

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
 Data File : VL039381.D
 Acq On : 28 Jun 2022 6:32
 Operator : SY/AP
 Sample : N3508-02 4X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-6-20220624

Manual Integrations
 APPROVED

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

Quant Time: Jun 28 08:47:52 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	5.658	49	1020521	10.000	ppbv	-0.02
33) 1,4-Difluorobenzene	7.166	114	2917481	10.000	ppbv	-0.02
55) Chlorobenzene-d5	12.069	117	2654162	10.000	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.397	95	1961946	8.941	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	3.028	85	20510m	0.114	ppbv	
4) Chloromethane	3.134	50	18012m	0.270	ppbv	
9) Propene	2.999	41	21785m	0.385	ppbv	
10) Heptane	8.102	43	23914m	0.181	ppbv	
13) Ethanol	3.600	45	196467	63.628	ppbv #	100
15) Acetone	3.835	43	7892509	74.243	ppbv	94
17) tert-Butyl alcohol	4.279	59	116256m	1.410	ppbv	
19) Isopropyl Alcohol	3.954	45	1403332	28.145	ppbv #	93
20) Methylene Chloride	4.333	84	139428	3.112	ppbv	90
26) Hexane	5.674	57	71345m	0.678	ppbv	
27) Carbon Disulfide	4.539	76	14770m	0.135	ppbv	
34) 2-Butanone	5.237	43	425750	2.686	ppbv	98
51) 2-Hexanone	10.124	43	41122m	0.223	ppbv	
52) Tetrachloroethene	11.208	164	13288m	0.144	ppbv	
53) Toluene	9.796	91	61661m	0.226	ppbv	
59) m/p-Xylene	12.950	91	93186m	0.289	ppbv	
60) o-Xylene	13.677	91	36067m	0.119	ppbv	

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

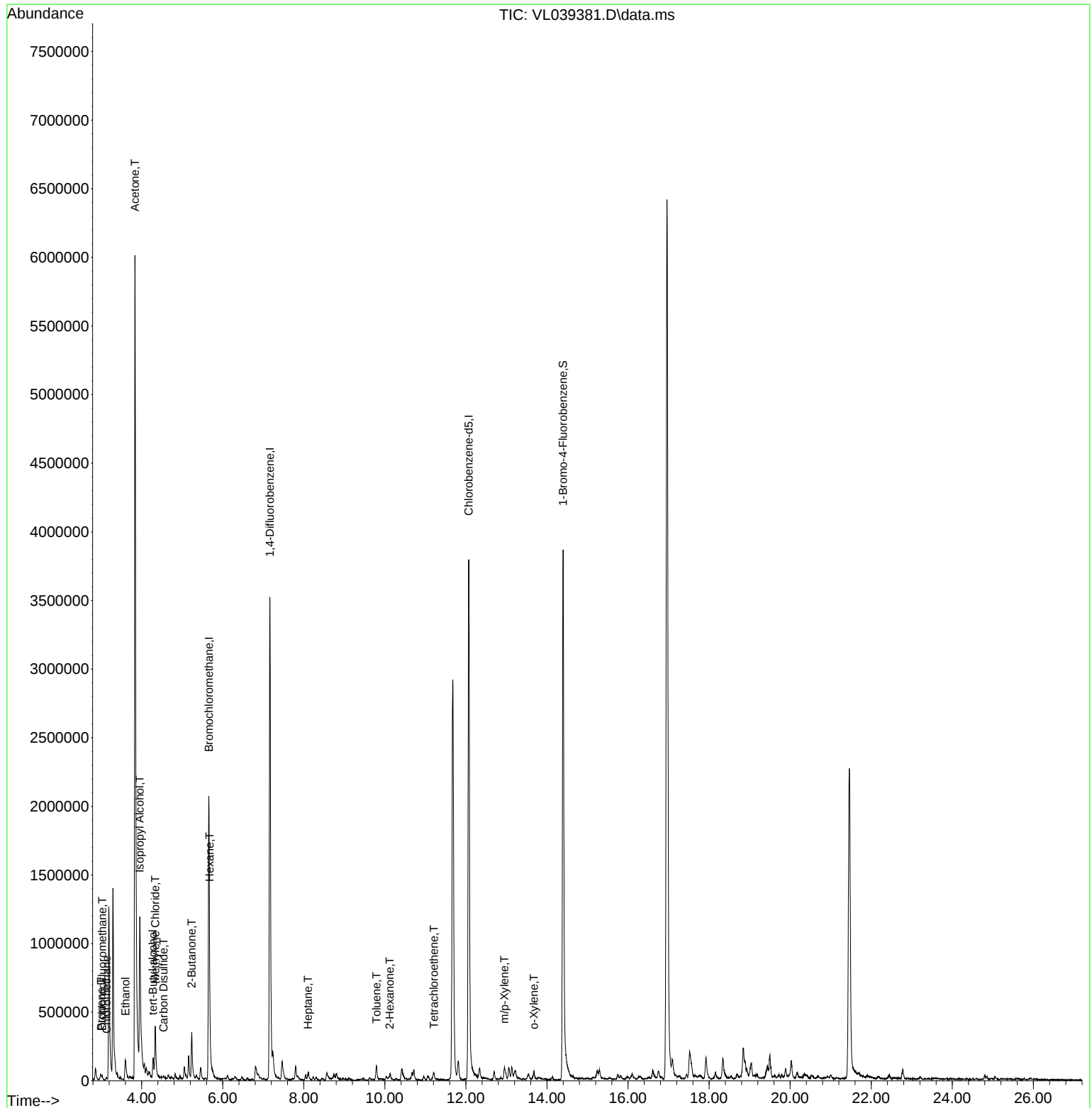
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062722\
Data File : VL039381.D
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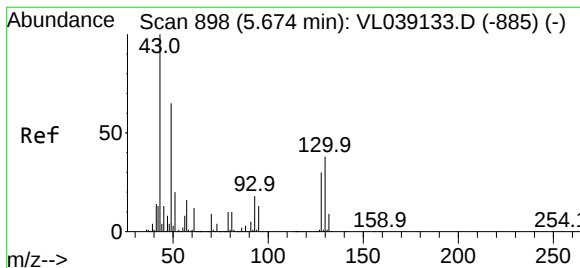
Instrument :
MSVOA_L
ClientSampleId :
SV-6-20220624

Quant Time: Jun 28 08:47:52 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
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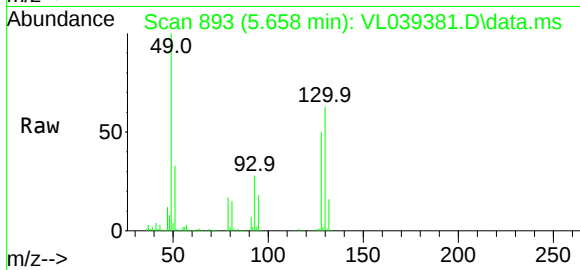
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.658 min Scan# 893
Delta R.T. -0.016 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32

