

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039642.D
 Acq On : 21 Sep 2022 19:39
 Operator : SY/AP
 Sample : N4669-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF3DL

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2022
 Supervised By :Mahesh Dadoda 09/28/2022

Quant Time: Sep 22 08:18:55 2022

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 2

QLast Update : Mon Sep 19 14:26:28 2022

Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	5.211	49	1171172	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.668	114	3024337	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.484	117	2718592	10.000	ppbv	0.01
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.789	95	2007881	9.894	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.755	85	7881m	0.058	ppbv	
9) Propene	2.729	41	46664m	0.735	ppbv	
13) Ethanol	3.269	45	53010m	10.960	ppbv	
15) Acetone	3.500	43	254819	1.955	ppbv	95
20) Methylene Chloride	3.957	84	155426	2.580	ppbv	93
26) Hexane	5.237	57	46565	0.386	ppbv #	43
29) Chloroform	5.298	83	10366m	0.060	ppbv	
53) Toluene	9.237	91	47449	0.185	ppbv	90
79) Naphthalene	21.407	128	49637m	0.241	ppbv	

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

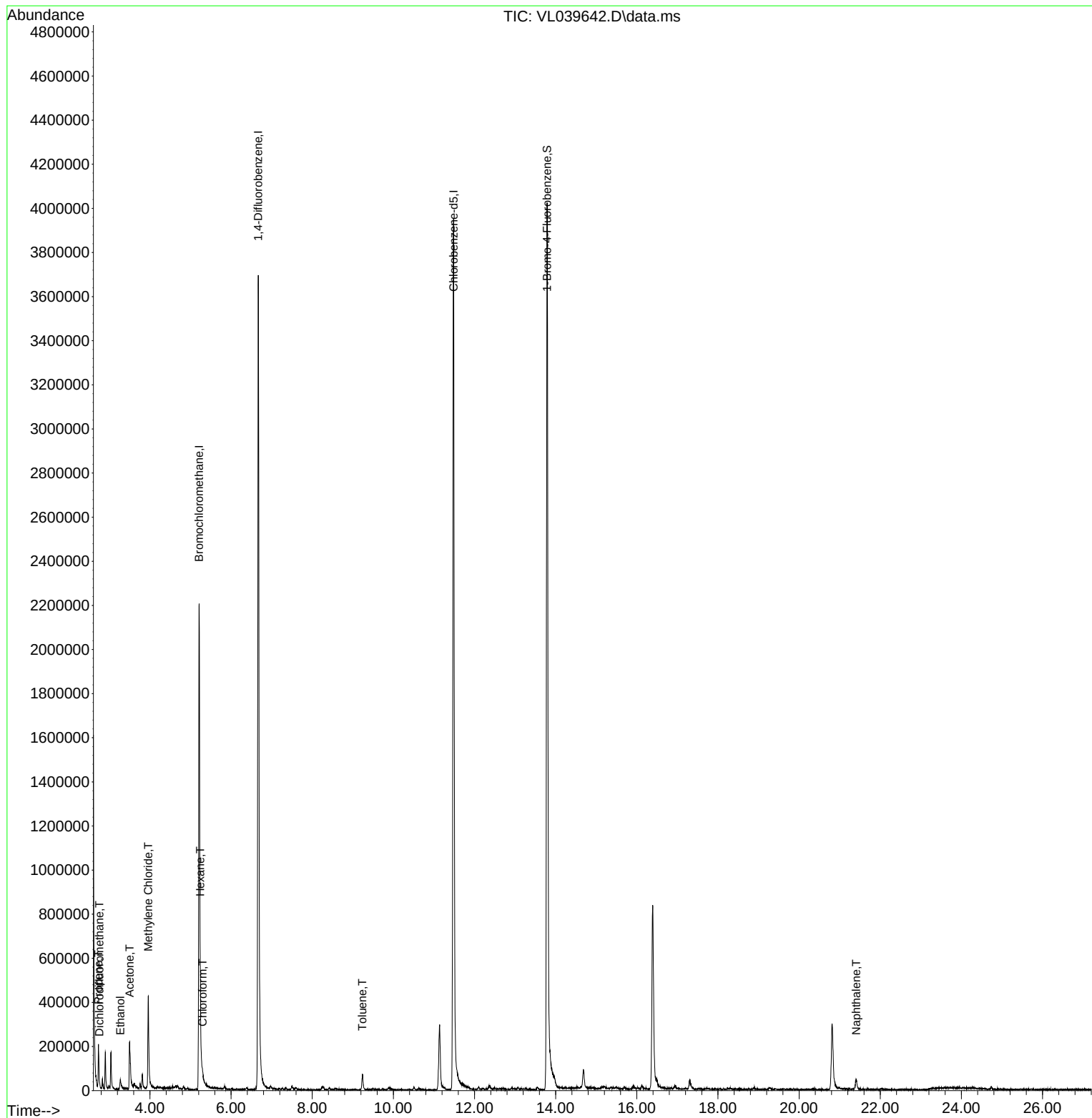
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
Data File : VL039642.D
Acq On : 21 Sep 2022 19:39
Operator : SY/AP
Sample : N4669-01DL 10X
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

