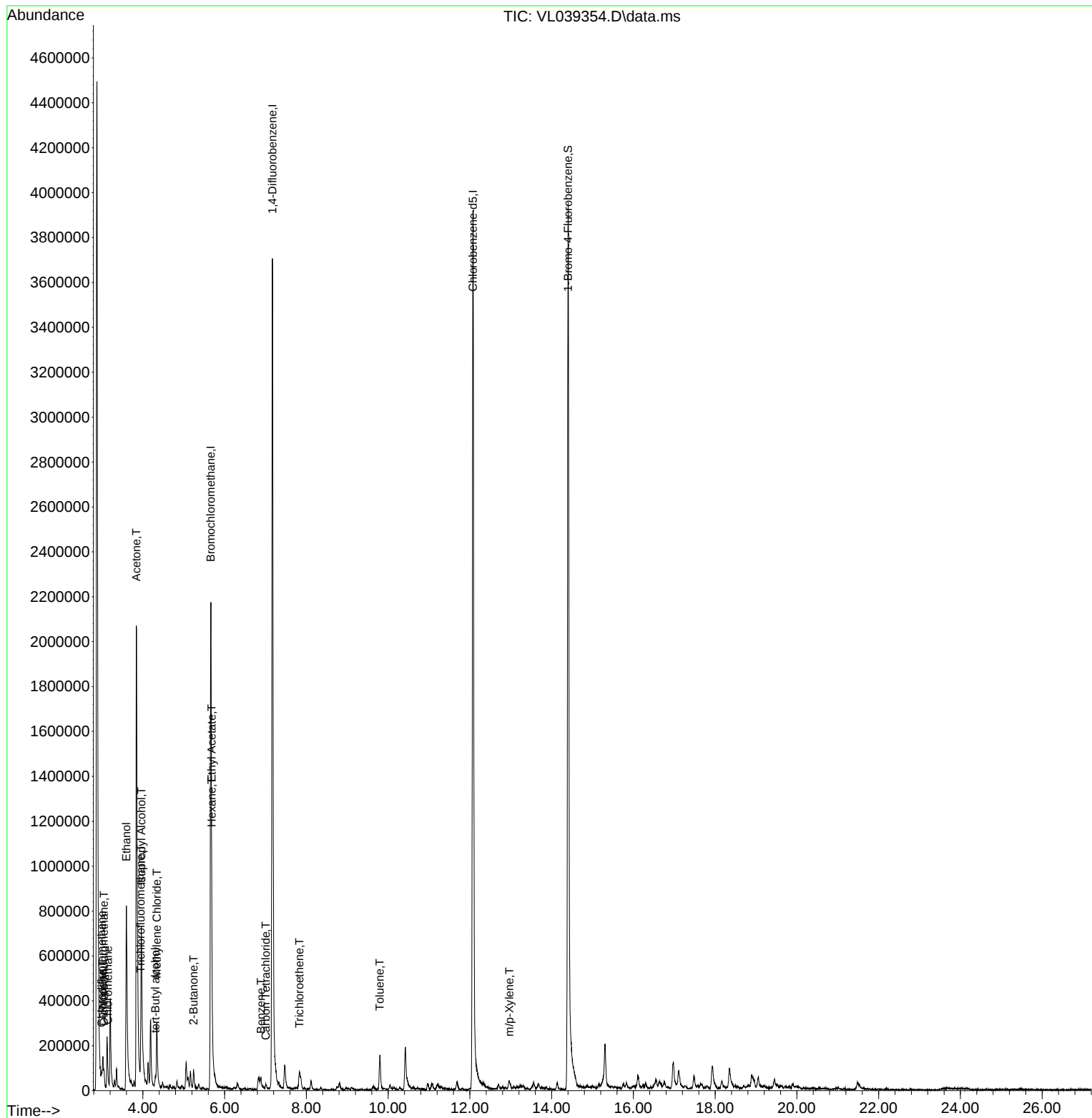
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062422\
Data File : VL039354.D
Acq On : 24 Jun 2022 23:49
Operator : SY/AP
Sample : N3453-08
Misc : 400mL/MSVOA_L
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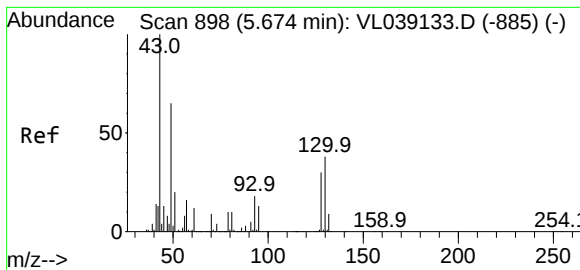
Instrument :
MSVOA_L
ClientSampleId :
IA-2

Quant Time: Jun 27 01:54:07 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

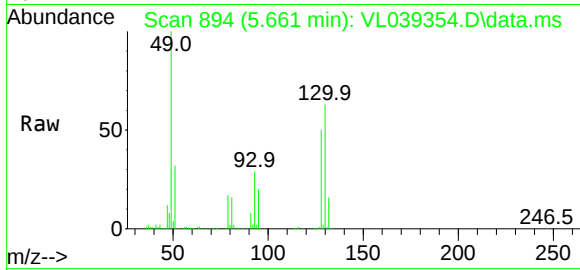
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.661 min Scan# 89
 Delta R.T. -0.013 min
 Lab File: VL039354.D
 Acq: 24 Jun 2022 23:49

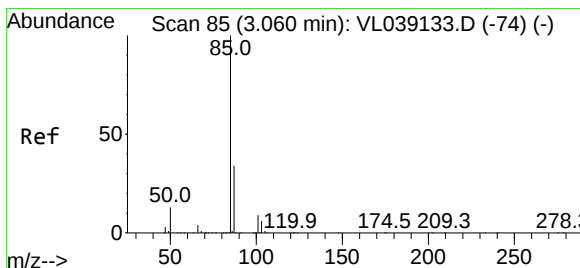
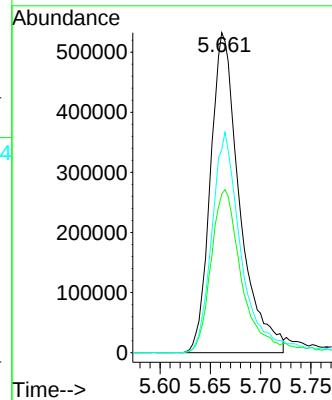
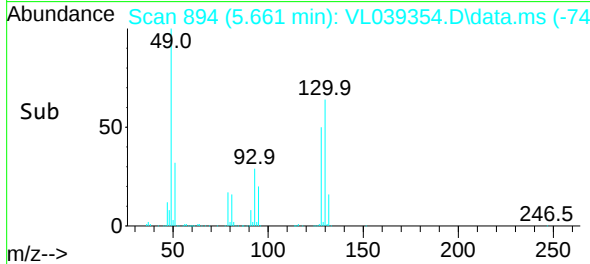
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2