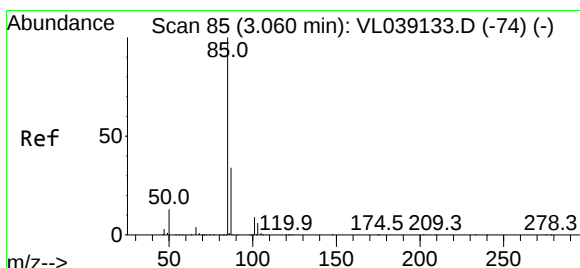
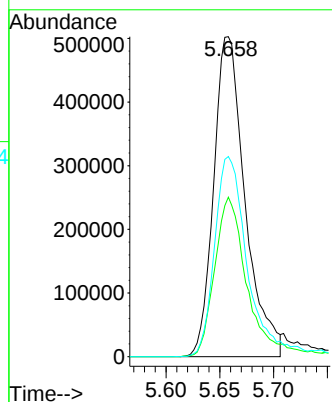
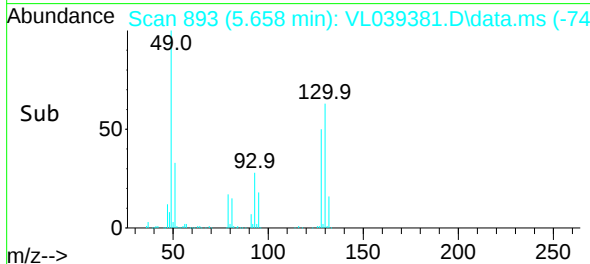
Instrument :
MSVOA_L
ClientSampleId :
SV-6-20220624



Tgt Ion: 49 Resp: 102052
Ion Ratio Lower Upper
49 100
128 53.3 24.7 74.1
130 68.7 31.4 94.0

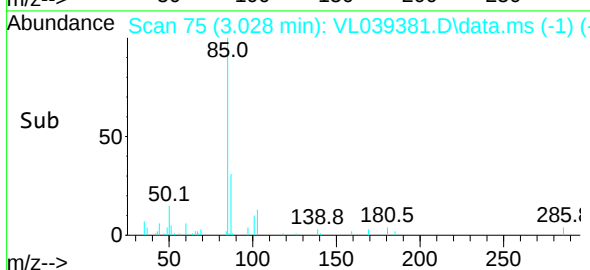
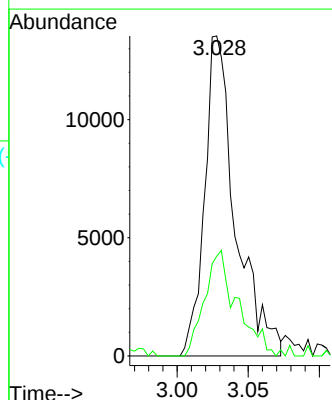
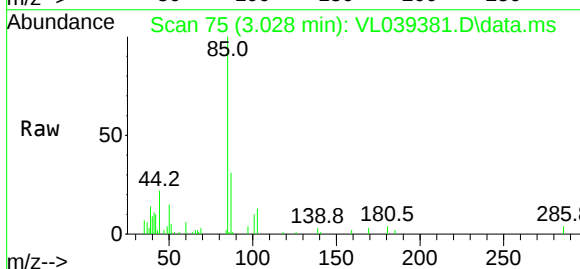
Manual Integrations
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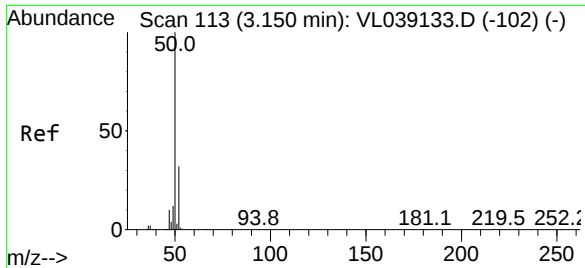
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#2
Dichlorodifluoromethane
Concen: 0.114 ppbv m
RT: 3.028 min Scan# 75
Delta R.T. -0.032 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32

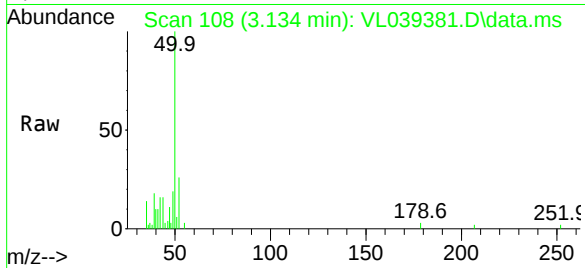
Tgt Ion: 85 Resp: 20510
Ion Ratio Lower Upper
85 100
87 31.1 26.9 40.3





#4
Chloromethane
Concen: 0.270 ppbv m
RT: 3.134 min Scan# 108
Delta R.T. -0.016 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32

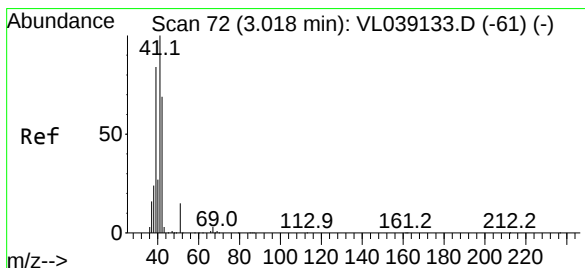
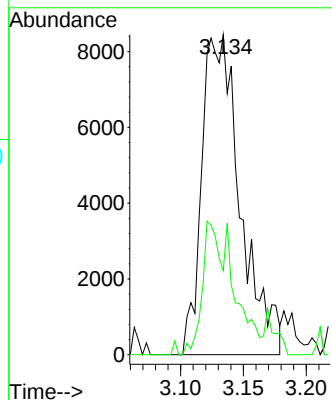
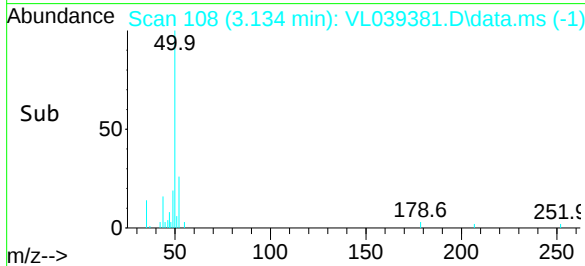
Instrument :
MSVOA_L
ClientSampleId :
SV-6-20220624