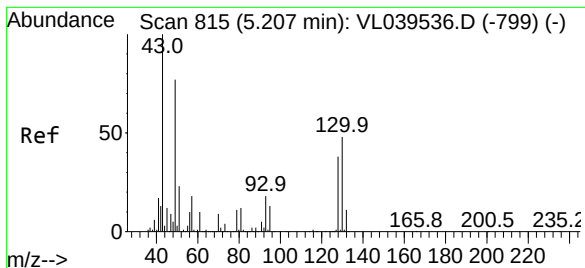
Instrument :
MSVOA_L
ClientSampleId :
C0PF3DL

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Supervised By :Mahesh Dadoda 09/28/2022

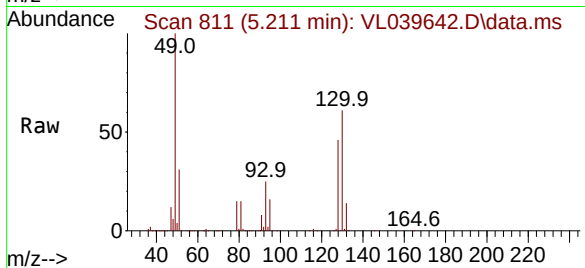
Quant Time: Sep 22 08:18:55 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.211 min Scan# 81
Delta R.T. 0.004 min
Lab File: VL039642.D
Acq: 21 Sep 2022 19:39

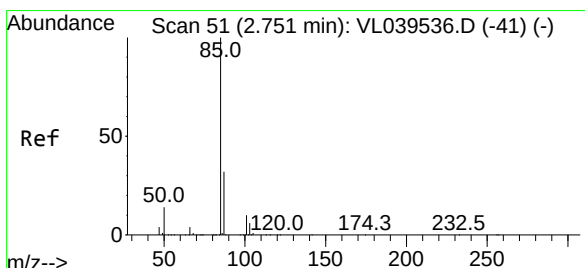
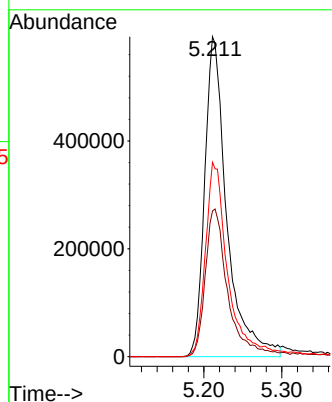
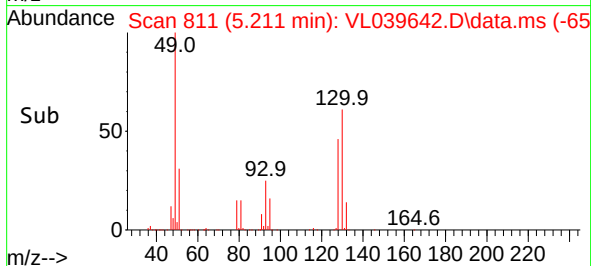
Instrument :
MSVOA_L
ClientSampleId :
C0PF3DL



Tgt Ion: 49 Resp: 1171172
Ion Ratio Lower Upper
49 100
128 48.6 26.7 80.0
130 64.4 34.3 102.8