Tgt Ion: 49 Resp: 1074974
 Ion Ratio Lower Upper
 49 100
 128 55.6 24.7 74.1
 130 71.8 31.4 94.0

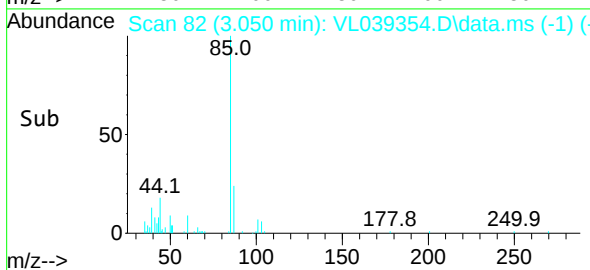
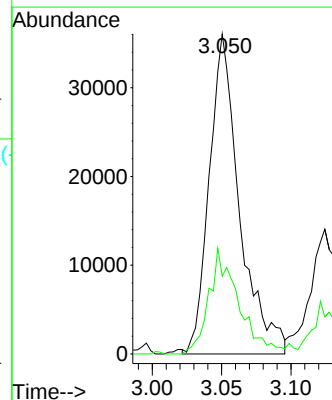
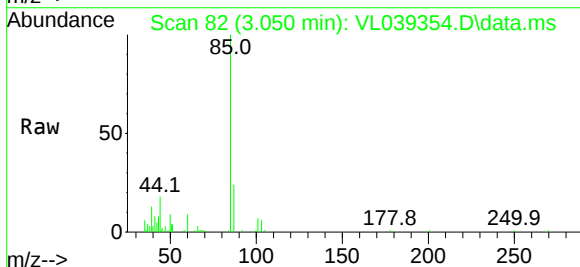
Manual Integrations
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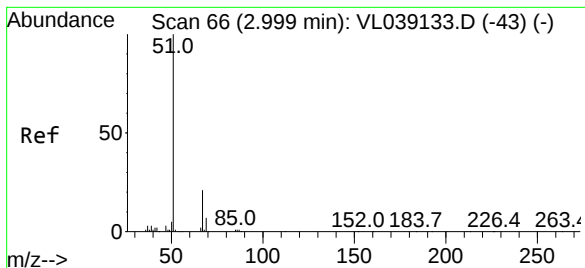
Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#2
 Dichlorodifluoromethane
 Concen: 0.290 ppbv m
 RT: 3.050 min Scan# 82
 Delta R.T. -0.010 min
 Lab File: VL039354.D
 Acq: 24 Jun 2022 23:49

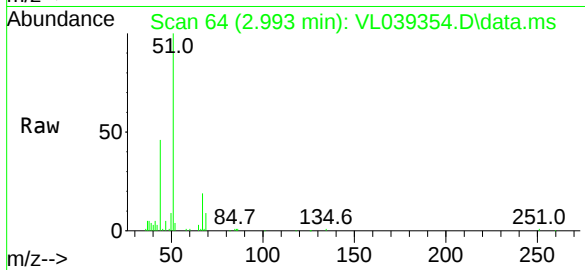
Tgt Ion: 85 Resp: 54708
 Ion Ratio Lower Upper
 85 100
 87 24.3 26.9 40.3#





#3
Chlorodifluoromethane
Concen: 0.527 ppbv
RT: 2.993 min Scan# 64
Delta R.T. -0.006 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

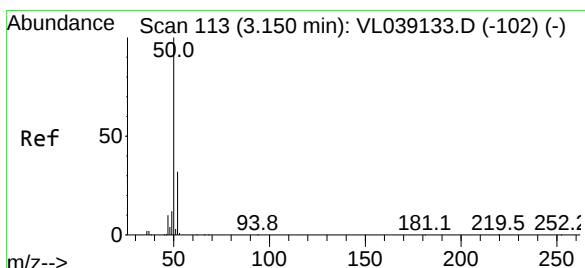
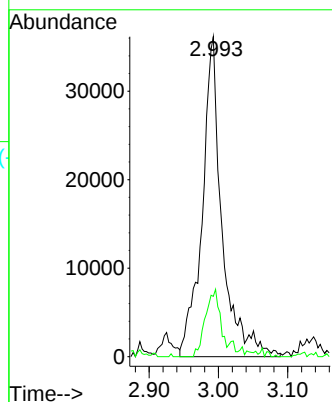
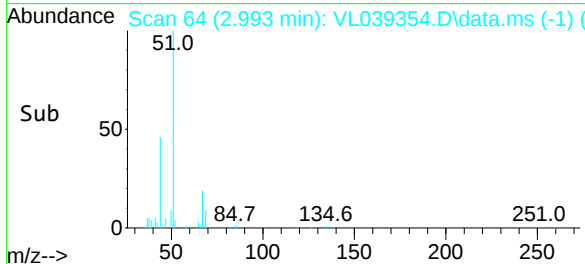
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 51 Resp: 72136
Ion Ratio Lower Upper
51 100
67 19.3 16.2 24.4

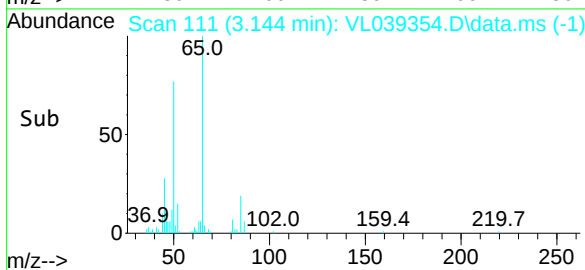
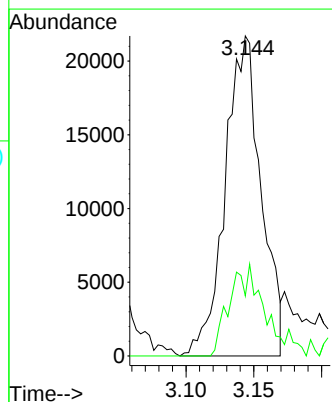
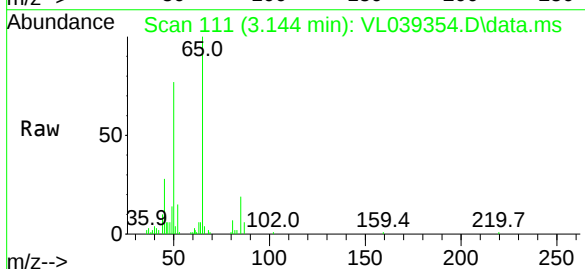
Manual Integrations
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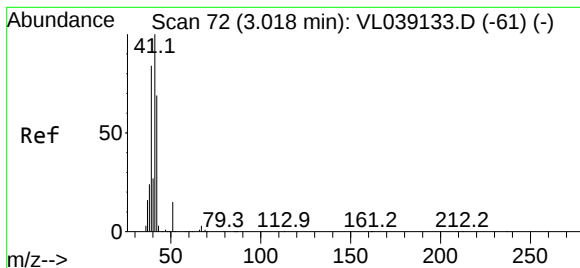
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#4
Chloromethane
Concen: 0.570 ppbv
RT: 3.144 min Scan# 111
Delta R.T. -0.006 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