Tgt Ion: 50 Resp: 1801
Ion Ratio Lower Upper
50 100
52 26.2 25.9 38.9

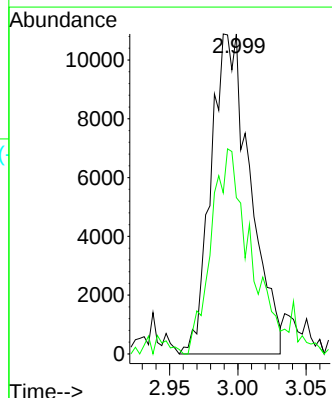
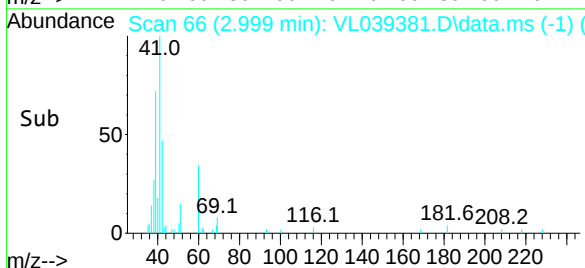
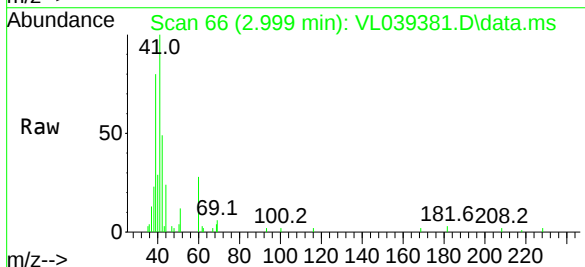
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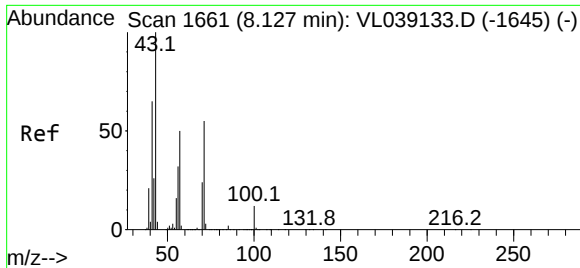
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#9
Propene
Concen: 0.385 ppbv m
RT: 2.999 min Scan# 66
Delta R.T. -0.019 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32

Tgt Ion: 41 Resp: 21785
Ion Ratio Lower Upper
41 100
42 68.1 55.4 83.2





#10

Heptane

Concen: 0.181 ppbv m

RT: 8.102 min Scan# 1

Delta R.T. -0.026 min

Lab File: VL039381.D

Acq: 28 Jun 2022 6:32

Instrument :

MSVOA_L

ClientSampleId :

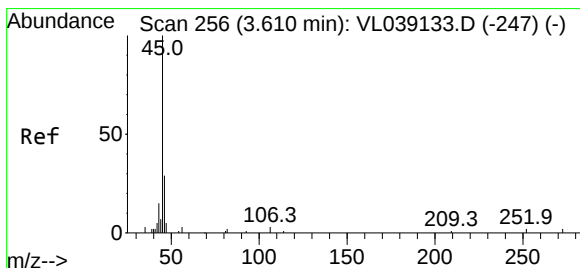
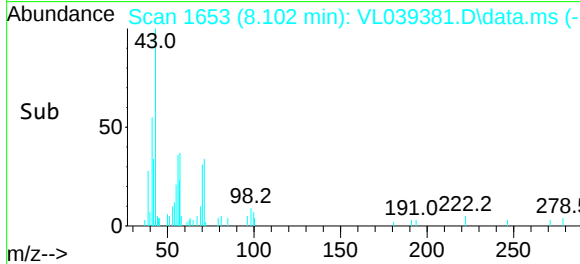
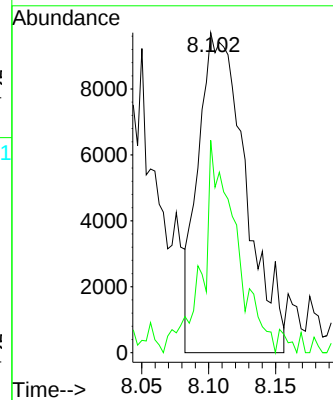
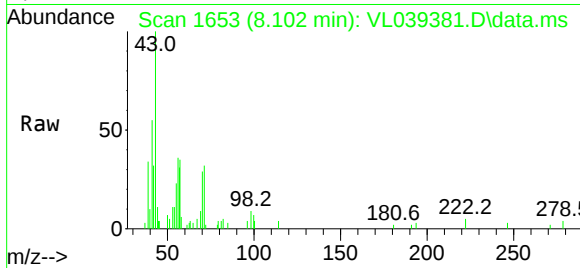
SV-6-20220624

Tgt Ion: 43 Resp: 23914
 Ion Ratio Lower Upper
 43 100
 57 48.9 41.4 62.2

Manual Integrations

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



#13

Ethanol

Concen: 63.628 ppbv

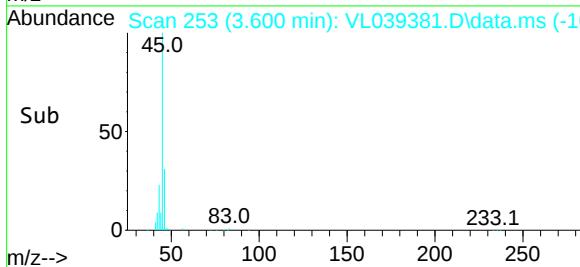
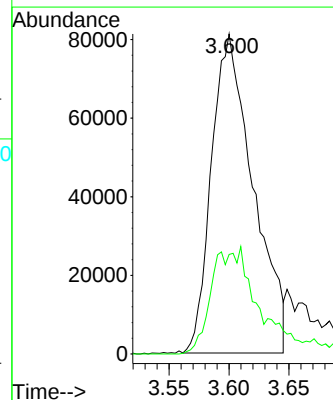
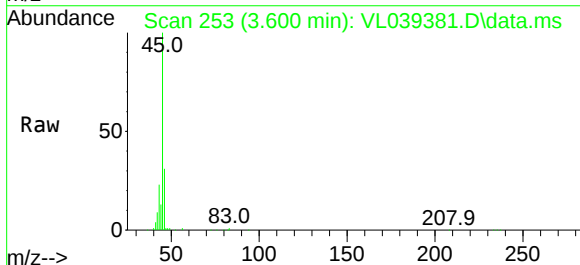
RT: 3.600 min Scan# 253

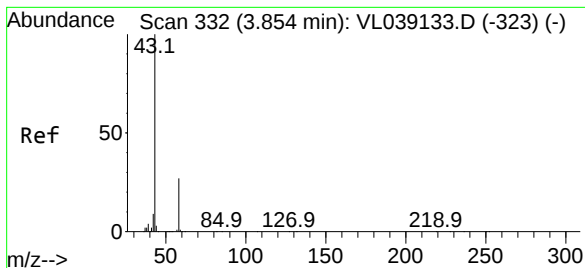
Delta R.T. -0.010 min

Lab File: VL039381.D

Acq: 28 Jun 2022 6:32

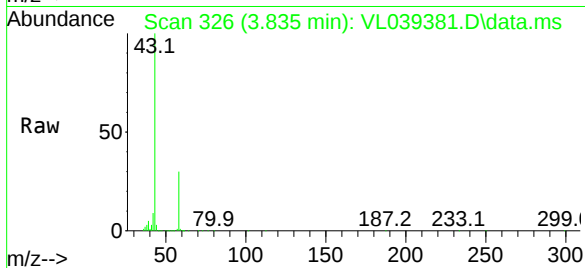
Tgt Ion: 45 Resp: 196467
 Ion Ratio Lower Upper
 45 100
 46 42.8 0.0 0.0#





