

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
 Data File : VL039383.D
 Acq On : 28 Jun 2022 7:55
 Operator : SY/AP
 Sample : N3508-03 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-9-20220624

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022

Quant Time: Jun 28 08:48:17 2022

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

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 6

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	5.652	49	1017445	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.159	114	2960439	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.063	117	2740459	10.000	ppbv	-0.03
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.394	95	1993730	8.800	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.000%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.031	85	474489	2.655	ppbv	97
3) Chlorodifluoromethane	2.976	51	123326	0.953	ppbv	97
4) Chloromethane	3.124	50	11861m	0.178	ppbv	
9) Propene	2.992	41	113543	2.011	ppbv	95
10) Heptane	8.098	43	89818m	0.682	ppbv	
11) Trichlorofluoromethane	3.938	101	350845	2.169	ppbv	97
13) Ethanol	3.587	45	218274	70.904	ppbv #	100
15) Acetone	3.828	43	17482373	164.951	ppbv #	82
17) tert-Butyl alcohol	4.269	59	175218	2.131	ppbv	99
19) Isopropyl Alcohol	3.944	45	1720047	34.602	ppbv #	93
20) Methylene Chloride	4.330	84	347805	7.787	ppbv	89
26) Hexane	5.668	57	269068	2.563	ppbv #	34
27) Carbon Disulfide	4.536	76	74177	0.682	ppbv #	92
34) 2-Butanone	5.224	43	1233332	7.668	ppbv	99
36) Benzene	6.870	78	72856m	0.303	ppbv	
51) 2-Hexanone	10.111	43	242370m	1.294	ppbv	
53) Toluene	9.783	91	55287	0.200	ppbv	98
59) m/p-Xylene	12.944	91	65305m	0.196	ppbv	
60) o-Xylene	13.670	91	37953	0.122	ppbv	99
74) 1,2,4-Trimethylbenzene	16.741	105	52882m	0.144	ppbv	

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

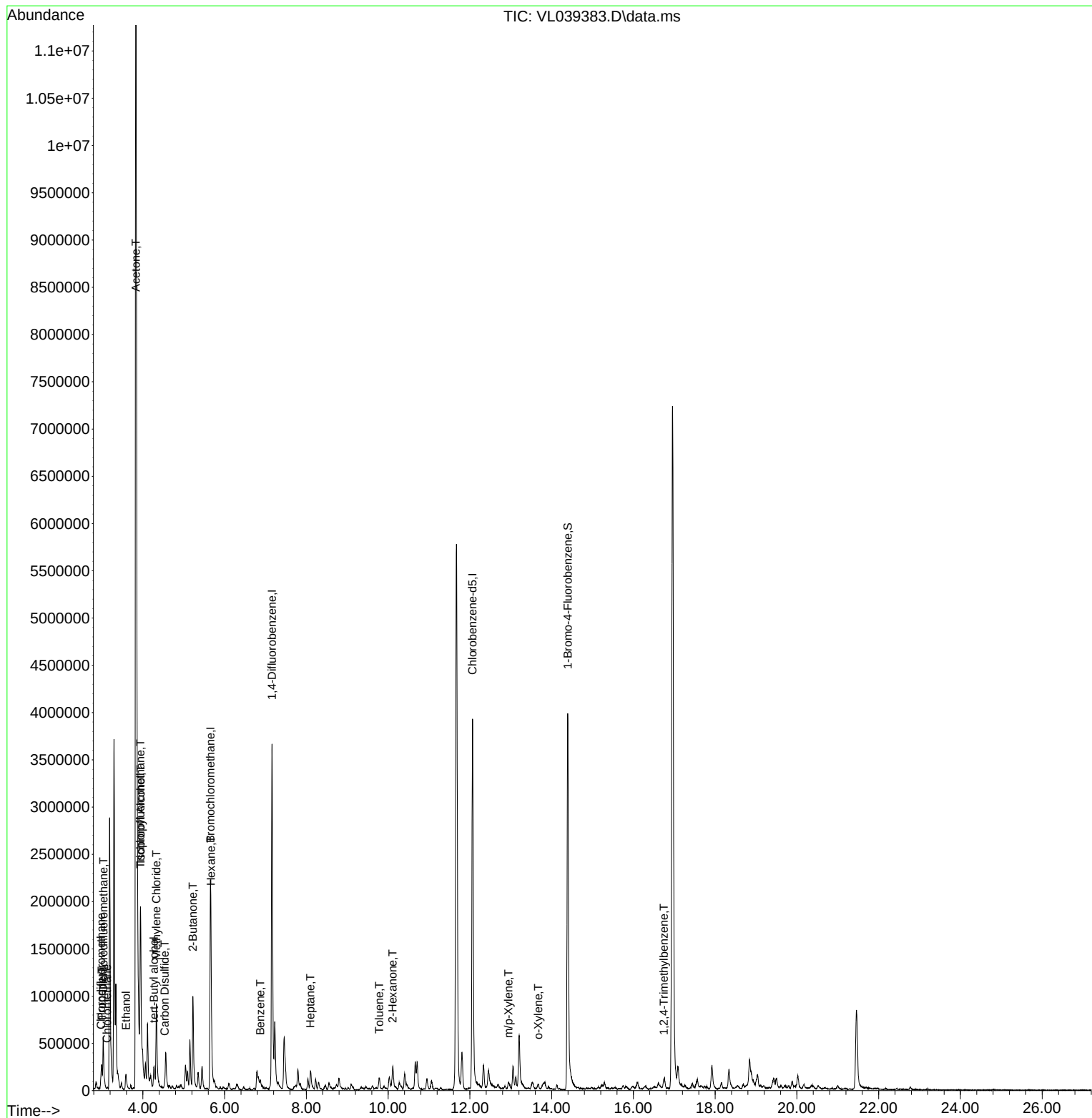
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
Data File : VL039383.D
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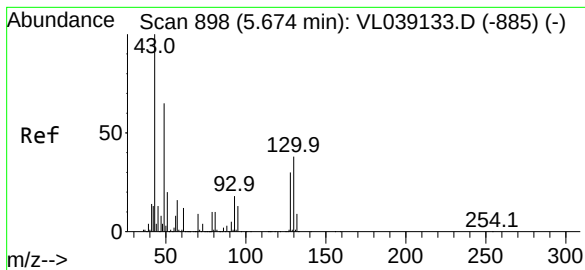
Instrument :
MSVOA_L
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SV-9-20220624

Quant Time: Jun 28 08:48:17 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
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Manual Integrations
APPROVED

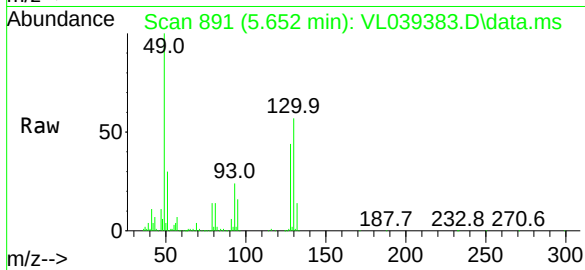
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.652 min Scan# 89
Delta R.T. -0.023 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