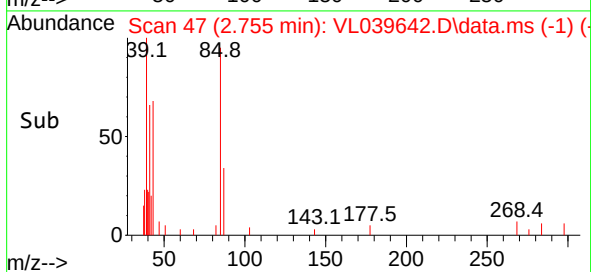
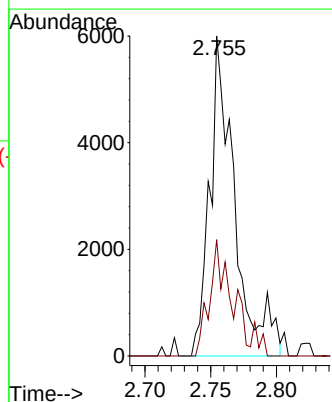
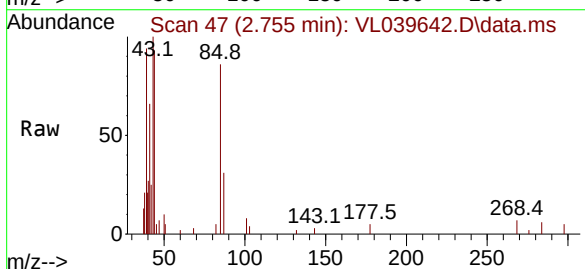
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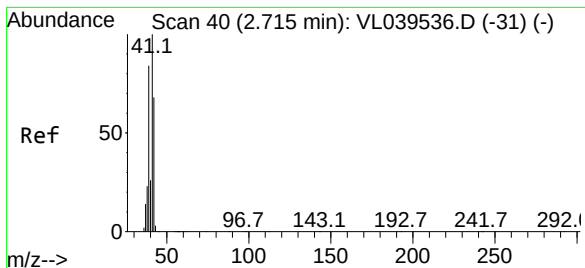
Reviewed By :Semsettin Yesilyurt 09/22/2022
Supervised By :Mahesh Dadoda 09/28/2022



#2
Dichlorodifluoromethane
Concen: 0.058 ppbv m
RT: 2.755 min Scan# 47
Delta R.T. 0.004 min
Lab File: VL039642.D
Acq: 21 Sep 2022 19:39

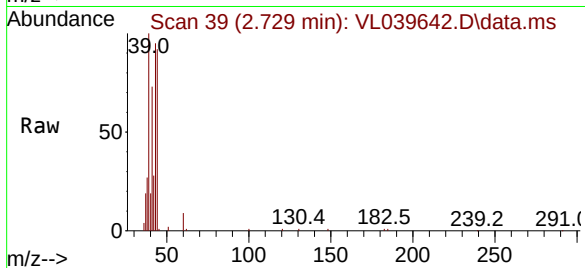
Tgt Ion: 85 Resp: 7881
Ion Ratio Lower Upper
85 100
87 36.4 26.7 40.1





#9
 Propene
 Concen: 0.735 ppbv m
 RT: 2.729 min Scan# 39
 Delta R.T. 0.013 min
 Lab File: VL039642.D
 Acq: 21 Sep 2022 19:39

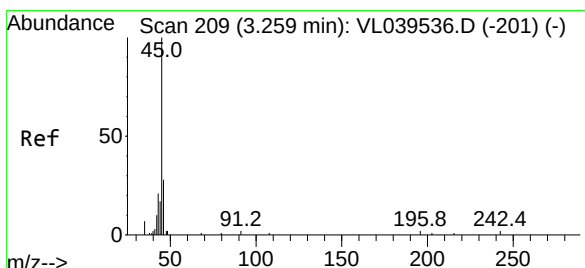
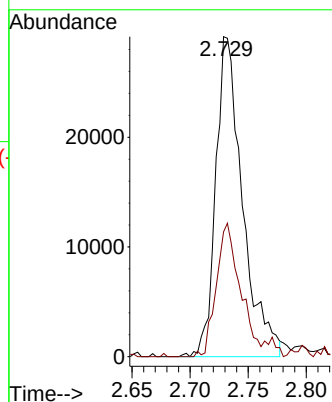
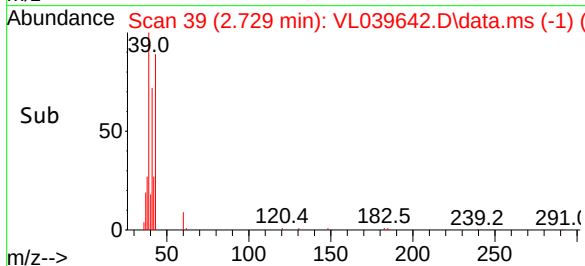
Instrument :
 MSVOA_L
 ClientSampleId :
 C0PF3DL