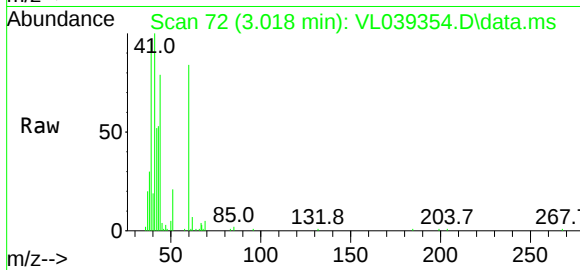
Tgt Ion: 50 Resp: 40071
Ion Ratio Lower Upper
50 100
52 17.9 25.9 38.9#





#9
 Propene
 Concen: 0.745 ppbv m
 RT: 3.018 min Scan# 71
 Delta R.T. 0.000 min
 Lab File: VL039354.D
 Acq: 24 Jun 2022 23:49

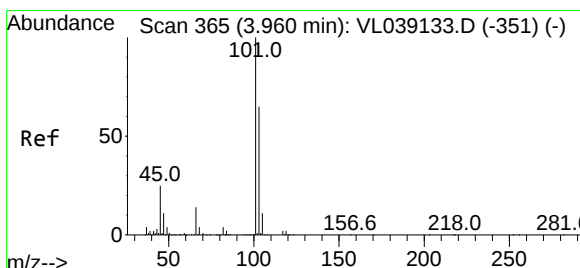
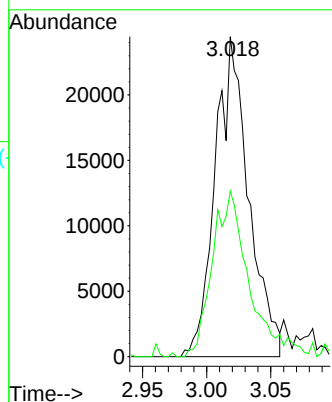
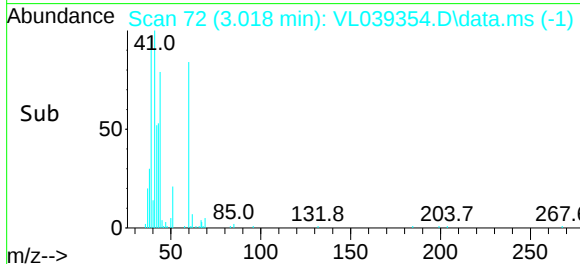
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-2



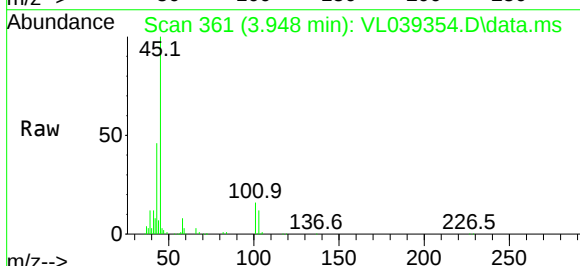
Tgt Ion: 41 Resp: 4444
 Ion Ratio Lower Upper
 41 100
 42 0.0 55.4 83.2

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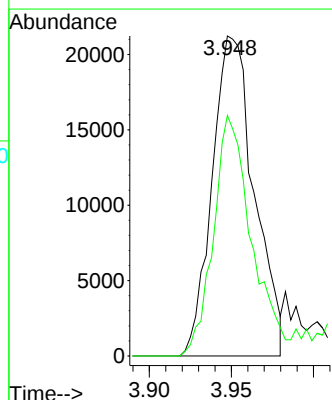
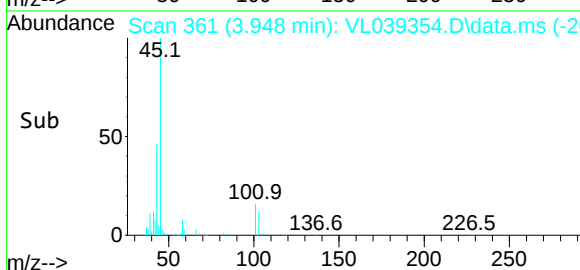
Reviewed By :Semsettin Yesilyurt 06/27/2022
 Supervised By :Mahesh Dadoda 06/30/2022

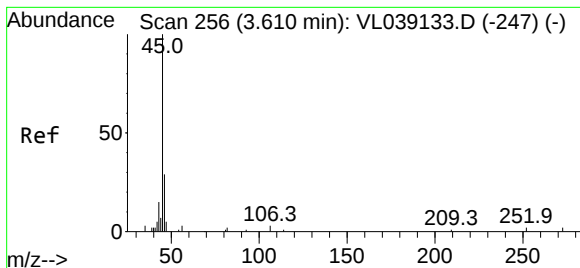


#11
 Trichlorofluoromethane
 Concen: 0.222 ppbv
 RT: 3.948 min Scan# 361
 Delta R.T. -0.013 min
 Lab File: VL039354.D
 Acq: 24 Jun 2022 23:49



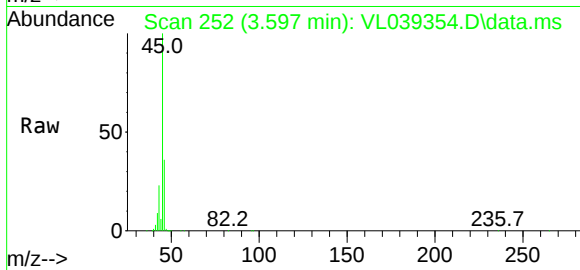
Tgt Ion:101 Resp: 37955
 Ion Ratio Lower Upper
 101 100
 103 75.2 51.7 77.5





#13
Ethanol
Concen: 301.375 ppbv
RT: 3.597 min Scan# 21
Delta R.T. -0.013 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

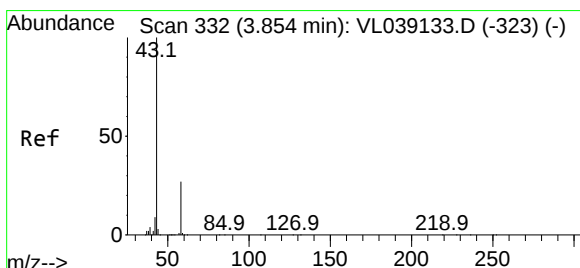
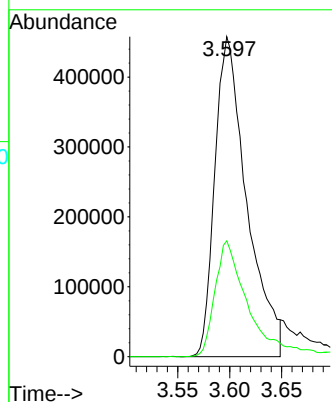
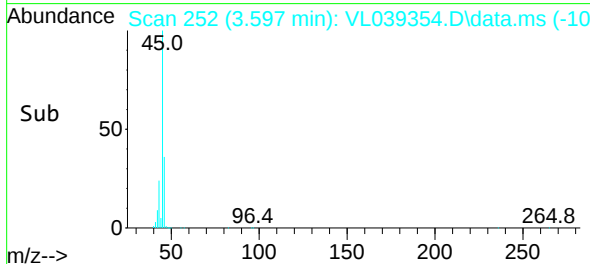
Instrument :
MSVOA_L
ClientSampleId :
IA-2