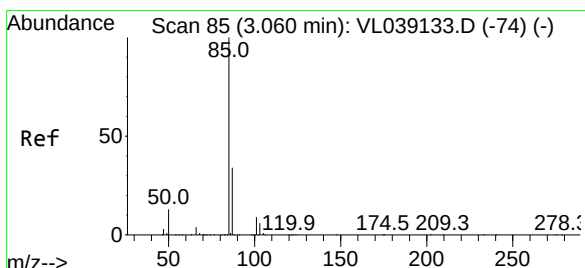
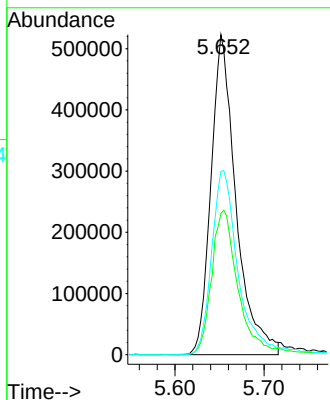
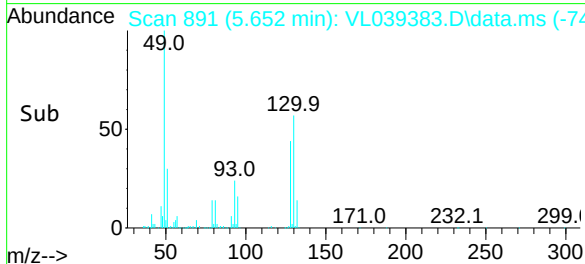
Instrument :
MSVOA_L
ClientSampleId :
SV-9-20220624



Tgt Ion: 49 Resp: 101744
Ion Ratio Lower Upper
49 100
128 49.5 24.7 74.1
130 62.7 31.4 94.0

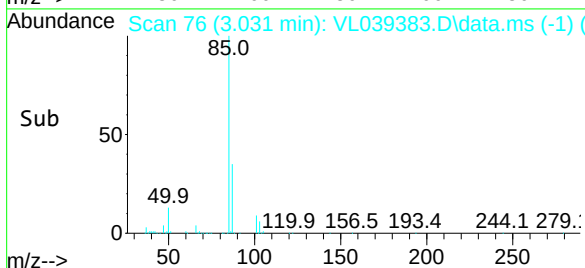
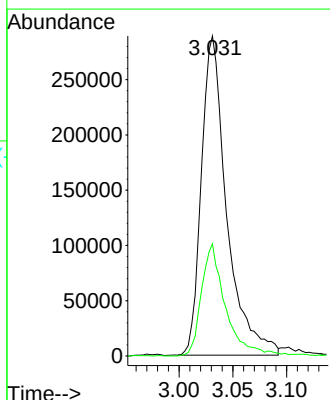
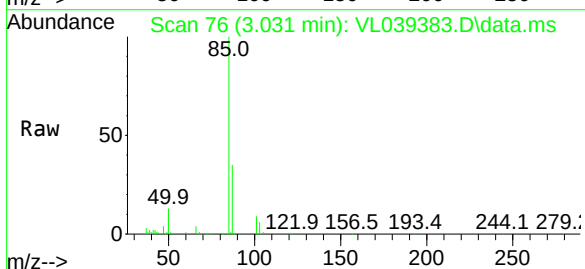
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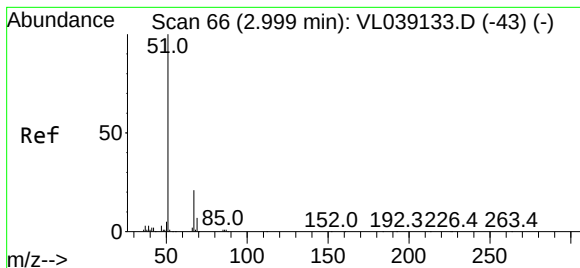
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#2
Dichlorodifluoromethane
Concen: 2.655 ppbv
RT: 3.031 min Scan# 76
Delta R.T. -0.029 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

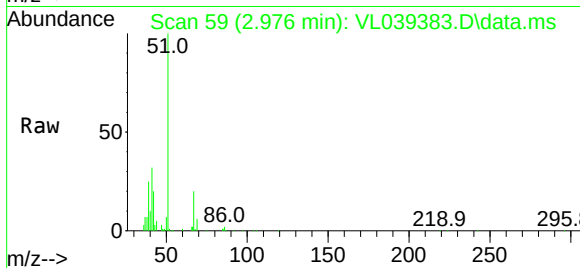
Tgt Ion: 85 Resp: 474489
Ion Ratio Lower Upper
85 100
87 35.1 26.9 40.3





#3
Chlorodifluoromethane
Concen: 0.953 ppbv
RT: 2.976 min Scan# 51
Delta R.T. -0.023 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

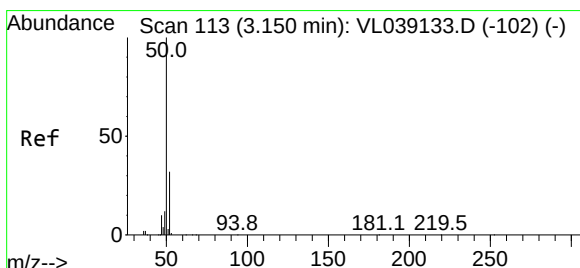
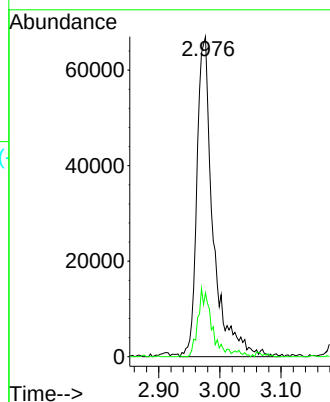
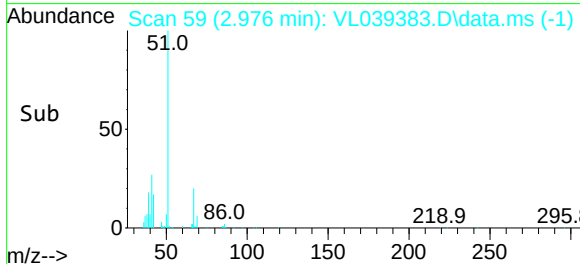
Instrument :
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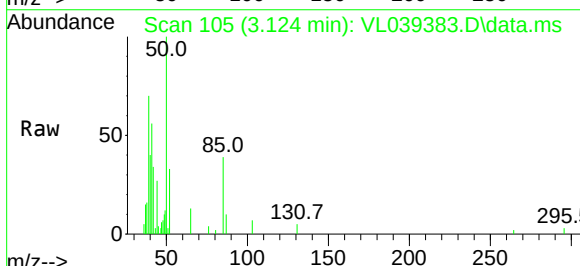
Tgt Ion: 51 Resp: 123320
Ion Ratio Lower Upper
51 100
67 19.1 16.2 24.4

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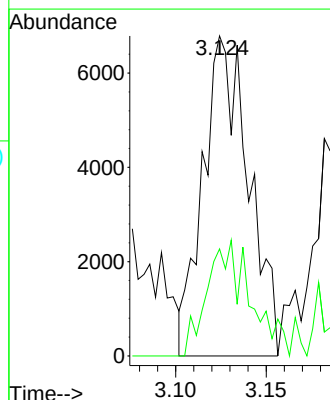
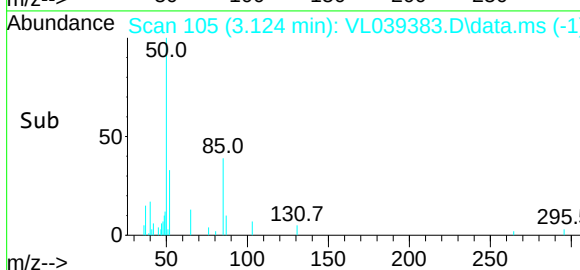
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

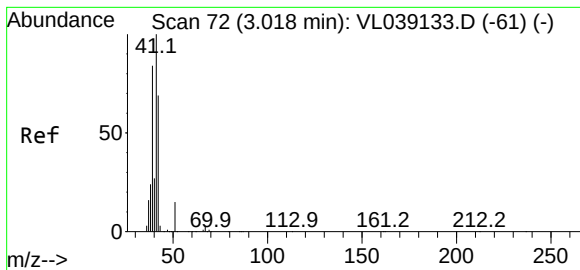


#4
Chloromethane
Concen: 0.178 ppbv m
RT: 3.124 min Scan# 105
Delta R.T. -0.026 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55