Tgt Ion: 41 Resp: 46664
 Ion Ratio Lower Upper
 41 100
 42 75.9 55.2 82.8

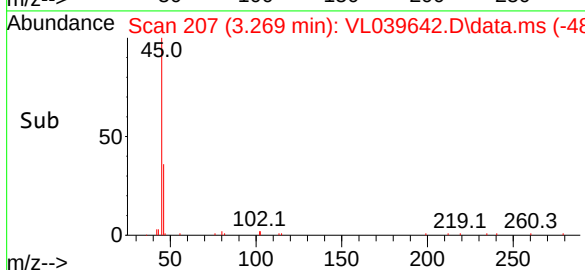
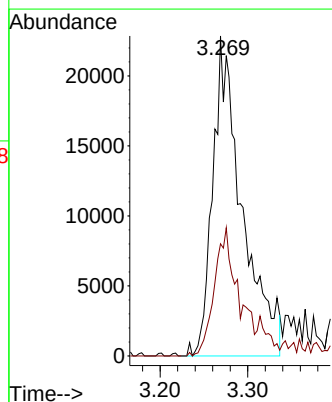
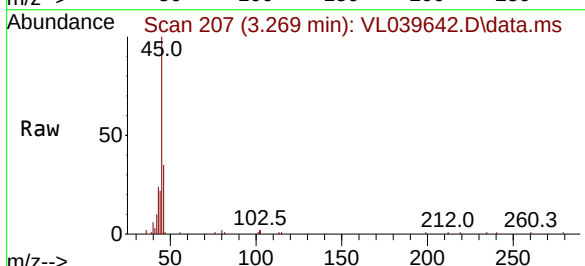
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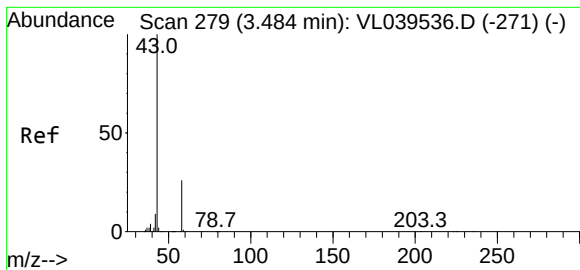
Reviewed By :Semsettin Yesilyurt 09/22/2022
 Supervised By :Mahesh Dadoda 09/28/2022



#13
 Ethanol
 Concen: 10.960 ppbv m
 RT: 3.269 min Scan# 207
 Delta R.T. 0.010 min
 Lab File: VL039642.D
 Acq: 21 Sep 2022 19:39

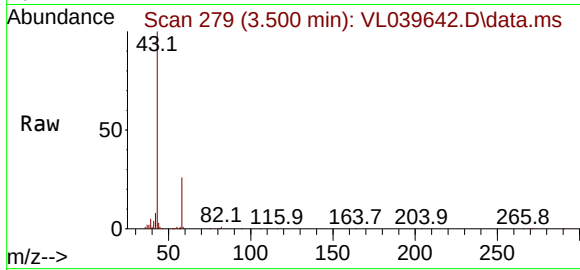
Tgt Ion: 45 Resp: 53010
 Ion Ratio Lower Upper
 45 100
 46 0.0 22.8 91.2#





#15
Acetone
Concen: 1.955 ppbv
RT: 3.500 min Scan# 21
Delta R.T. 0.017 min
Lab File: VL039642.D
Acq: 21 Sep 2022 19:39

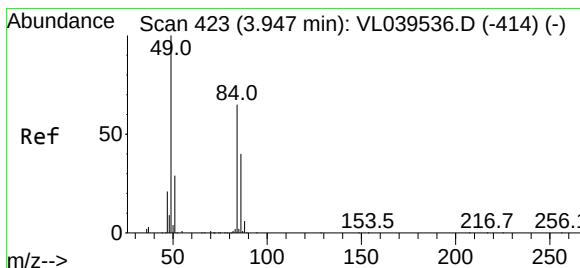
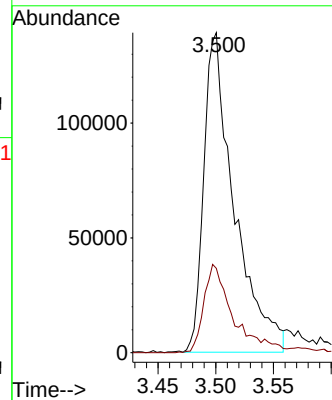
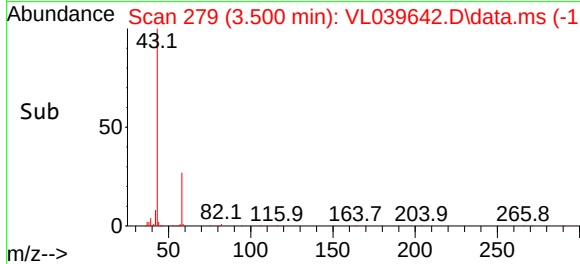
Instrument :
MSVOA_L
ClientSampleId :
C0PF3DL