#15
Acetone
Concen: 74.243 ppbv
RT: 3.835 min Scan# 31
Delta R.T. -0.019 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32

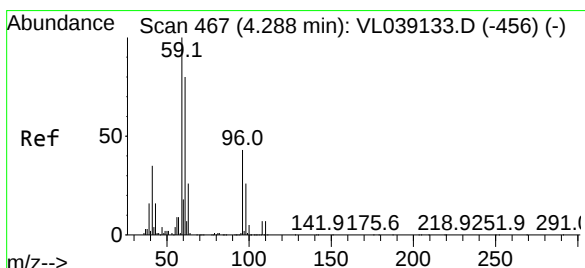
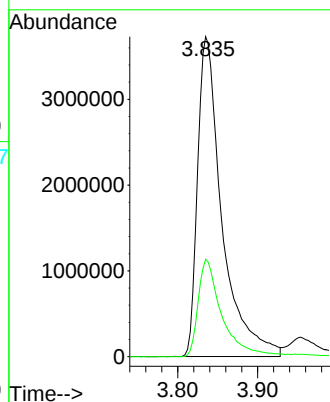
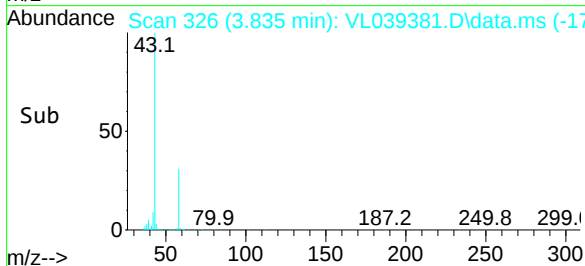
Instrument :
MSVOA_L
ClientSampleId :
SV-6-20220624



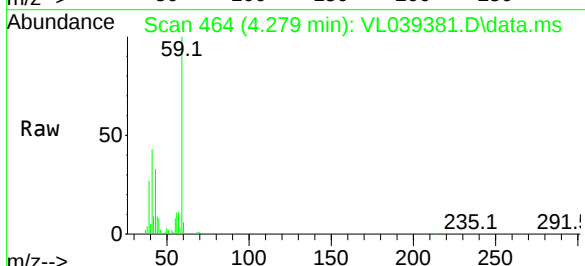
Tgt Ion: 43 Resp: 7892509
Ion Ratio Lower Upper
43 100
58 31.1 22.5 33.7

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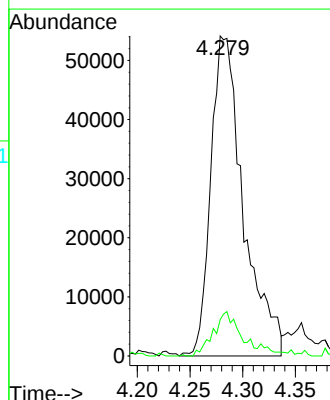
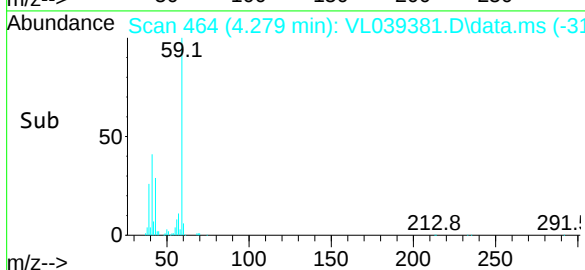
Reviewed By :Semsettin Yesilyurt 06/29/2022
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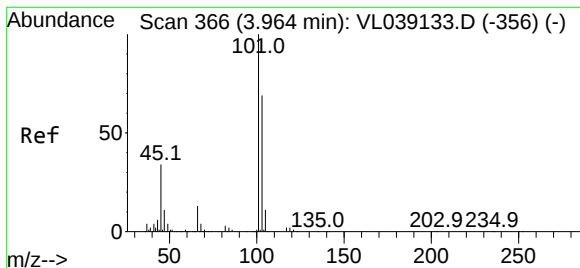


#17
tert-Butyl alcohol
Concen: 1.410 ppbv m
RT: 4.279 min Scan# 464
Delta R.T. -0.010 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32



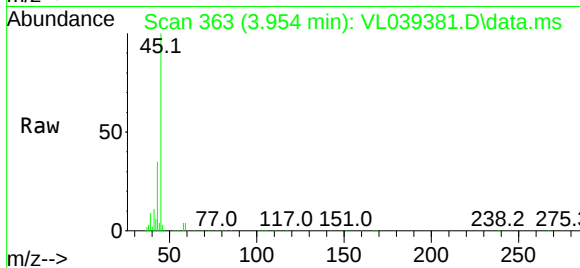
Tgt Ion: 59 Resp: 116256
Ion Ratio Lower Upper
59 100
57 13.3 9.1 13.7





#19
Isopropyl Alcohol
Concen: 28.145 ppbv
RT: 3.954 min Scan# 30
Delta R.T. -0.010 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32

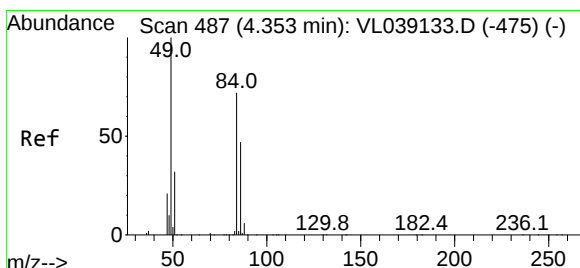
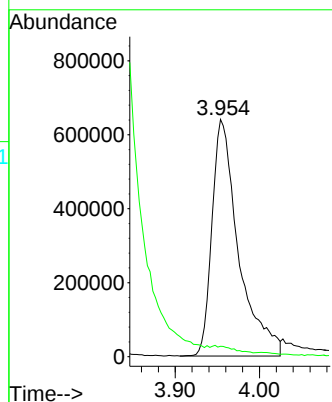
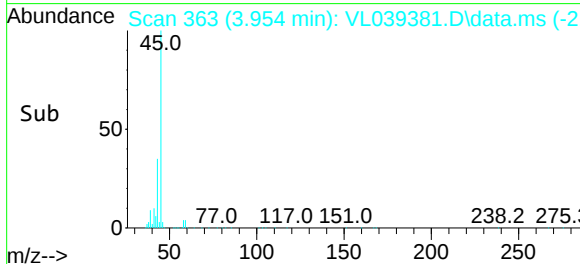
Instrument :
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ClientSampleId :
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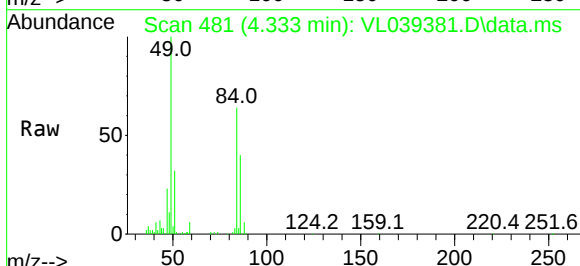
Tgt Ion: 45 Resp: 140333
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8