Tgt Ion: 50 Resp: 11861
Ion Ratio Lower Upper
50 100
52 33.4 25.9 38.9





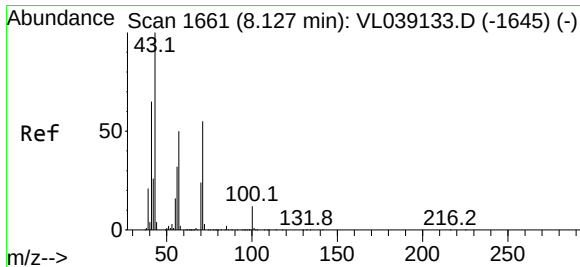
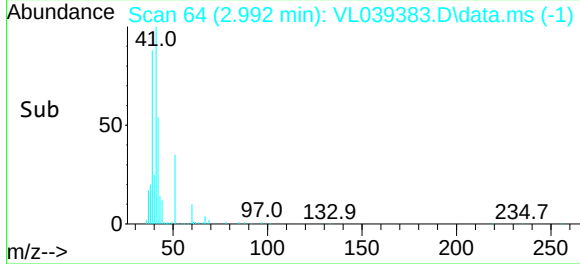
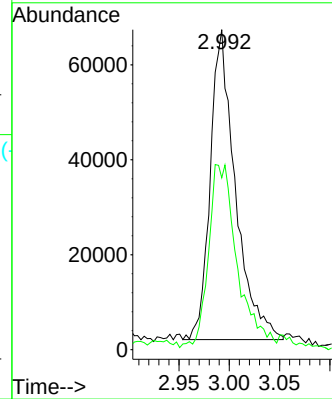
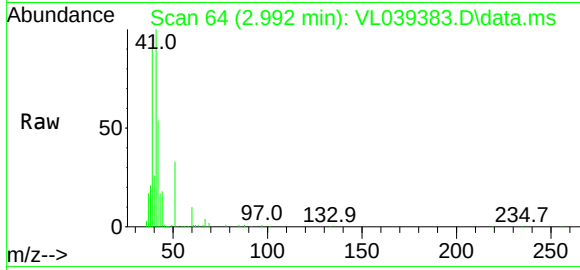
#9
 Propene
 Concen: 2.011 ppbv
 RT: 2.992 min Scan# 64
 Delta R.T. -0.026 min
 Lab File: VL039383.D
 Acq: 28 Jun 2022 7:55

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-9-20220624

Tgt Ion: 41 Resp: 11354
 Ion Ratio Lower Upper
 41 100
 42 73.5 55.4 83.2

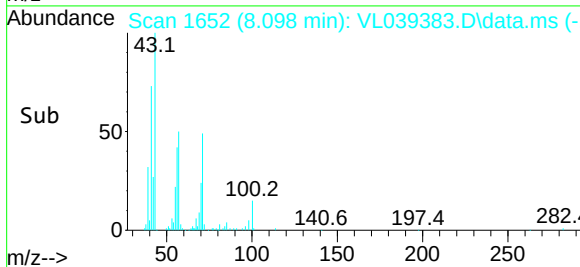
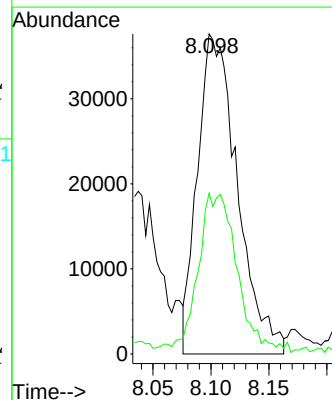
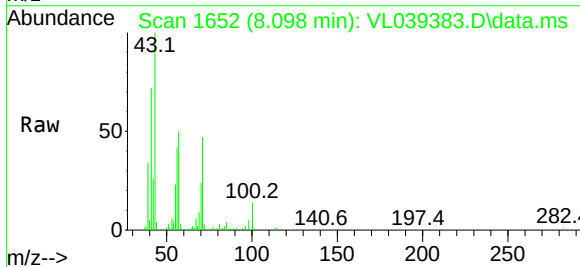
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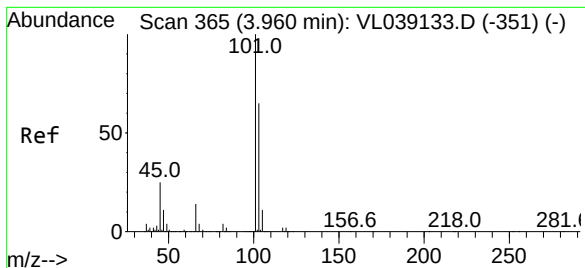
Reviewed By :Semsettin Yesilyurt 06/29/2022
 Supervised By :Mahesh Dadoda 06/30/2022



#10
 Heptane
 Concen: 0.682 ppbv m
 RT: 8.098 min Scan# 1652
 Delta R.T. -0.029 min
 Lab File: VL039383.D
 Acq: 28 Jun 2022 7:55

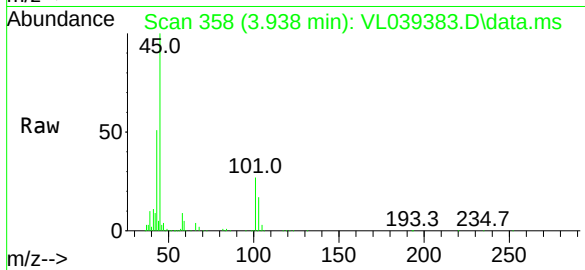
Tgt Ion: 43 Resp: 89818
 Ion Ratio Lower Upper
 43 100
 57 48.6 41.4 62.2





#11
Trichlorofluoromethane
Concen: 2.169 ppbv
RT: 3.938 min Scan# 31
Delta R.T. -0.023 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

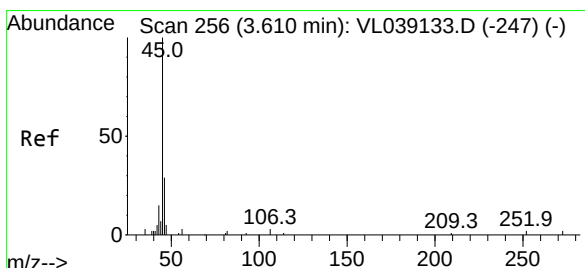
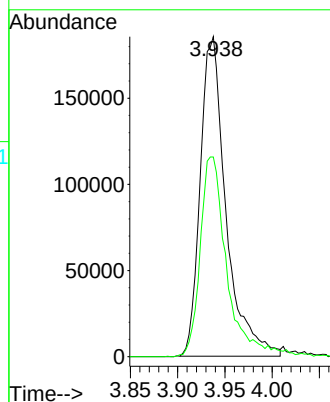
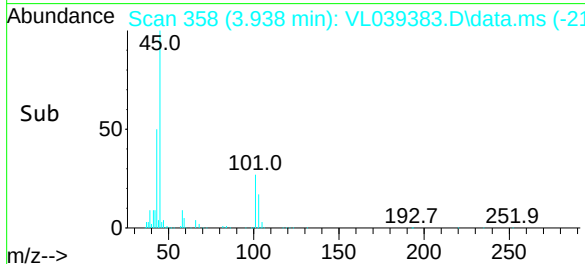
Instrument :
MSVOA_L
ClientSampleId :
SV-9-20220624



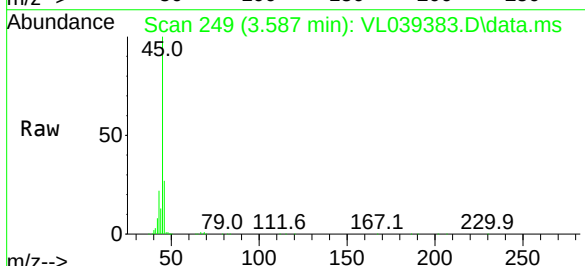
Tgt Ion:101 Resp: 35084
Ion Ratio Lower Upper
101 100
103 61.9 51.7 77.5