Tgt Ion: 43 Resp: 254819
Ion Ratio Lower Upper
43 100
58 28.9 21.0 31.6

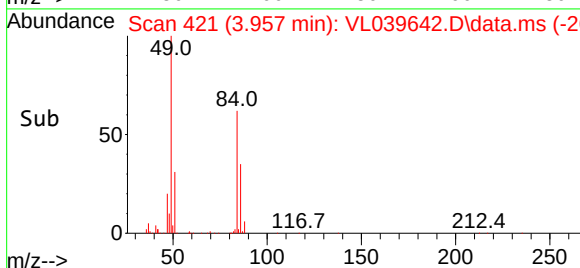
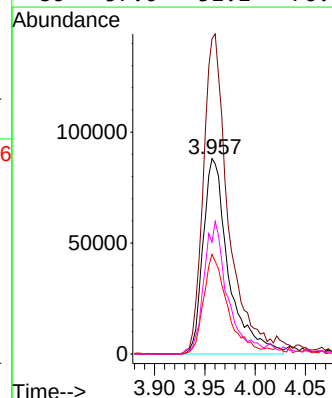
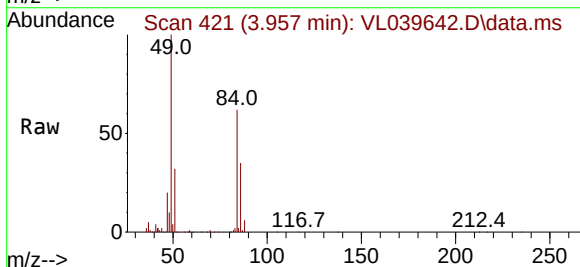
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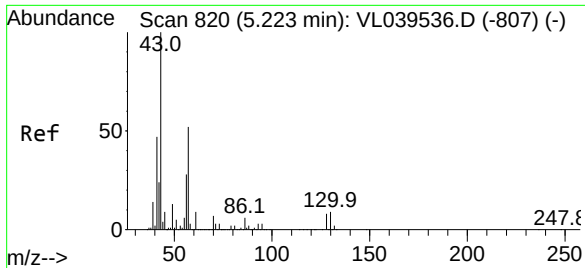
Reviewed By :Semsettin Yesilyurt 09/22/2022
Supervised By :Mahesh Dadoda 09/28/2022



#20
Methylene Chloride
Concen: 2.580 ppbv
RT: 3.957 min Scan# 421
Delta R.T. 0.010 min
Lab File: VL039642.D
Acq: 21 Sep 2022 19:39

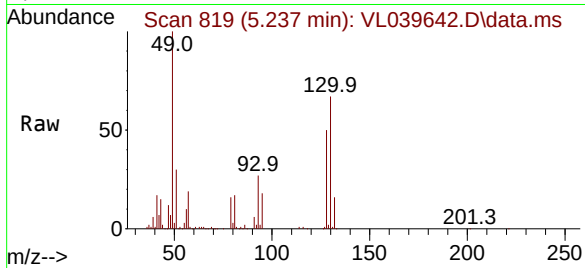
Tgt Ion: 84 Resp: 155426
Ion Ratio Lower Upper
84 100
49 160.7 123.1 184.7
51 50.8 34.4 51.6
86 57.0 51.1 76.7





#26
Hexane
Concen: 0.386 ppbv
RT: 5.237 min Scan# 819
Delta R.T. 0.013 min
Lab File: VL039642.D
Acq: 21 Sep 2022 19:39

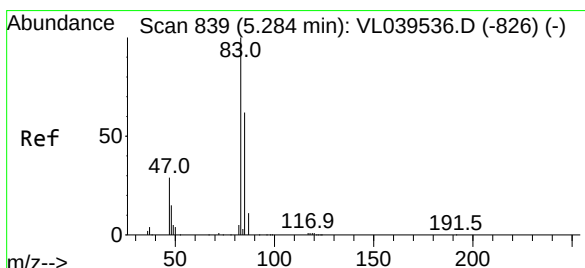
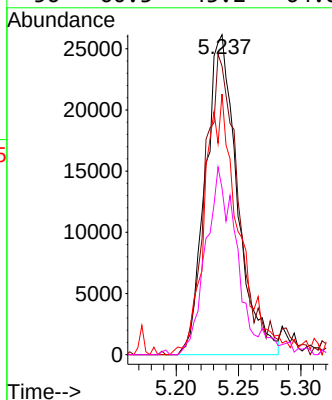
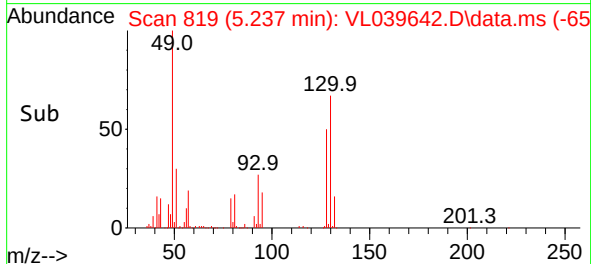
Instrument :
MSVOA_L
ClientSampleId :
C0PF3DL