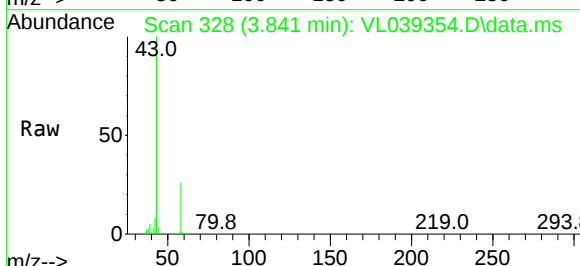
Tgt Ion: 45 Resp: 980227
Ion Ratio Lower Upper
45 100
46 39.9 0.0 0.0

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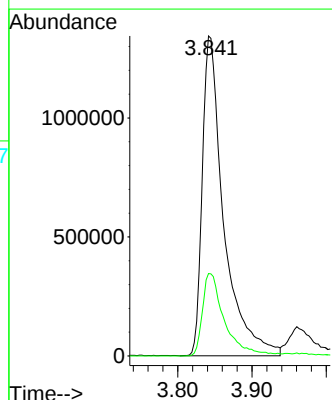
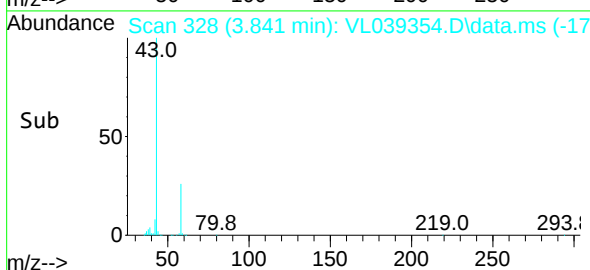
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

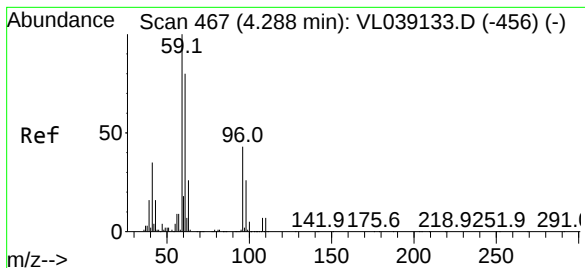


#15
Acetone
Concen: 24.068 ppbv
RT: 3.841 min Scan# 328
Delta R.T. -0.013 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49



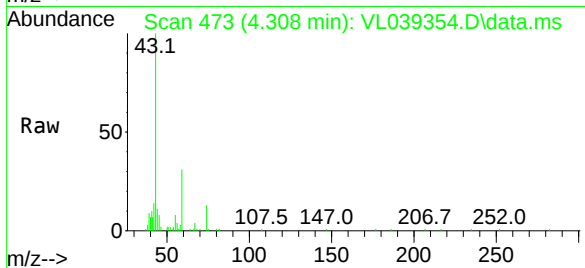
Tgt Ion: 43 Resp: 2695088
Ion Ratio Lower Upper
43 100
58 27.9 22.5 33.7





#17
tert-Butyl alcohol
Concen: 0.193 ppbv m
RT: 4.308 min Scan# 41
Delta R.T. 0.019 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

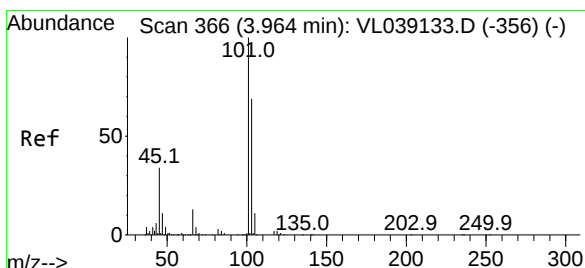
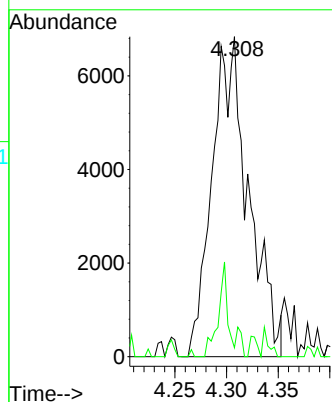
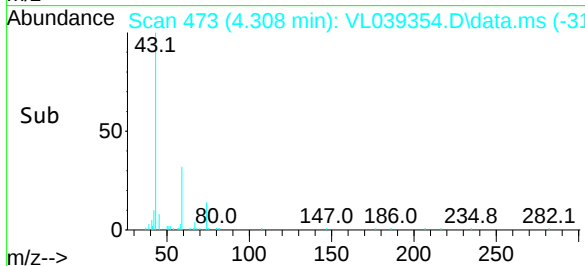
Instrument :
MSVOA_L
ClientSampleId :
IA-2



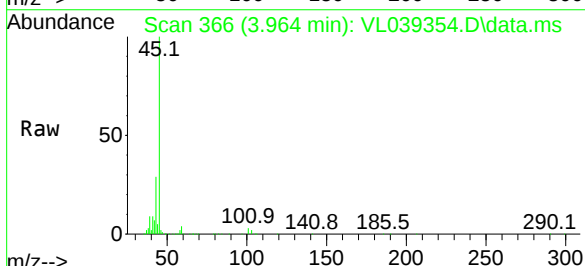
Tgt Ion: 59 Resp: 1672
Ion Ratio Lower Upper
59 100
57 0.0 9.1 13.7

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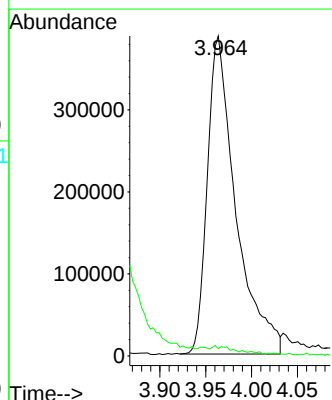
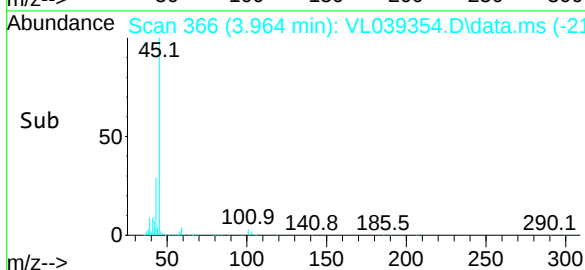
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022