Manual Integrations
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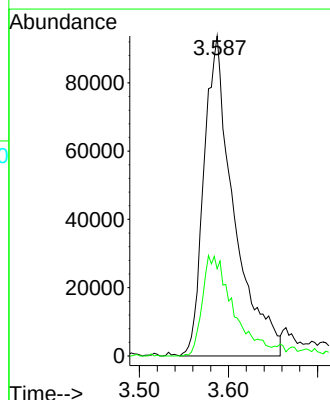
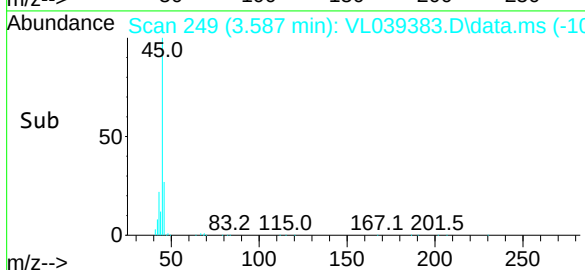
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

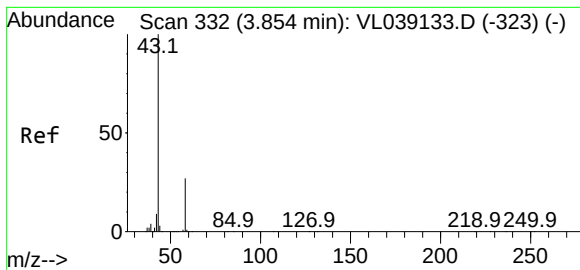


#13
Ethanol
Concen: 70.904 ppbv
RT: 3.587 min Scan# 249
Delta R.T. -0.023 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55



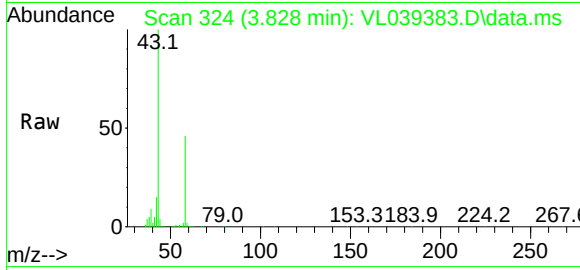
Tgt Ion: 45 Resp: 218274
Ion Ratio Lower Upper
45 100
46 34.3 0.0 0.0#





#15
Acetone
Concen: 164.951 ppbv
RT: 3.828 min Scan# 31
Delta R.T. -0.026 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

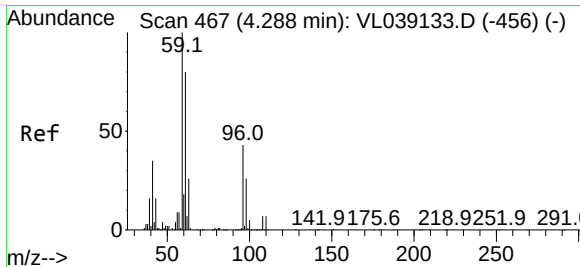
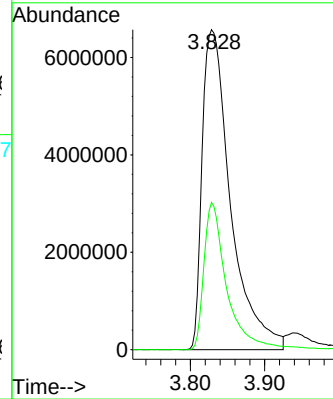
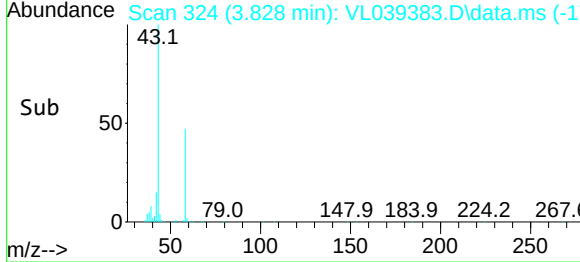
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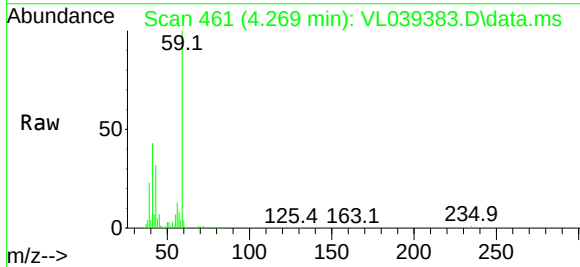
Tgt Ion: 43 Resp:1748237
Ion Ratio Lower Upper
43 100
58 37.7 22.5 33.7

Manual Integrations
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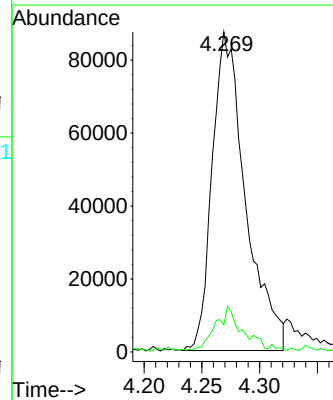
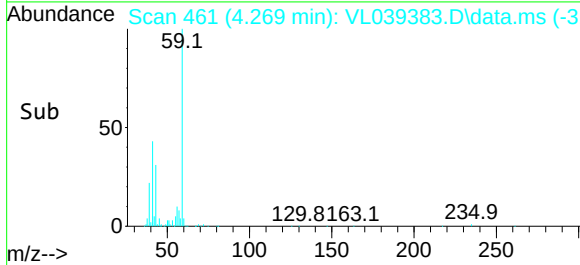
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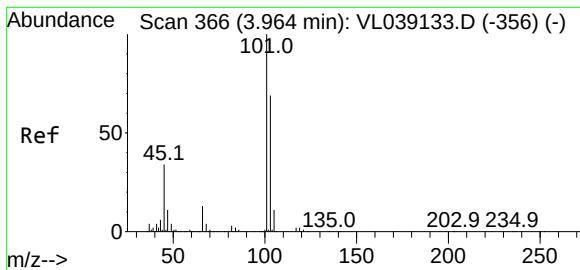


#17
tert-Butyl alcohol
Concen: 2.131 ppbv
RT: 4.269 min Scan# 461
Delta R.T. -0.019 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55



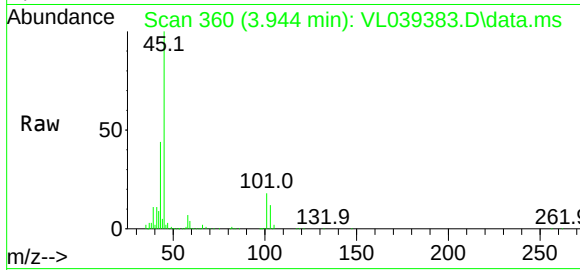
Tgt Ion: 59 Resp: 175218
Ion Ratio Lower Upper
59 100
57 11.7 9.1 13.7





#19
Isopropyl Alcohol
Concen: 34.602 ppbv
RT: 3.944 min Scan# 30
Delta R.T. -0.019 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