Manual Integrations
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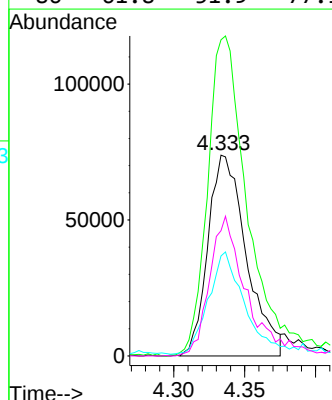
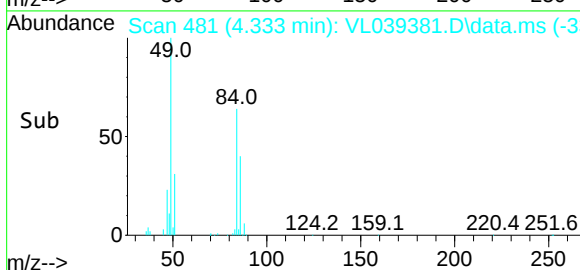
Reviewed By :Semsettin Yesilyurt 06/29/2022
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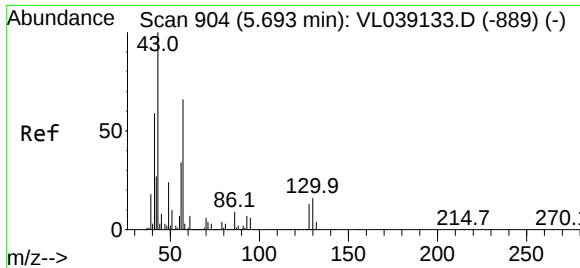


#20
Methylene Chloride
Concen: 3.112 ppbv
RT: 4.333 min Scan# 481
Delta R.T. -0.019 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32



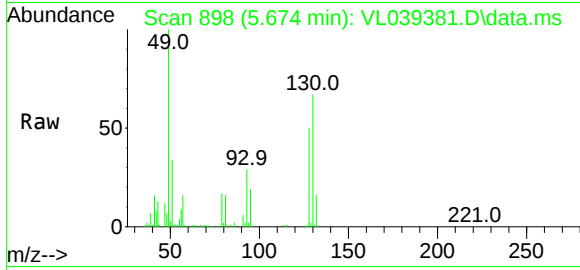
Tgt Ion: 84 Resp: 139428
Ion Ratio Lower Upper
84 100
49 155.7 111.1 166.7
51 48.3 35.3 52.9
86 61.8 51.9 77.9





#26
Hexane
Concen: 0.678 ppbv m
RT: 5.674 min Scan# 898
Delta R.T. -0.019 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32

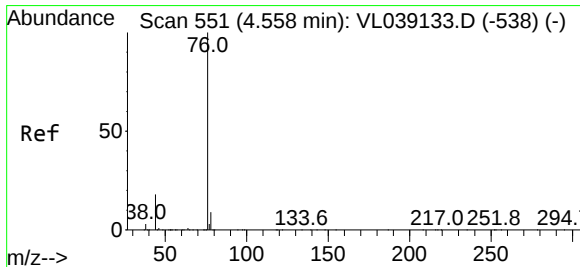
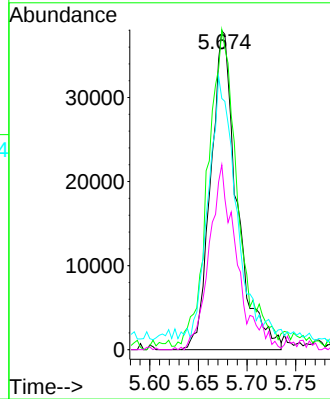
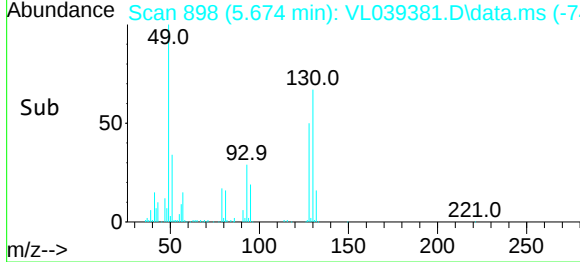
Instrument :
MSVOA_L
ClientSampleId :
SV-6-20220624



Tgt Ion: 57 Resp: 71345
Ion Ratio Lower Upper
57 100
41 115.9 72.4 108.6
43 91.0 187.0 280.6
56 60.9 41.8 62.6

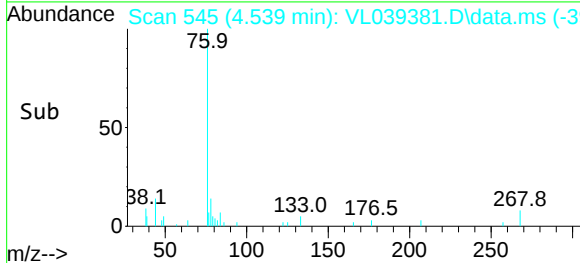
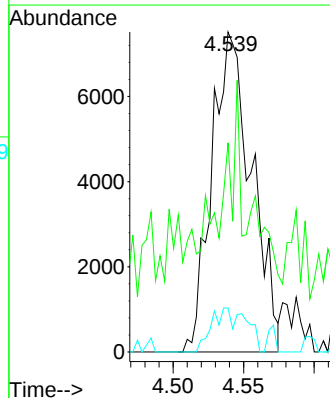
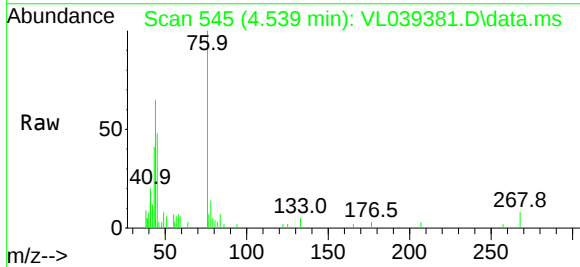
Manual Integrations
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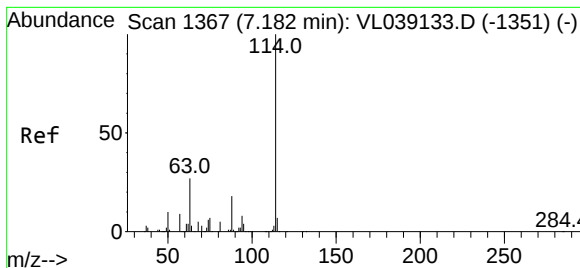
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#27
Carbon Disulfide
Concen: 0.135 ppbv m
RT: 4.539 min Scan# 545
Delta R.T. -0.019 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32