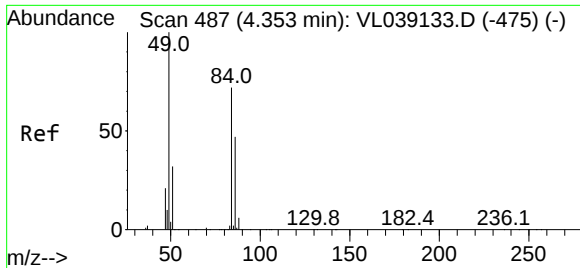


#19
Isopropyl Alcohol
Concen: 15.936 ppbv
RT: 3.964 min Scan# 366
Delta R.T. 0.000 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49



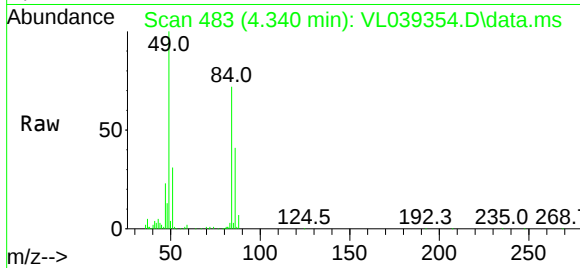
Tgt Ion: 45 Resp: 836956
Ion Ratio Lower Upper
45 100
58 4.1 1.8 2.8





#20
Methylene Chloride
Concen: 2.503 ppbv m
RT: 4.340 min Scan# 41
Delta R.T. -0.013 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

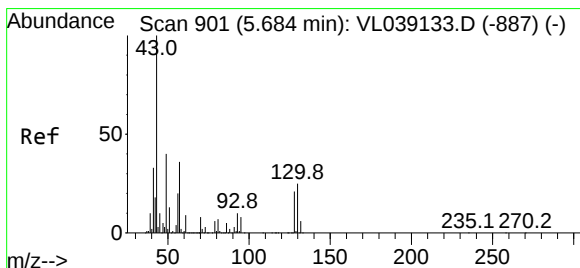
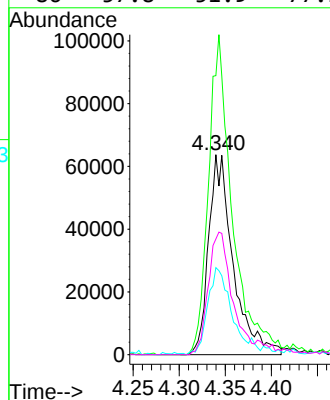
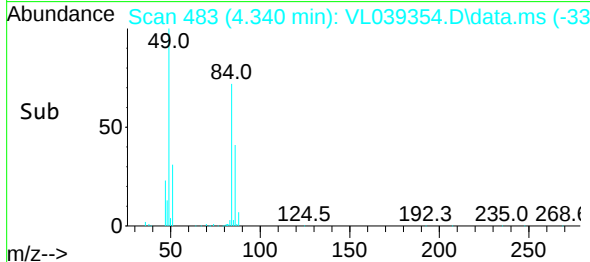
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 84 Resp: 118092
Ion Ratio Lower Upper
84 100
49 139.5 111.1 166.7
51 43.5 35.3 52.9
86 57.8 51.9 77.9

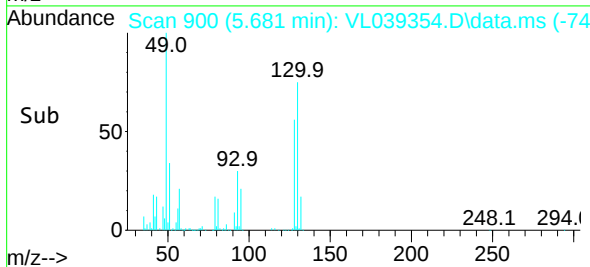
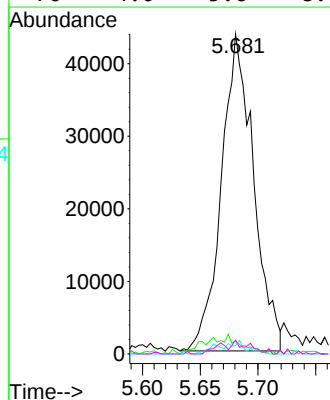
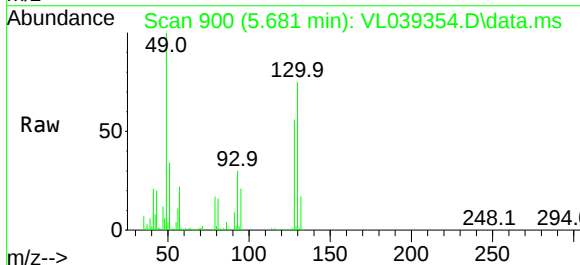
Manual Integrations
APPROVED

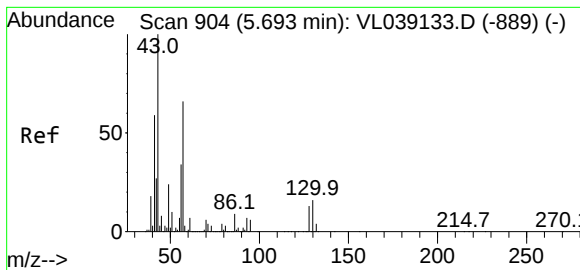
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#25
Ethyl Acetate
Concen: 0.335 ppbv
RT: 5.681 min Scan# 900
Delta R.T. -0.003 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

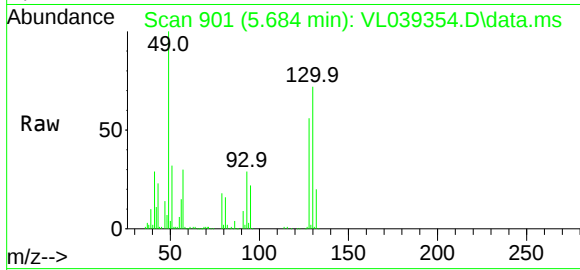
Tgt Ion: 43 Resp: 84531
Ion Ratio Lower Upper
43 100
45 6.9 8.2 12.2#
61 3.4 8.4 12.6#
70 4.0 5.6 8.4#





#26
Hexane
Concen: 0.889 ppbv
RT: 5.684 min Scan# 904
Delta R.T. -0.010 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