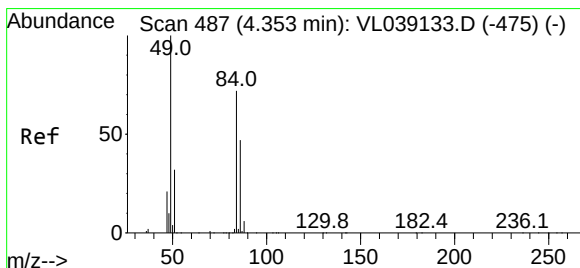
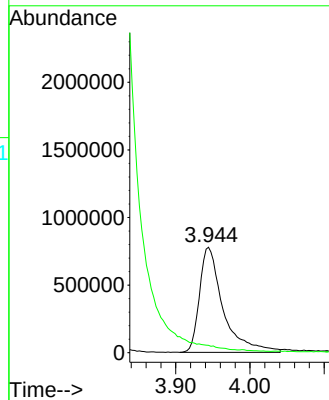
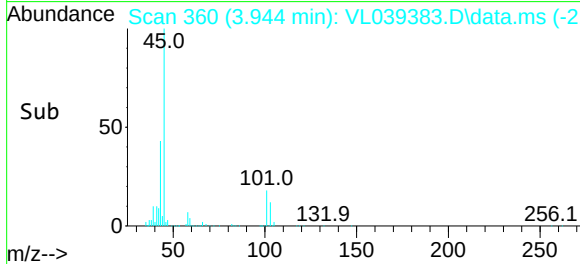
Instrument :
MSVOA_L
ClientSampleId :
SV-9-20220624



Tgt Ion: 45 Resp: 172004
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8

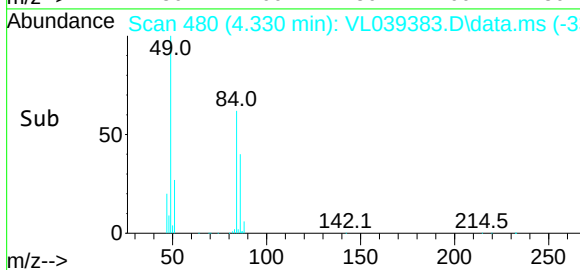
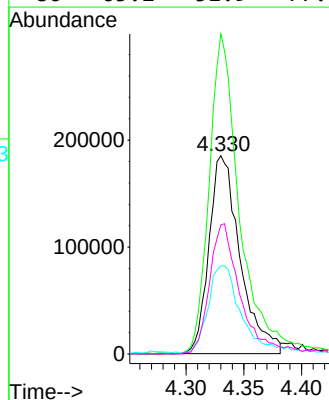
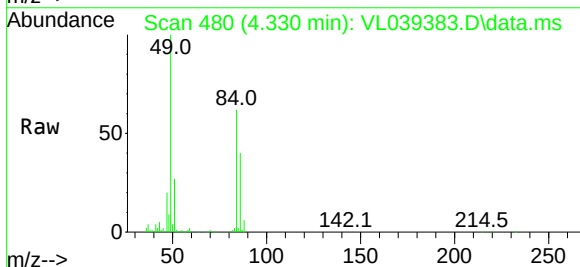
Manual Integrations
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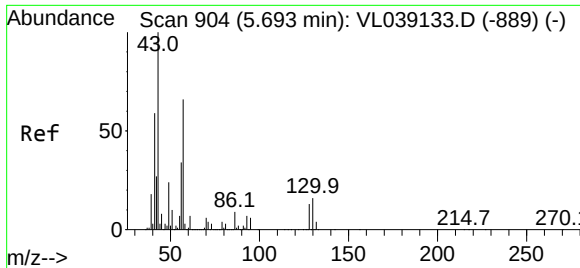
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#20
Methylene Chloride
Concen: 7.787 ppbv
RT: 4.330 min Scan# 480
Delta R.T. -0.023 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

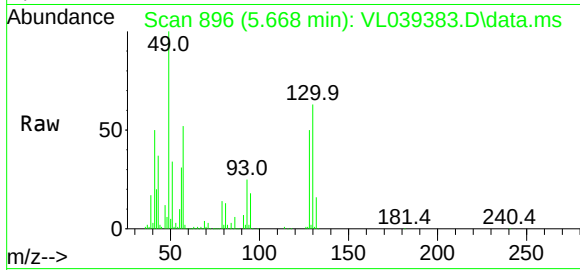
Tgt Ion: 84 Resp: 347805
Ion Ratio Lower Upper
84 100
49 161.3 111.1 166.7
51 43.8 35.3 52.9
86 65.2 51.9 77.9





#26
Hexane
Concen: 2.563 ppbv
RT: 5.668 min Scan# 896
Delta R.T. -0.026 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

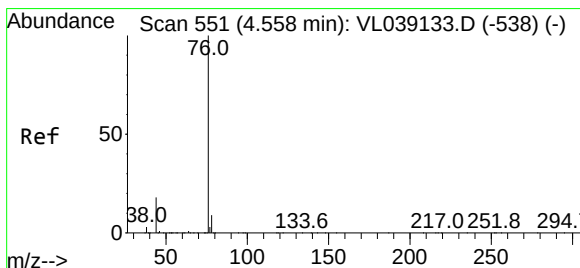
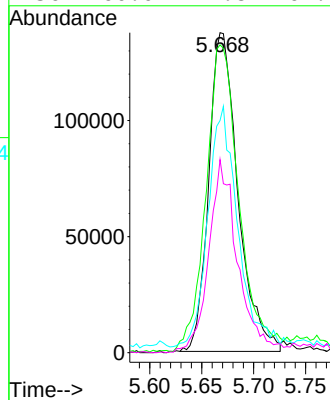
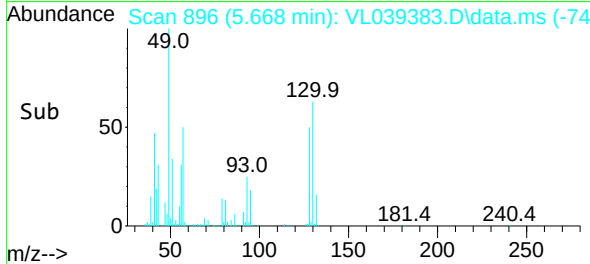
Instrument : MSVOA_L
ClientSampleId : SV-9-20220624



Tgt Ion: 57 Resp: 269068
Ion Ratio Lower Upper
57 100
41 116.6 72.4 108.6
43 79.4 187.0 280.6
56 60.0 41.8 62.6

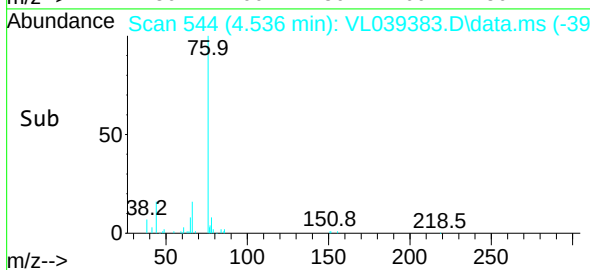
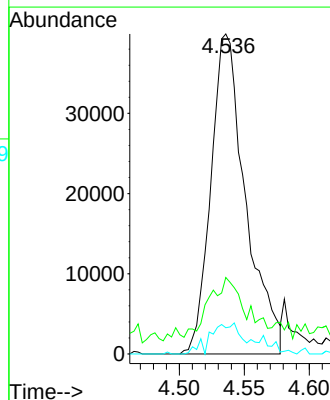
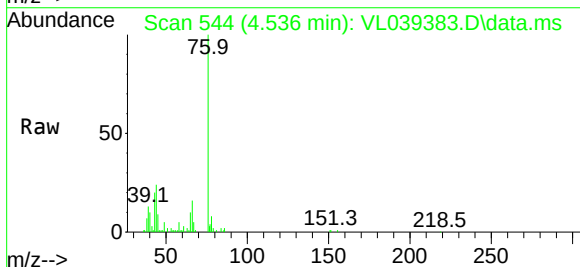
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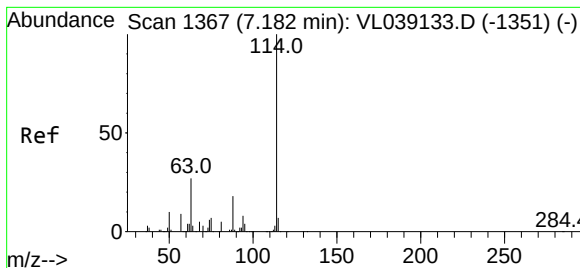
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#27
Carbon Disulfide
Concen: 0.682 ppbv
RT: 4.536 min Scan# 544
Delta R.T. -0.023 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