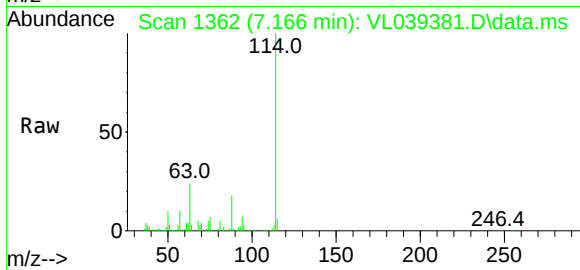
Tgt Ion: 76 Resp: 14770
Ion Ratio Lower Upper
76 100
44 48.5 14.4 21.6#
78 13.4 7.7 11.5#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.166 min Scan# 114
Delta R.T. -0.016 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32

Instrument :
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SV-6-20220624

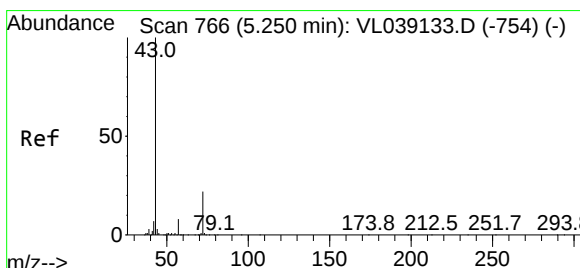
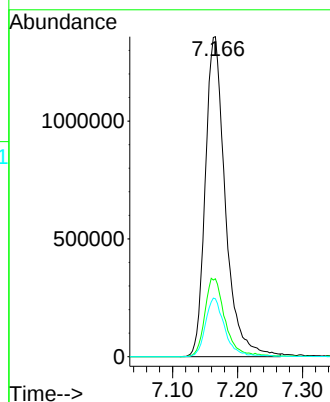
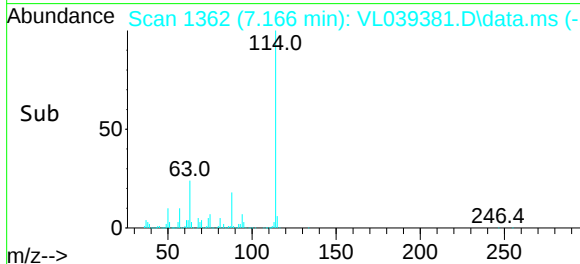


Tgt Ion:114 Resp: 291748

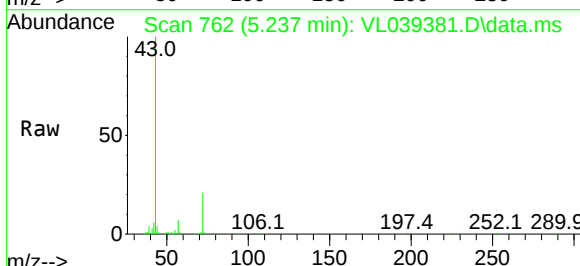
Ion	Ratio	Lower	Upper
114	100		
63	25.0	21.7	32.5
88	17.9	14.8	22.2

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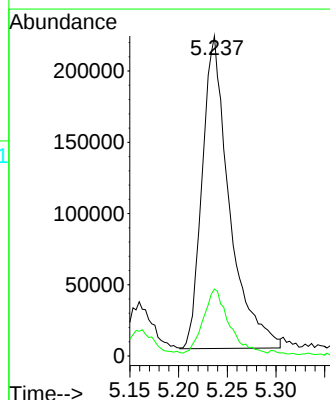
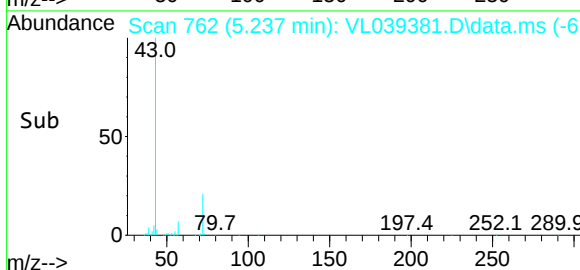


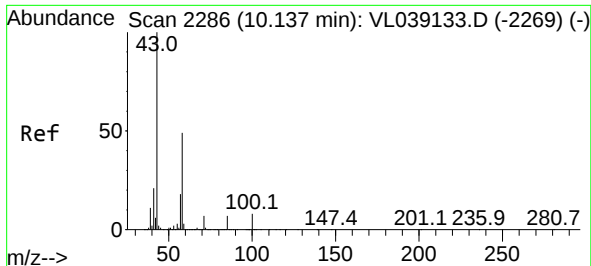
#34
2-Butanone
Concen: 2.686 ppbv
RT: 5.237 min Scan# 762
Delta R.T. -0.013 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32



Tgt Ion: 43 Resp: 425750

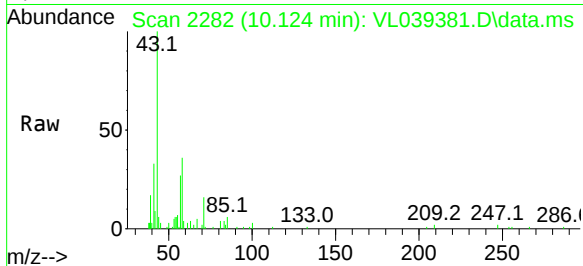
Ion	Ratio	Lower	Upper
43	100		
72	23.6	18.2	27.2





#51
2-Hexanone
Concen: 0.223 ppbv m
RT: 10.124 min Scan# 2112
Delta R.T. -0.013 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32

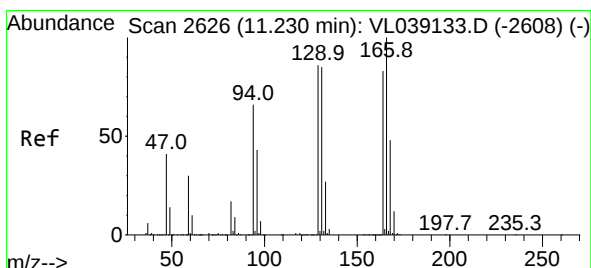
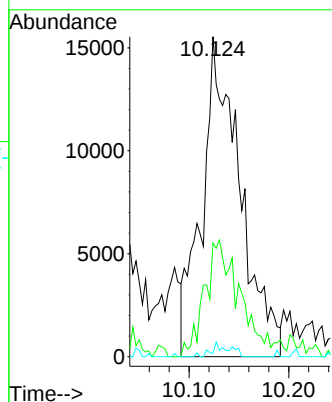
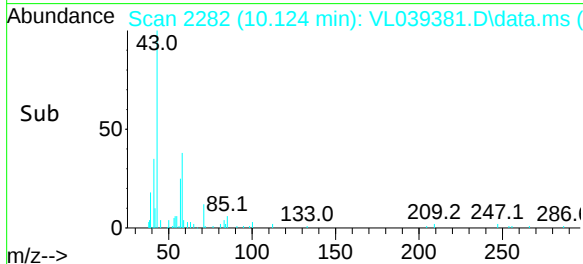
Instrument :
MSVOA_L
ClientSampleId :
SV-6-20220624