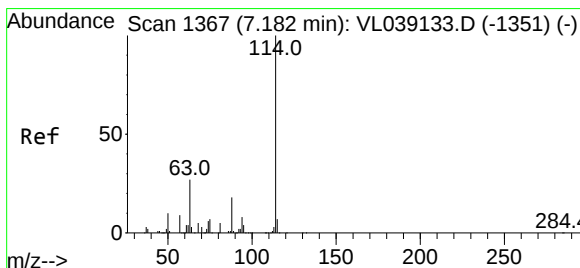
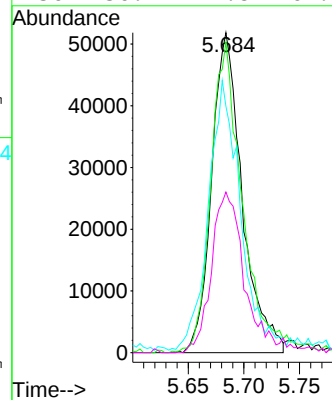
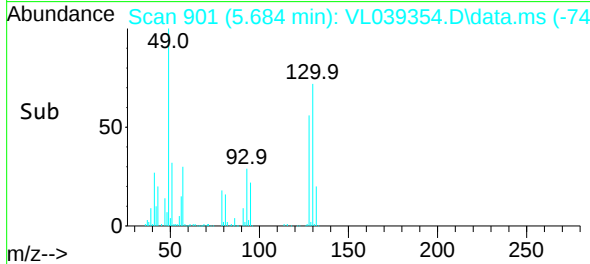
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 57 Resp: 9855
Ion Ratio Lower Upper
57 100
41 102.3 72.4 108.6
43 93.2 187.0 280.6
56 56.4 41.8 62.6

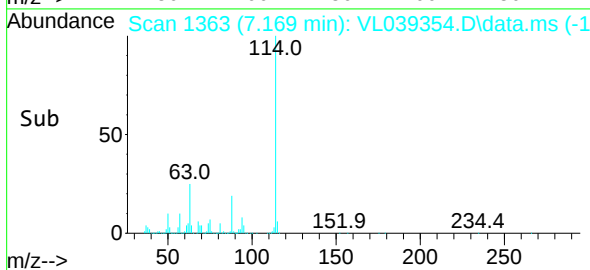
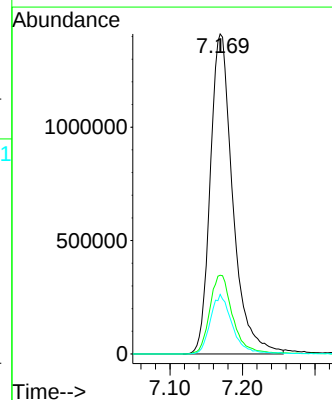
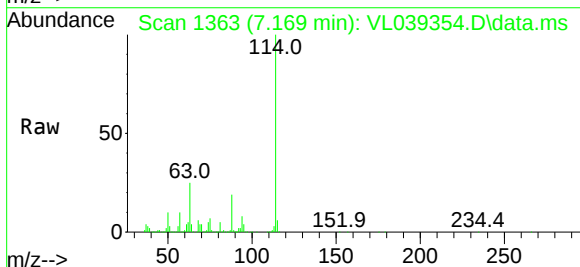
Manual Integrations
APPROVED

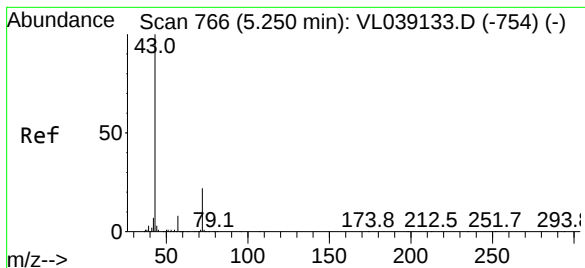
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.169 min Scan# 1363
Delta R.T. -0.013 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

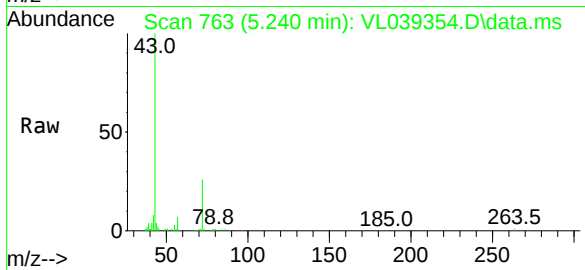
Tgt Ion:114 Resp: 3046573
Ion Ratio Lower Upper
114 100
63 25.4 21.7 32.5
88 18.2 14.8 22.2





#34
2-Butanone
Concen: 0.589 ppbv
RT: 5.240 min Scan# 766
Delta R.T. -0.010 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

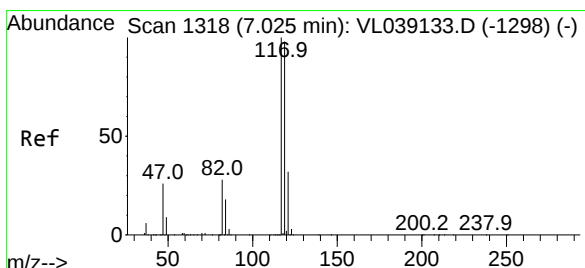
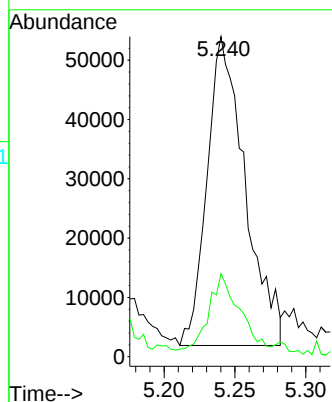
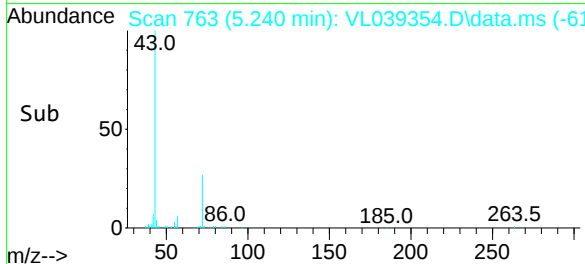
Instrument :
MSVOA_L
ClientSampleId :
IA-2



Tgt Ion: 43 Resp: 9745
Ion Ratio Lower Upper
43 100
72 28.1 18.2 27.2

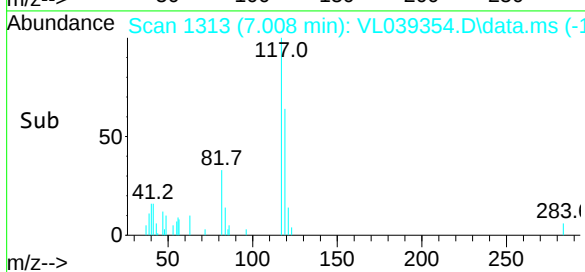
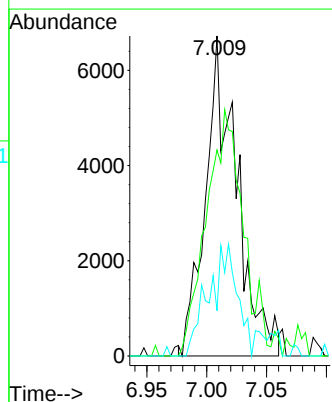
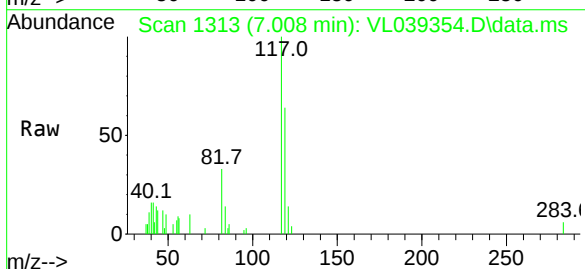
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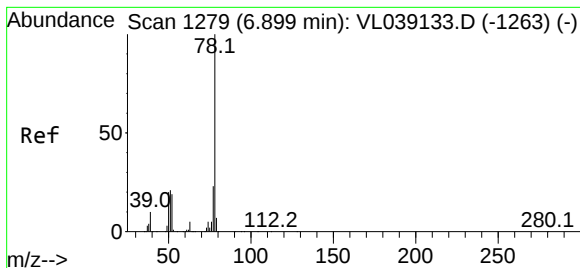
Reviewed By :Semsettin Yesilyurt 06/27/2022
Supervised By :Mahesh Dadoda 06/30/2022