Tgt Ion: 76 Resp: 74177
Ion Ratio Lower Upper
76 100
44 22.3 14.4 21.6#
78 11.7 7.7 11.5#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.159 min Scan# 114

Delta R.T. -0.023 min

Lab File: VL039383.D

Acq: 28 Jun 2022 7:55

Instrument :

MSVOA_L

ClientSampleId :

SV-9-20220624

Tgt Ion:114 Resp: 2960439

Ion Ratio Lower Upper

114 100

63 25.0 21.7 32.5

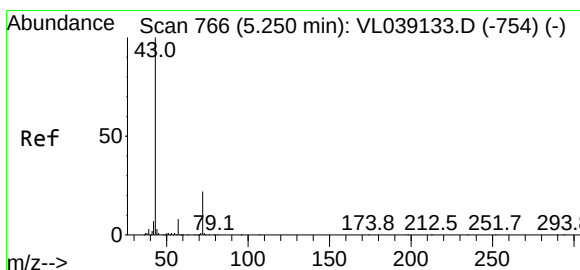
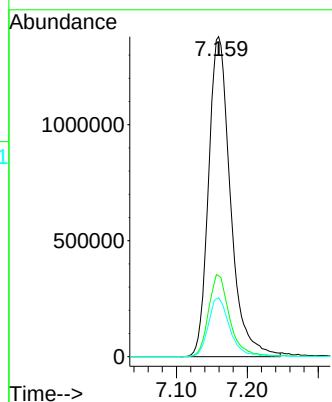
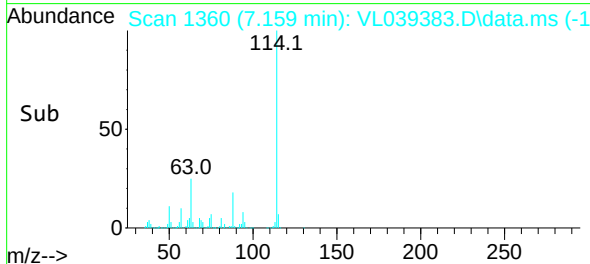
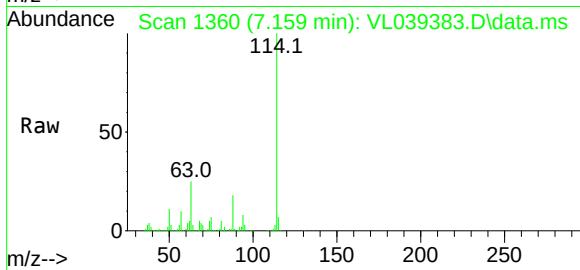
88 18.1 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022

Supervised By :Mahesh Dadoda 06/30/2022



#34

2-Butanone

Concen: 7.668 ppbv

RT: 5.224 min Scan# 758

Delta R.T. -0.026 min

Lab File: VL039383.D

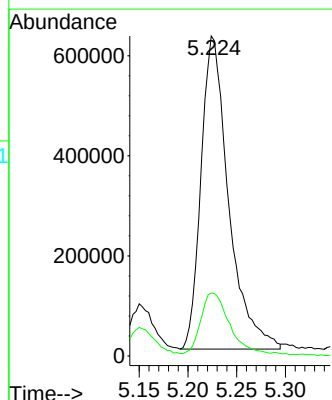
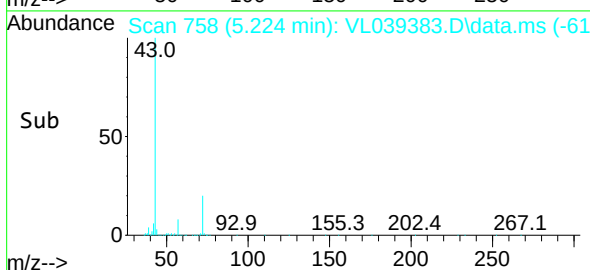
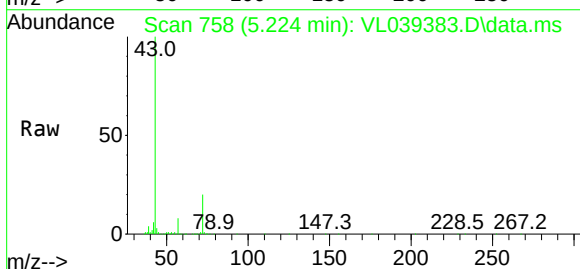
Acq: 28 Jun 2022 7:55

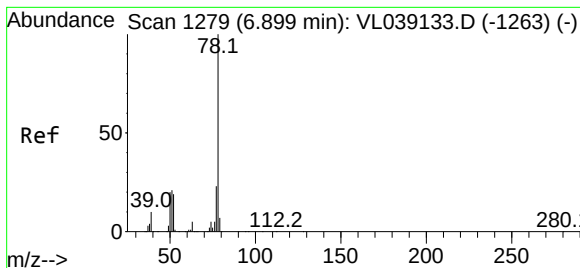
Tgt Ion: 43 Resp: 1233332

Ion Ratio Lower Upper

43 100

72 22.2 18.2 27.2





#36

Benzene

Concen: 0.303 ppbv m

RT: 6.870 min Scan# 1

Delta R.T. -0.029 min

Lab File: VL039383.D

Acq: 28 Jun 2022 7:55

Instrument :

MSVOA_L

ClientSampleId :

SV-9-20220624

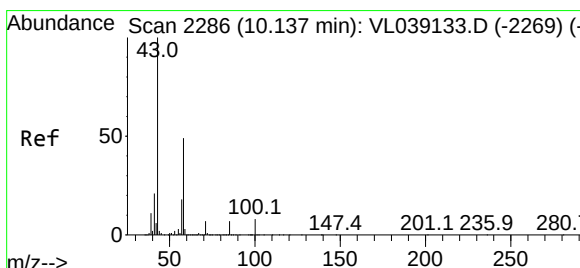
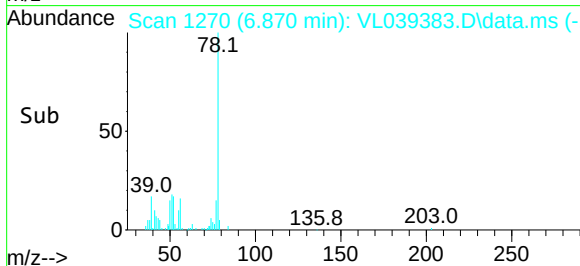
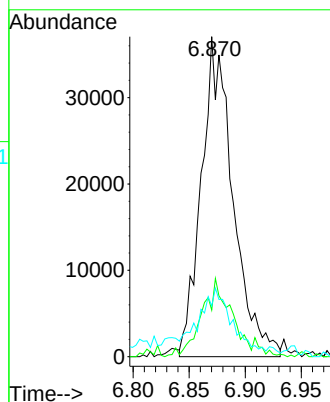
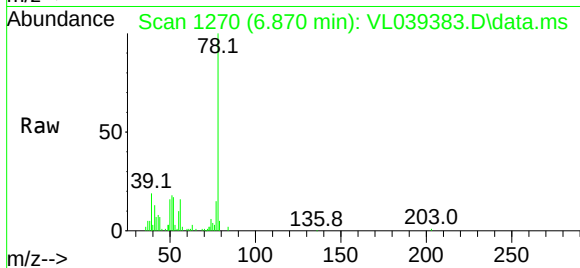
Tgt Ion: 78 Resp: 72850

