

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
 Data File : VL039589.D
 Acq On : 25 Aug 2022 22:24
 Operator : SY/AP
 Sample : N4351-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022

Quant Time: Aug 26 06:27:05 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:27:05 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.201	49	877371	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	6.658	114	2383438	10.000	ppbv	0.00
55) Chlorobenzene-d5	11.468	117	2095196	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.780	95	1571331	9.941	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.400%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.748	85	29380	0.252	ppbv	92
3) Chlorodifluoromethane	2.693	51	55833m	0.534	ppbv	
4) Chloromethane	2.828	50	32033	0.509	ppbv	94
9) Propene	2.722	41	27402	0.573	ppbv	87
11) Trichlorofluoromethane	3.578	101	33284m	0.260	ppbv	
13) Ethanol	3.259	45	56346m	16.391	ppbv	
15) Acetone	3.484	43	472433	4.807	ppbv	92
19) Isopropyl Alcohol	3.603	45	21248m	0.444	ppbv	
20) Methylene Chloride	3.947	84	138900	3.479	ppbv	98
26) Hexane	5.224	57	97540	1.136	ppbv #	42
34) 2-Butanone	4.809	43	75125m	0.634	ppbv	
35) Carbon Tetrachloride	6.503	117	8407m	0.065	ppbv	
36) Benzene	6.368	78	23616m	0.130	ppbv	
53) Toluene	9.224	91	64183	0.316	ppbv	99

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

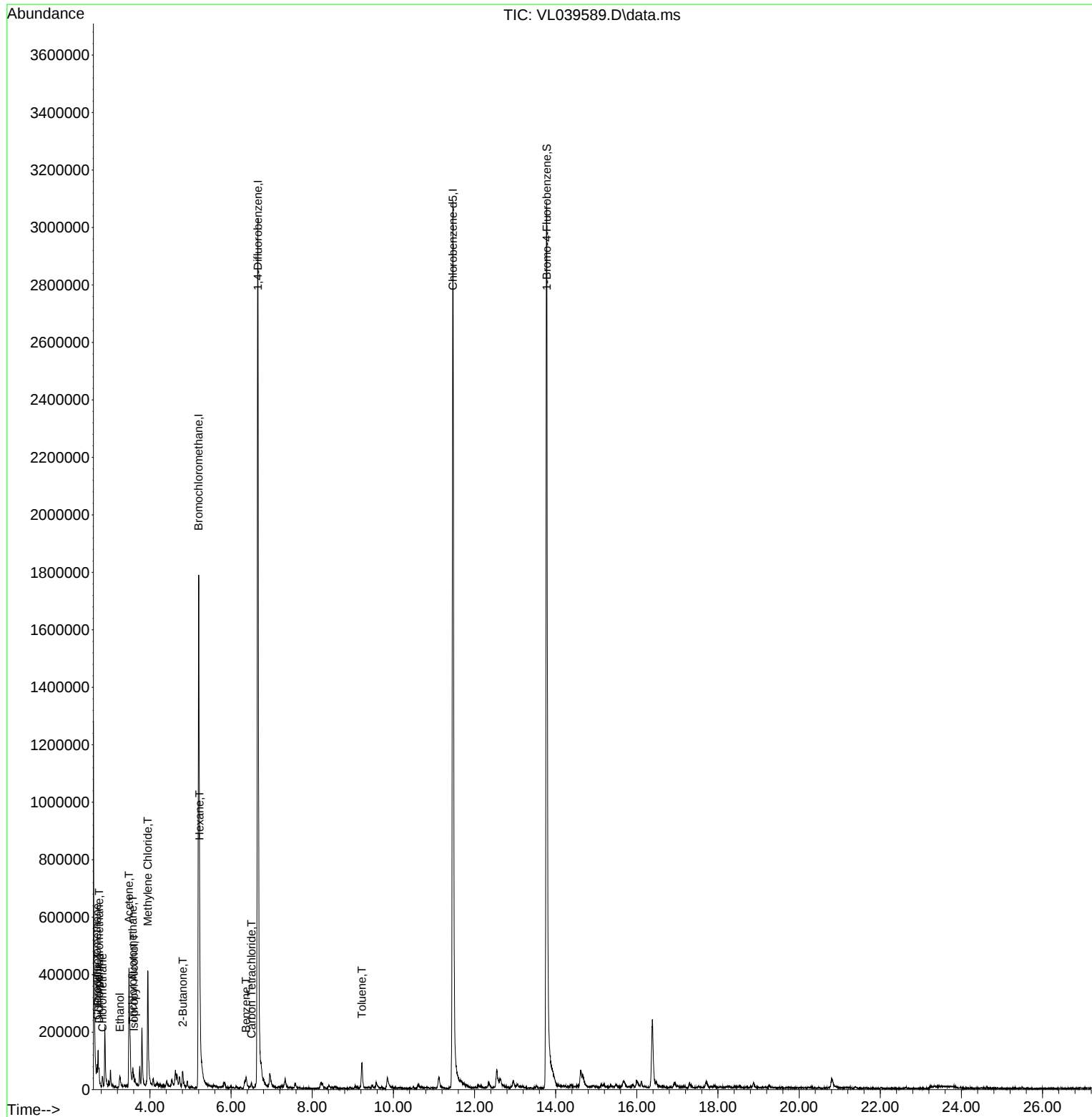
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL082522\
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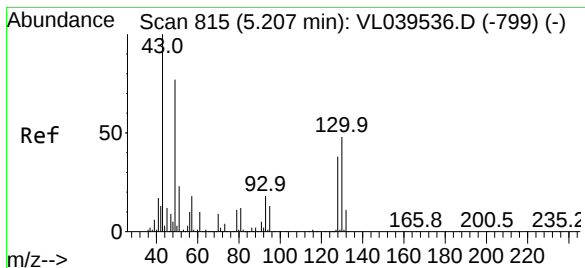
Instrument :
MSVOA_L
ClientSampleId :
OA1