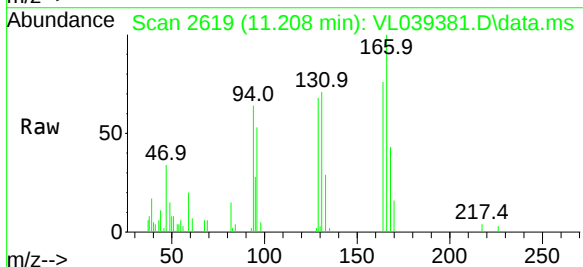
Tgt Ion: 43 Resp: 4112
Ion Ratio Lower Upper
43 100
58 0.0 40.0 60.0
98 0.0 0.1 0.1

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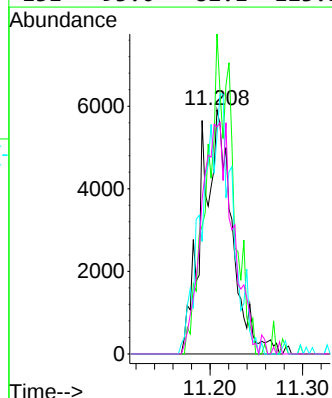
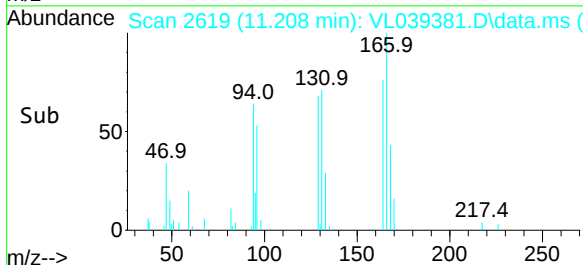
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022

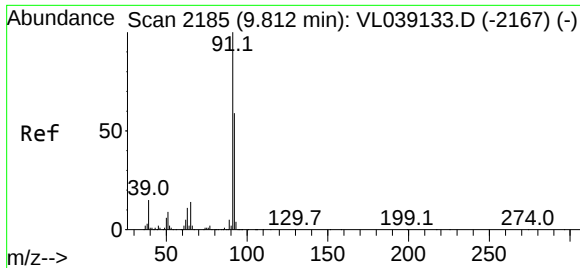


#52
Tetrachloroethene
Concen: 0.144 ppbv m
RT: 11.208 min Scan# 2619
Delta R.T. -0.023 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32



Tgt Ion:164 Resp: 13288
Ion Ratio Lower Upper
164 100
166 131.0 96.3 144.5
129 89.1 82.5 123.7
131 93.0 82.1 123.1





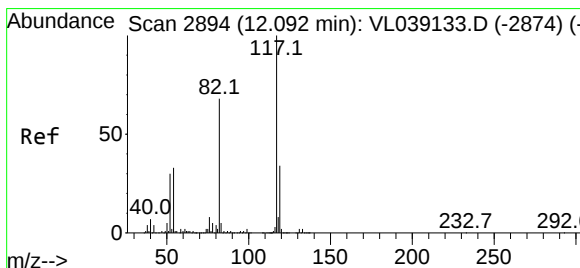
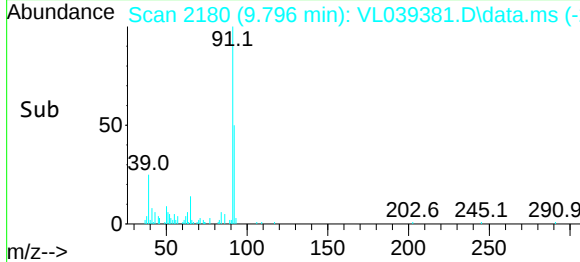
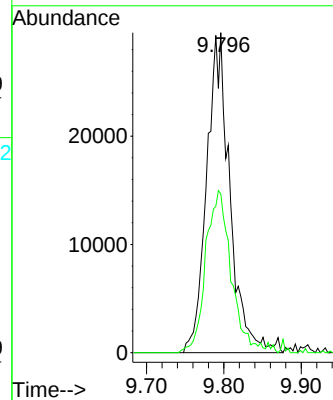
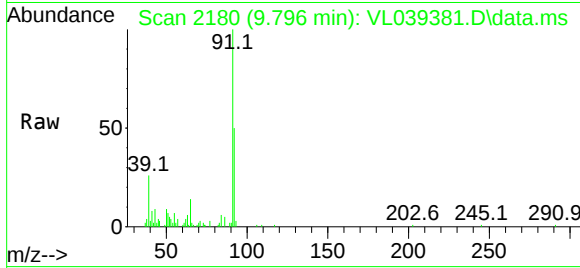
#53
Toluene
Concen: 0.226 ppbv m
RT: 9.796 min Scan# 2185
Delta R.T. -0.016 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32

Instrument :
MSVOA_L
ClientSampleId :
SV-6-20220624

Tgt Ion: 91 Resp: 6166
Ion Ratio Lower Upper
91 100
92 0.0 48.1 72.1

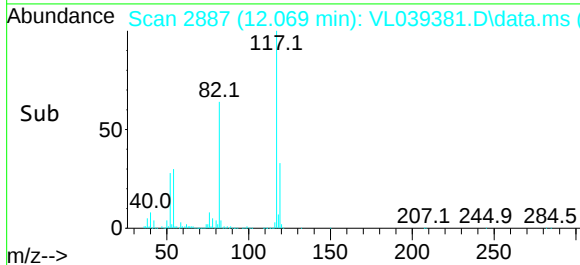
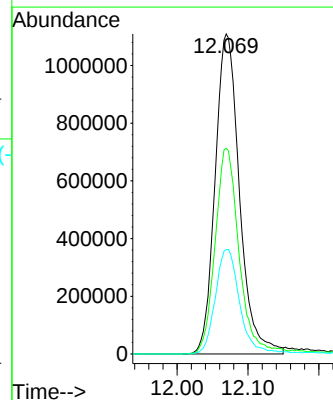
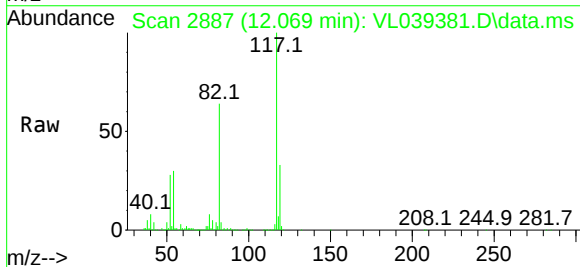
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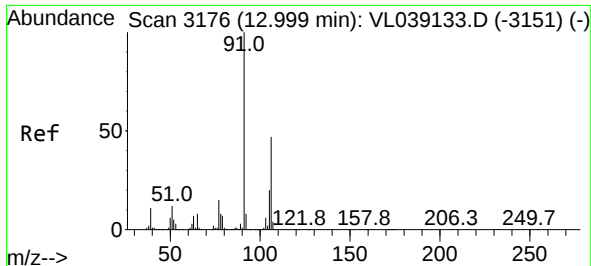
Reviewed By :Semsettin Yesilyurt 06/29/2022
Supervised By :Mahesh Dadoda 06/30/2022