Ion	Ratio	Lower	Upper
78	100		
77	14.6	18.6	27.8
50	15.8	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#51

2-Hexanone

Concen: 1.294 ppbv m

RT: 10.111 min Scan# 2278

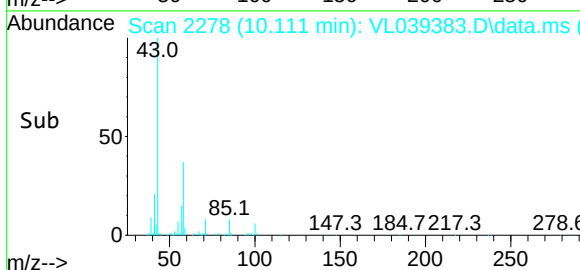
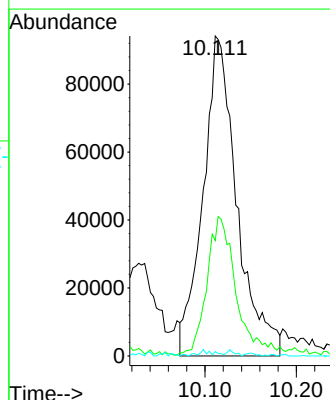
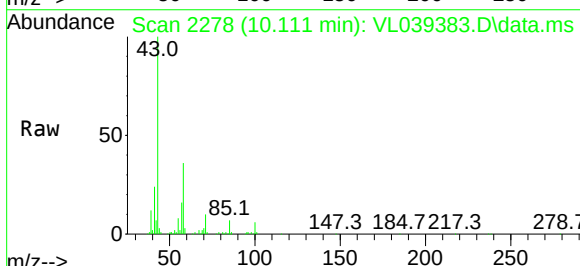
Delta R.T. -0.026 min

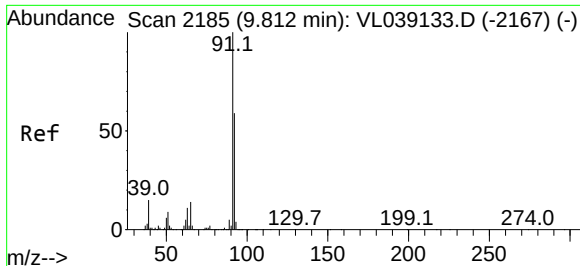
Lab File: VL039383.D

Acq: 28 Jun 2022 7:55

Tgt Ion: 43 Resp: 242370

Ion	Ratio	Lower	Upper
43	100		
58	38.7	40.0	60.0#
98	0.7	0.1	0.1#





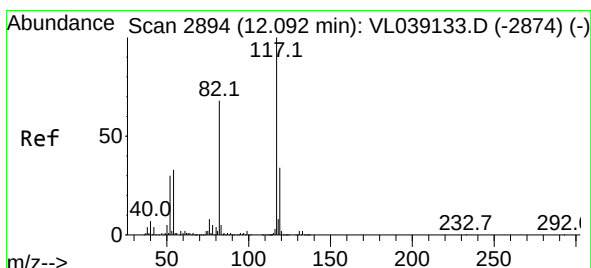
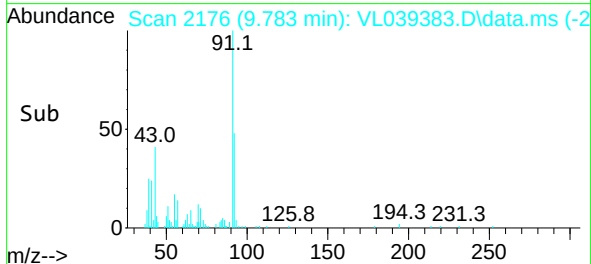
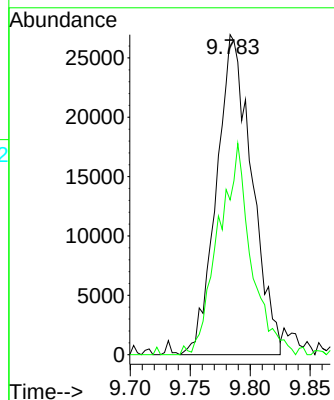
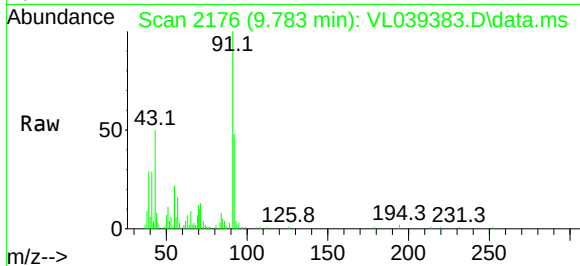
#53
Toluene
Concen: 0.200 ppbv
RT: 9.783 min Scan# 2185
Delta R.T. -0.029 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

Instrument : MSVOA_L
ClientSampleId : SV-9-20220624

Tgt Ion: 91 Resp: 5528
Ion Ratio Lower Upper
91 100
92 61.6 48.1 72.1

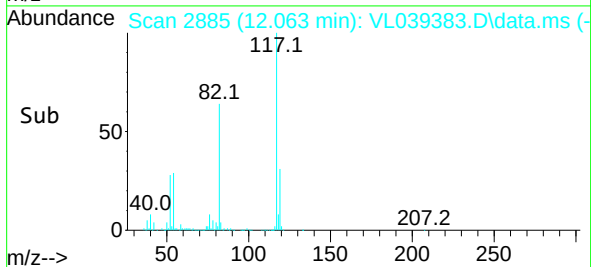
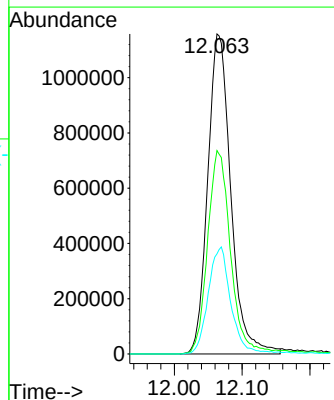
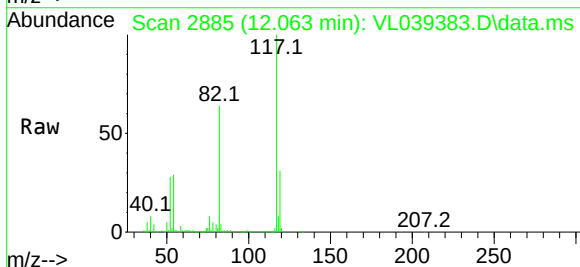
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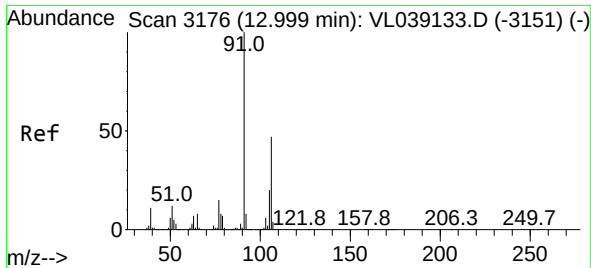
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.063 min Scan# 2885
Delta R.T. -0.029 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

Tgt Ion:117 Resp: 2740459
Ion Ratio Lower Upper
117 100
82 64.7 55.1 82.7
119 33.4 24.7 37.1