#35
Carbon Tetrachloride
Concen: 0.055 ppbv m
RT: 7.008 min Scan# 1313
Delta R.T. -0.016 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

Tgt Ion:117 Resp: 12260
Ion Ratio Lower Upper
117 100
119 64.3 78.6 118.0#
121 14.2 25.4 38.0#





#36

Benzene

Concen: 0.125 ppbv m

RT: 6.890 min Scan# 1

Delta R.T. -0.010 min

Lab File: VL039354.D

Acq: 24 Jun 2022 23:49

Instrument :

MSVOA_L

ClientSampleId :

IA-2

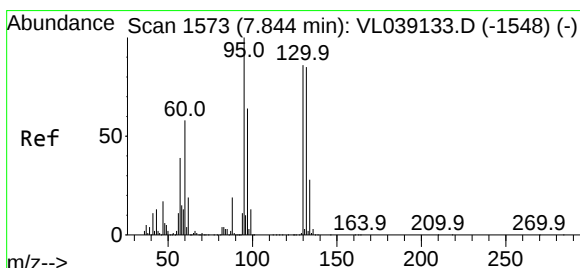
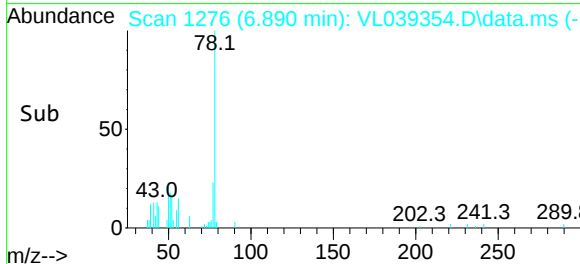
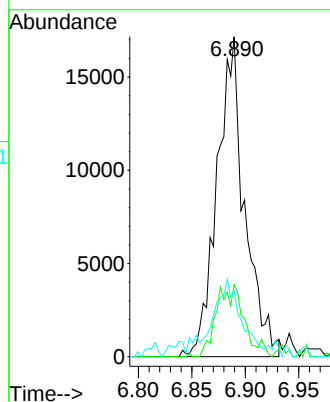
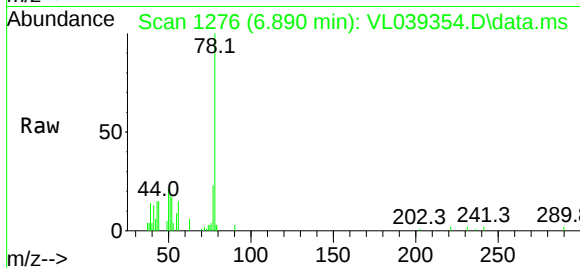
Tgt Ion: 78 Resp: 3081

Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.6	27.8
50	20.7	15.8	23.8

Manual Integrations

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



#38

Trichloroethene

Concen: 0.207 ppbv m

RT: 7.828 min Scan# 1568

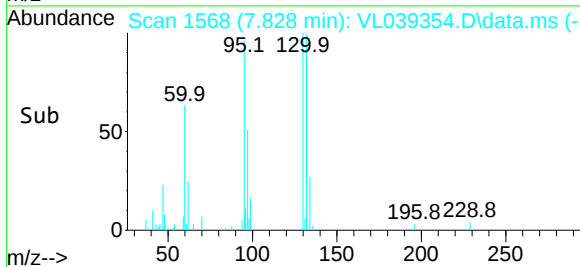
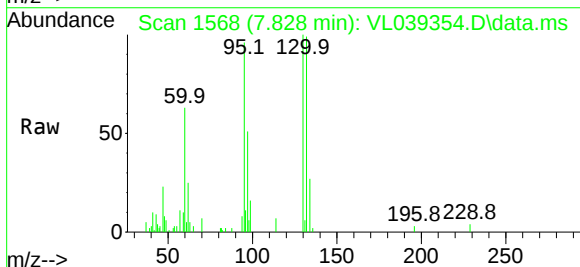
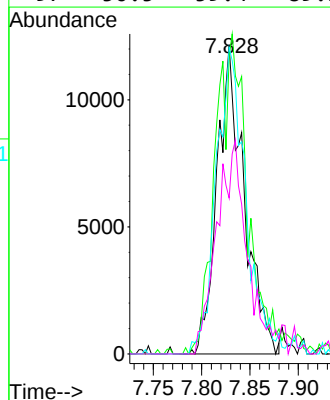
Delta R.T. -0.016 min

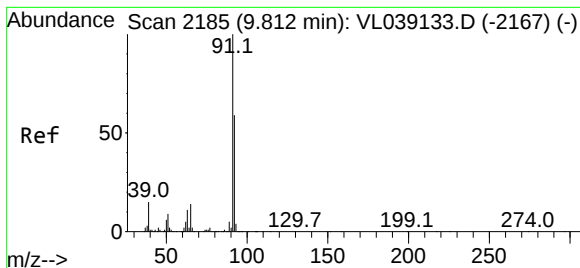
Lab File: VL039354.D

Acq: 24 Jun 2022 23:49

Tgt Ion:130 Resp: 23536

Ion	Ratio	Lower	Upper
130	100		
95	96.5	93.3	139.9
132	99.4	79.0	118.4
97	50.5	59.4	89.2





#53

Toluene

Concen: 0.382 ppbv

RT: 9.796 min Scan# 2185

Delta R.T. -0.016 min

Lab File: VL039354.D

Acq: 24 Jun 2022 23:49

Instrument :

MSVOA_L

ClientSampleId :