Tgt Ion: 57 Resp: 4656
Ion Ratio Lower Upper
57 100
41 101.8 76.9 115.3
43 90.3 191.0 286.6
56 60.3 43.2 64.8

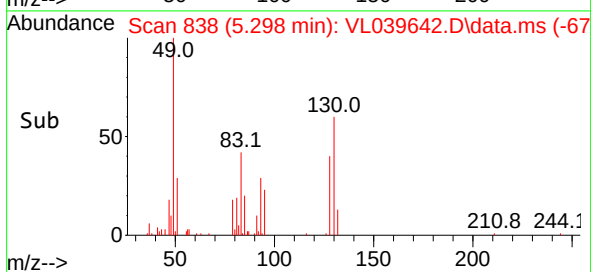
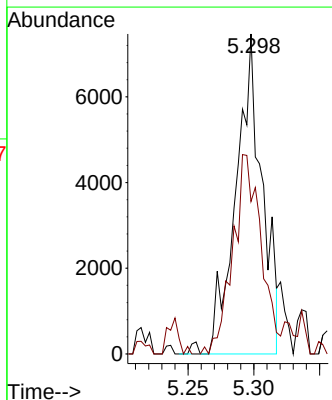
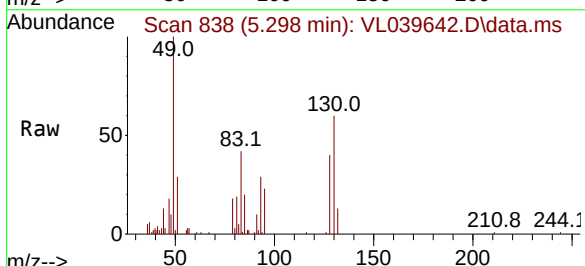
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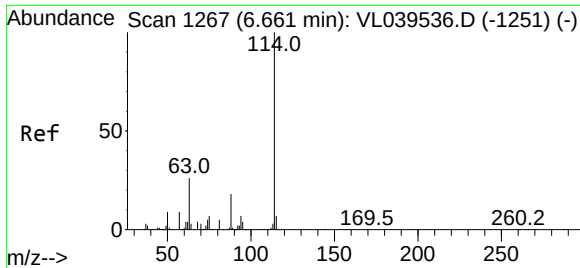
Reviewed By :Semsettin Yesilyurt 09/22/2022
Supervised By :Mahesh Dadoda 09/28/2022



#29
Chloroform
Concen: 0.060 ppbv m
RT: 5.298 min Scan# 838
Delta R.T. 0.013 min
Lab File: VL039642.D
Acq: 21 Sep 2022 19:39

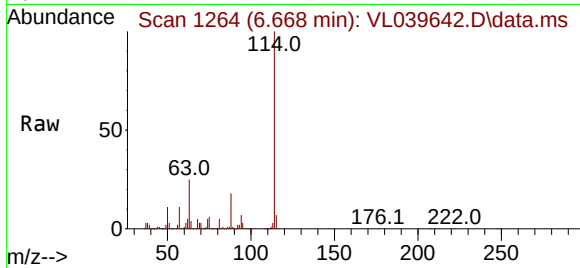
Tgt Ion: 83 Resp: 10366
Ion Ratio Lower Upper
83 100
85 47.6 52.8 79.2#





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.668 min Scan# 114
Delta R.T. 0.007 min
Lab File: VL039642.D
Acq: 21 Sep 2022 19:39

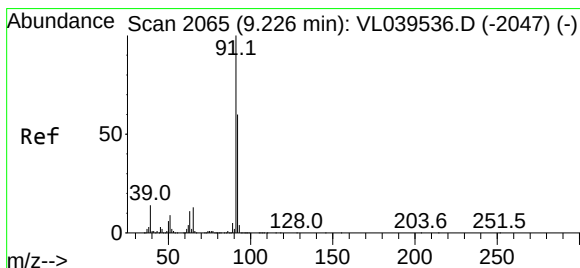
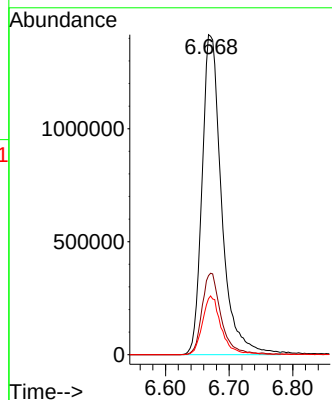
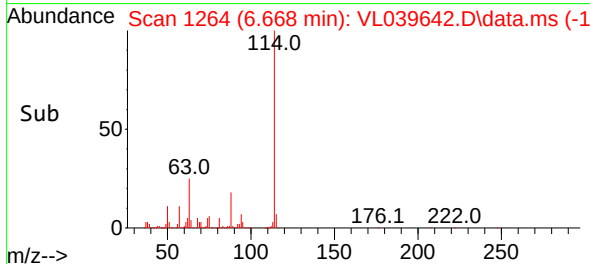
Instrument :
MSVOA_L
ClientSampleId :
COPF3DL