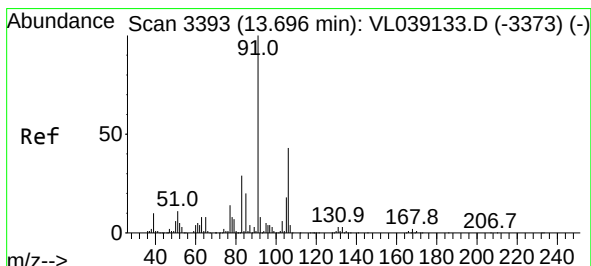
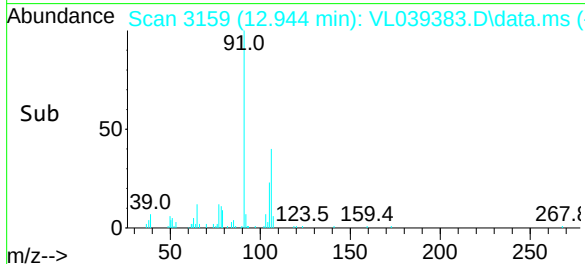
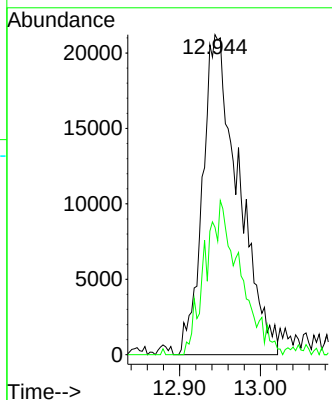
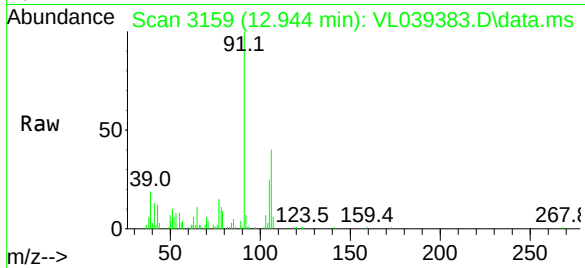
#59
m/p-Xylene
Concen: 0.196 ppbv m
RT: 12.944 min Scan# 3176
Delta R.T. -0.055 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

Instrument :
MSVOA_L
ClientSampleId :
SV-9-20220624

Tgt Ion: 91 Resp: 6530
Ion Ratio Lower Upper
91 100
106 0.0 34.3 51.5

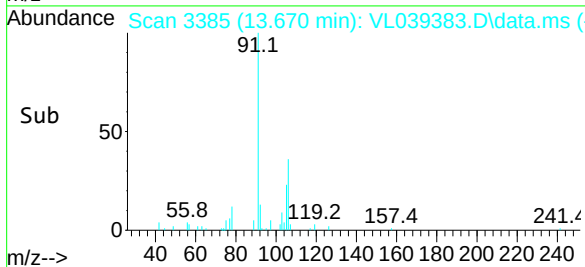
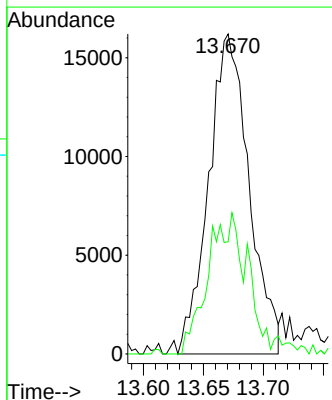
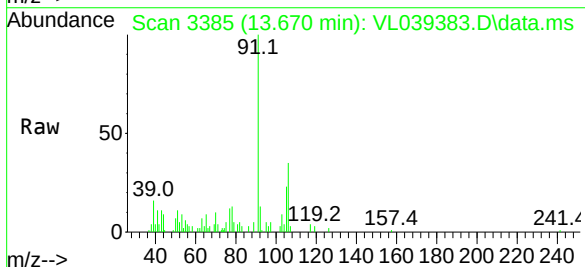
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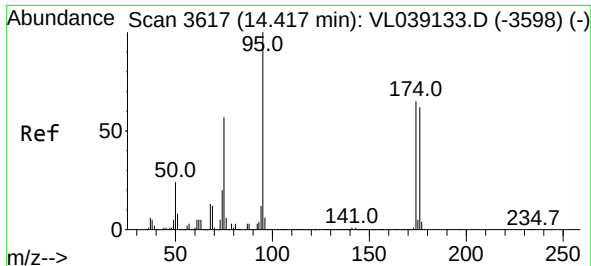
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#60
o-Xylene
Concen: 0.122 ppbv
RT: 13.670 min Scan# 3385
Delta R.T. -0.026 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

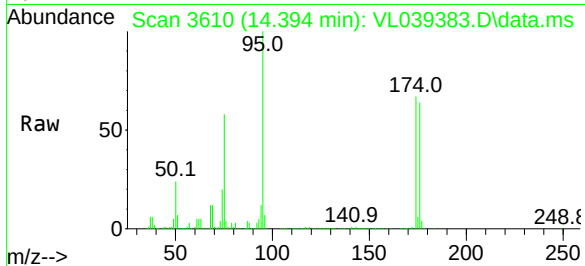
Tgt Ion: 91 Resp: 37953
Ion Ratio Lower Upper
91 100
106 45.2 22.3 66.9





#68
1-Bromo-4-Fluorobenzene
Concen: 8.800 ppbv
RT: 14.394 min Scan# 3610
Delta R.T. -0.023 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55

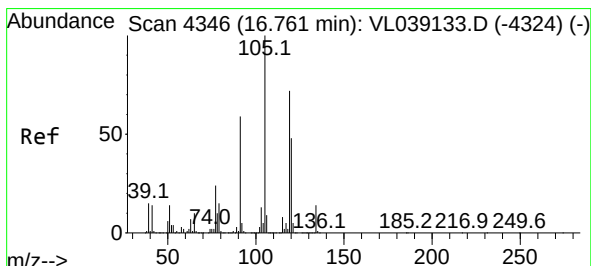
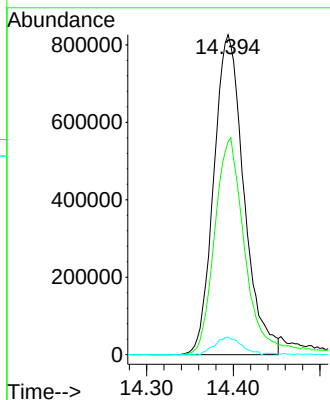
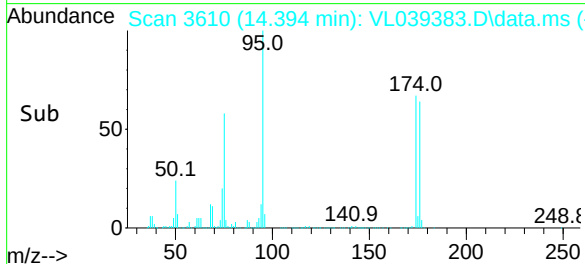
Instrument :
MSVOA_L
ClientSampleId :
SV-9-20220624



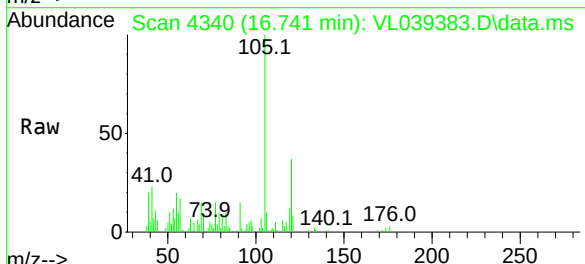
Tgt Ion: 95 Resp: 1993730
Ion Ratio Lower Upper
95 100
174 70.5 53.8 80.8
175 5.2 4.1 6.1

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#74
1,2,4-Trimethylbenzene
Concen: 0.144 ppbv m
RT: 16.741 min Scan# 4340
Delta R.T. -0.019 min
Lab File: VL039383.D
Acq: 28 Jun 2022 7:55



Tgt Ion:105 Resp: 52882
Ion Ratio Lower Upper
105 100
120 36.6 38.1 57.1#
91 14.7 47.4 71.0#
77 14.9 19.5 29.3#