IA-2

Tgt Ion: 91 Resp: 108804

Ion Ratio Lower Upper

91 100

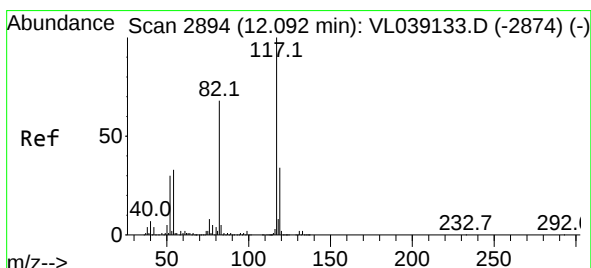
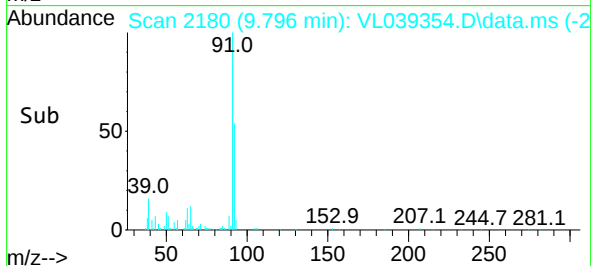
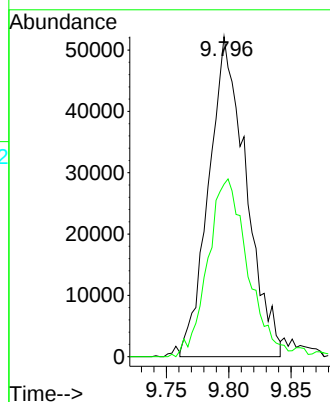
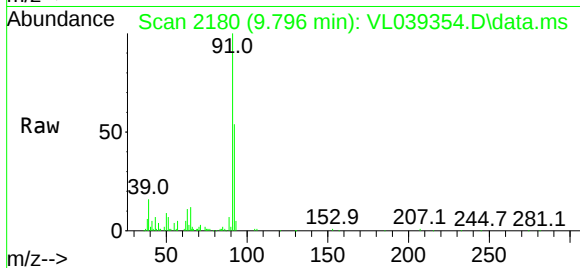
92 61.6 48.1 72.1

Manual Integrations

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Reviewed By :Semsettin Yesilyurt 06/27/2022

Supervised By :Mahesh Dadoda 06/30/2022



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.076 min Scan# 2889

Delta R.T. -0.016 min

Lab File: VL039354.D

Acq: 24 Jun 2022 23:49

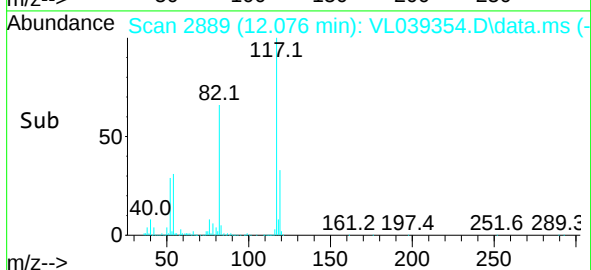
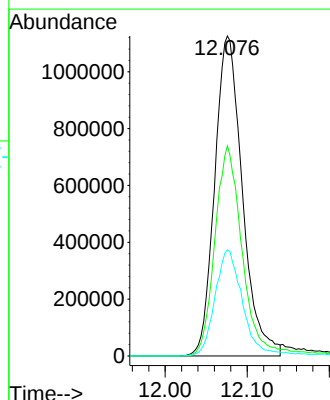
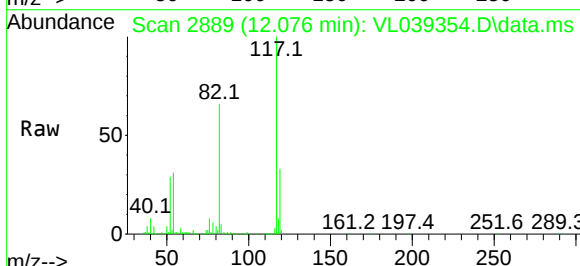
Tgt Ion:117 Resp: 2637753

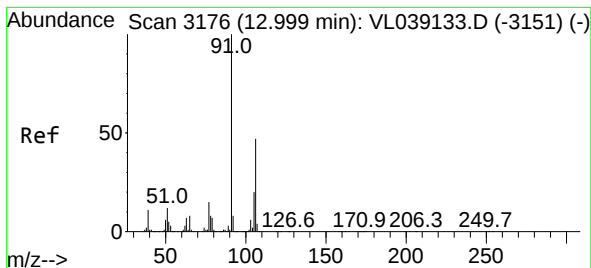
Ion Ratio Lower Upper

117 100

82 67.1 55.1 82.7

119 34.2 24.7 37.1





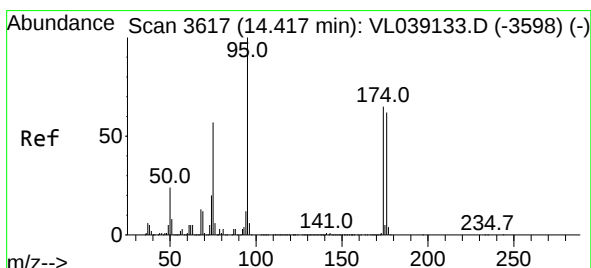
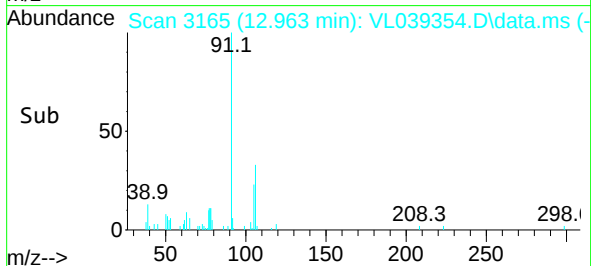
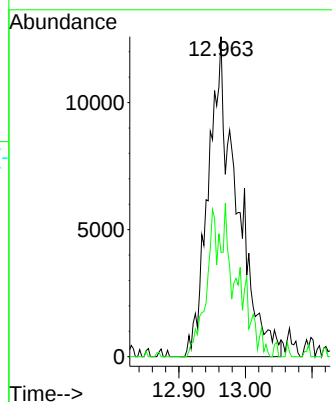
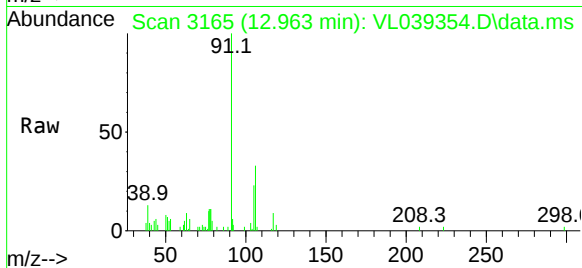
#59
m/p-Xylene
Concen: 0.117 ppbv m
RT: 12.963 min Scan# 3176
Delta R.T. -0.035 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

Instrument :
MSVOA_L
ClientSampleId :
IA-2

Tgt Ion: 91 Resp: 3729
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5

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



#68
1-Bromo-4-Fluorobenzene
Concen: 9.163 ppbv
RT: 14.404 min Scan# 3613
Delta R.T. -0.013 min
Lab File: VL039354.D
Acq: 24 Jun 2022 23:49

Tgt Ion: 95 Resp: 1998170
Ion Ratio Lower Upper
95 100
174 72.0 53.8 80.8
175 5.1 4.1 6.1