Quant Time: Aug 26 06:27:05 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081722AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 26 06:05:16 2022
Response via : Initial Calibration

Manual Integrations
APPROVED

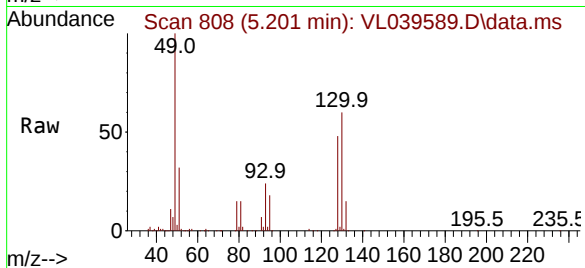
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022





#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.201 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: VL039589.D
 Acq: 25 Aug 2022 22:24

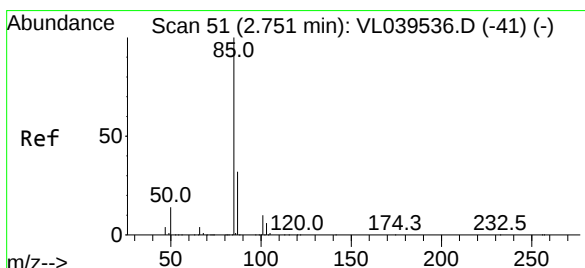
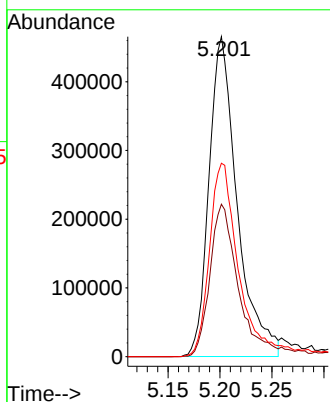
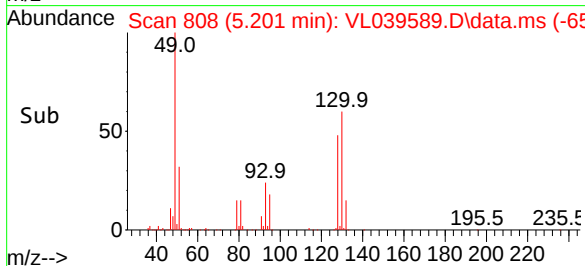
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 49 Resp: 87737
 Ion Ratio Lower Upper
 49 100
 128 51.9 26.7 80.0
 130 65.6 34.3 102.8