Tgt Ion:114 Resp: 302433
Ion Ratio Lower Upper
114 100
63 25.3 20.2 30.4
88 17.7 14.5 21.7

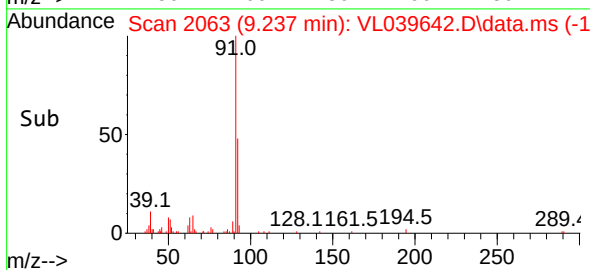
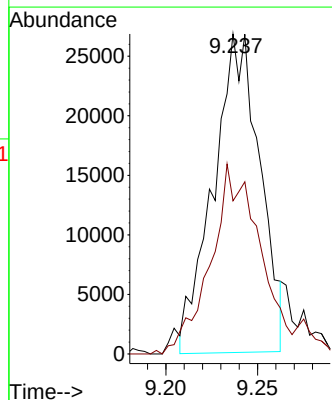
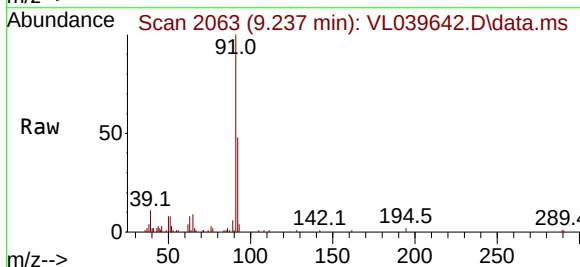
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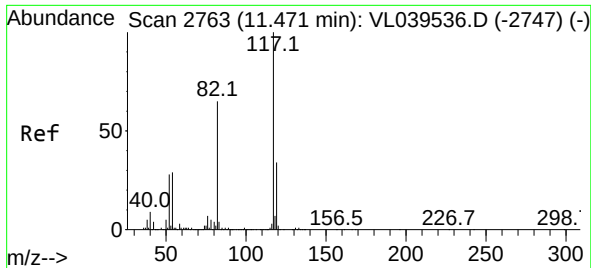
Reviewed By :Semsettin Yesilyurt 09/22/2022
Supervised By :Mahesh Dadoda 09/28/2022



#53
Toluene
Concen: 0.185 ppbv
RT: 9.237 min Scan# 2063
Delta R.T. 0.010 min
Lab File: VL039642.D
Acq: 21 Sep 2022 19:39

Tgt Ion: 91 Resp: 47449
Ion Ratio Lower Upper
91 100
92 67.4 48.2 72.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.484 min Scan# 21

Delta R.T. 0.013 min

Lab File: VL039642.D

Acq: 21 Sep 2022 19:39

Instrument :

MSVOA_L

ClientSampleId :

C0PF3DL

Tgt Ion: 117 Resp: 271859

Ion Ratio Lower Upper

117 100

82 64.4 50.8 76.2

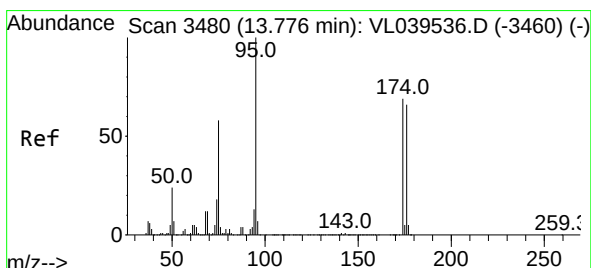
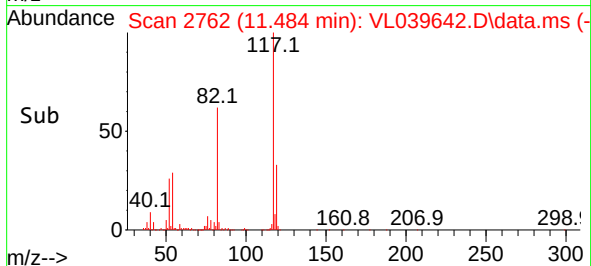
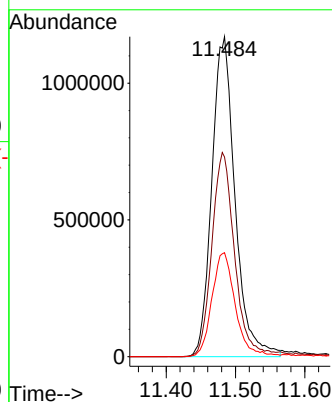
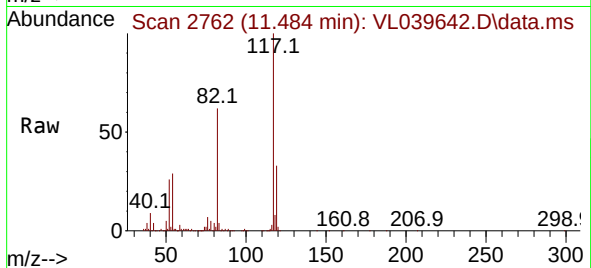
119 33.5 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2022