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.069 min Scan# 2887
Delta R.T. -0.023 min
Lab File: VL039381.D
Acq: 28 Jun 2022 6:32

Tgt Ion:117 Resp: 2654162
Ion Ratio Lower Upper
117 100
82 64.5 55.1 82.7
119 32.7 24.7 37.1





#59

m/p-Xylene

Concen: 0.289 ppbv m

RT: 12.950 min Scan# 3176

Delta R.T. -0.048 min

Lab File: VL039381.D

Acq: 28 Jun 2022 6:32

Instrument :

MSVOA_L

ClientSampleId :

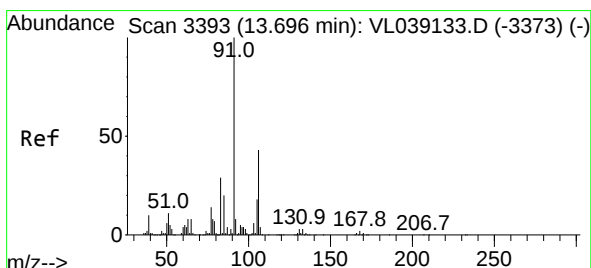
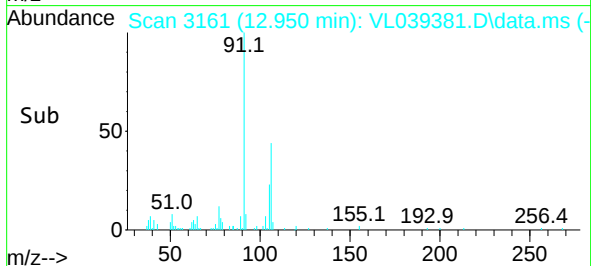
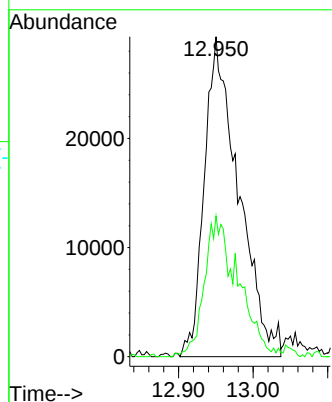
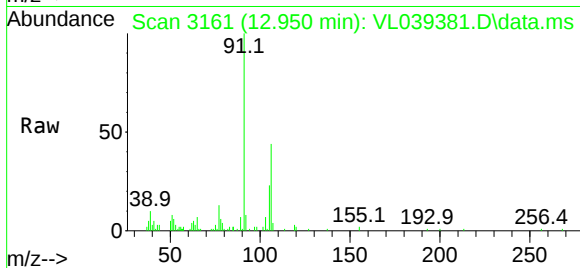
SV-6-20220624

Tgt Ion: 91 Resp: 93180
 Ion Ratio Lower Upper
 91 100
 106 0.0 34.3 51.5

Manual Integrations

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



#60

o-Xylene

Concen: 0.119 ppbv m

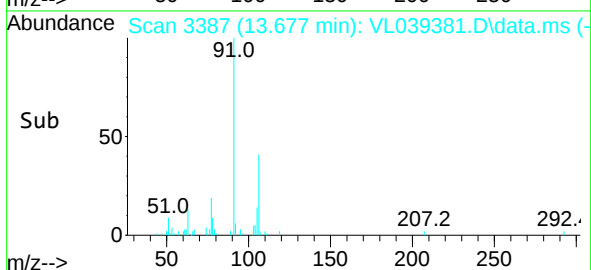
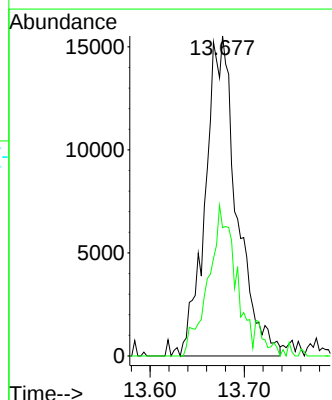
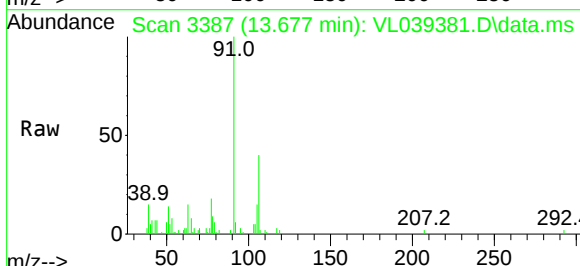
RT: 13.677 min Scan# 3387

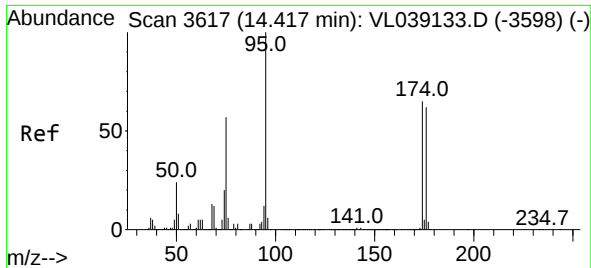
Delta R.T. -0.019 min

Lab File: VL039381.D

Acq: 28 Jun 2022 6:32

Tgt Ion: 91 Resp: 36067
 Ion Ratio Lower Upper
 91 100
 106 0.0 22.3 66.9





#68

1-Bromo-4-Fluorobenzene

Concen: 8.941 ppbv

RT: 14.397 min Scan# 30

Delta R.T. -0.019 min

Lab File: VL039381.D

Acq: 28 Jun 2022 6:32

Instrument :

MSVOA_L

ClientSampleId :

SV-6-20220624

Tgt Ion: 95 Resp: 1961940

Ion Ratio Lower Upper

95 100

174 71.1 53.8 80.8

175 5.5 4.1 6.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 06/29/2022

Supervised By :Mahesh Dadoda 06/30/2022