Supervised By :Mahesh Dadoda 09/28/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.894 ppbv

RT: 13.789 min Scan# 3479

Delta R.T. 0.013 min

Lab File: VL039642.D

Acq: 21 Sep 2022 19:39

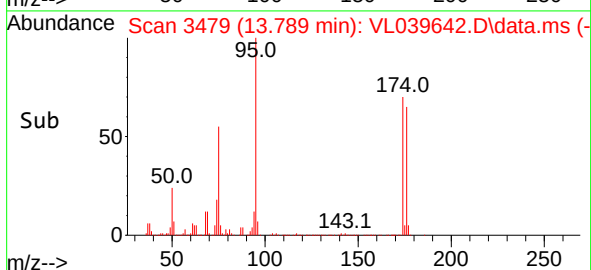
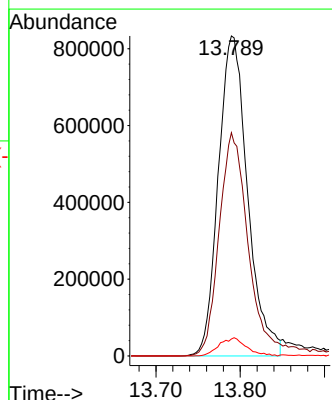
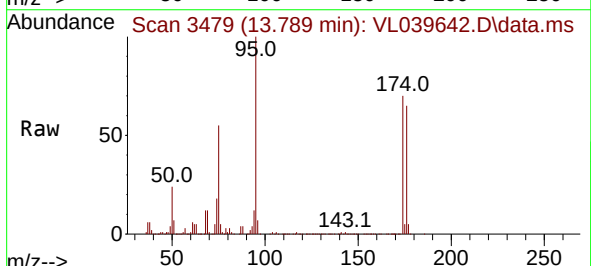
Tgt Ion: 95 Resp: 2007881

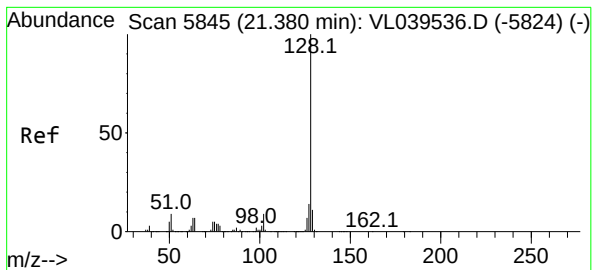
Ion Ratio Lower Upper

95 100

174 73.8 55.9 83.9

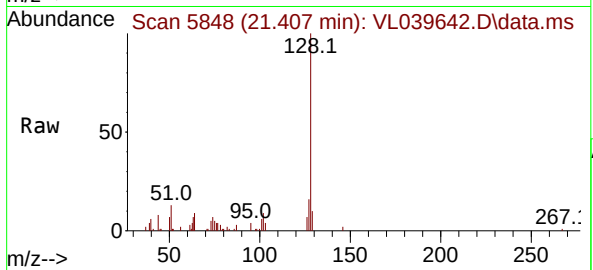
175 5.7 4.2 6.4





#79
Naphthalene
Concen: 0.241 ppbv m
RT: 21.407 min Scan# 5848
Delta R.T. 0.026 min
Lab File: VL039642.D
Acq: 21 Sep 2022 19:39

Instrument : MSVOA_L
ClientSampleId : C0PF3DL



Tgt Ion:	128	Resp:	4963
Ion Ratio	Lower	Upper	
128	100		
127	15.9	10.6	15.8
129	10.3	8.8	13.2

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2022
Supervised By :Mahesh Dadoda 09/28/2022