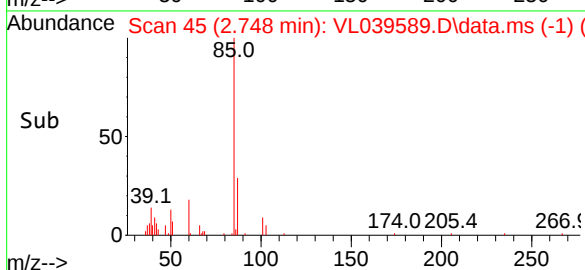
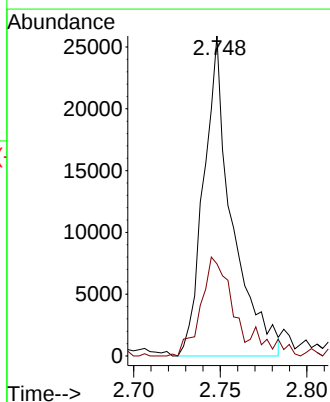
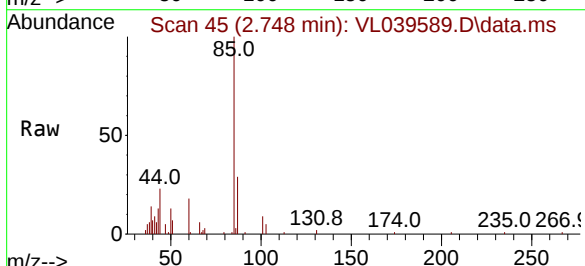
Manual Integrations
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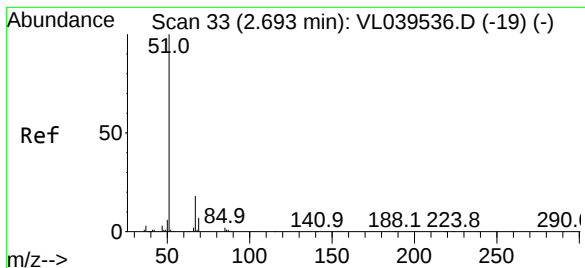
Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#2
 Dichlorodifluoromethane
 Concen: 0.252 ppbv
 RT: 2.748 min Scan# 45
 Delta R.T. -0.003 min
 Lab File: VL039589.D
 Acq: 25 Aug 2022 22:24

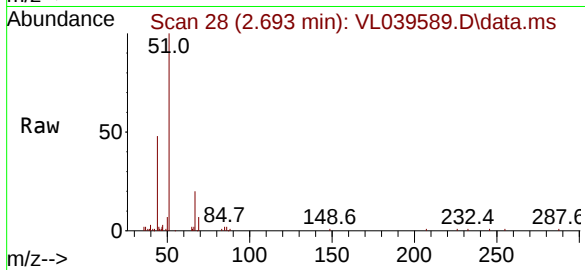
Tgt Ion: 85 Resp: 29380
 Ion Ratio Lower Upper
 85 100
 87 28.8 26.7 40.1





#3
Chlorodifluoromethane
Concen: 0.534 ppbv m
RT: 2.693 min Scan# 21
Delta R.T. 0.001 min
Lab File: VL039589.D
Acq: 25 Aug 2022 22:24

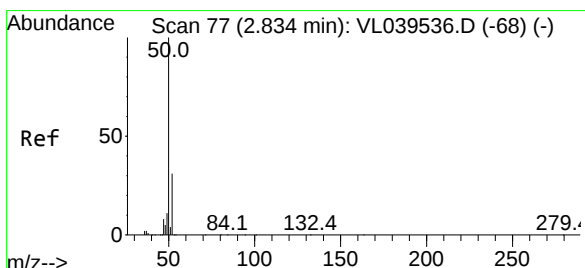
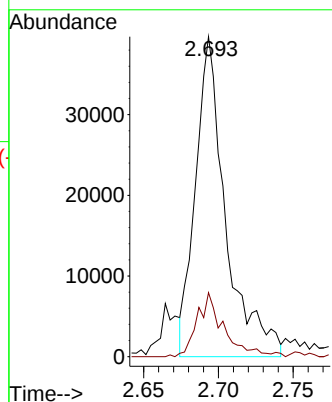
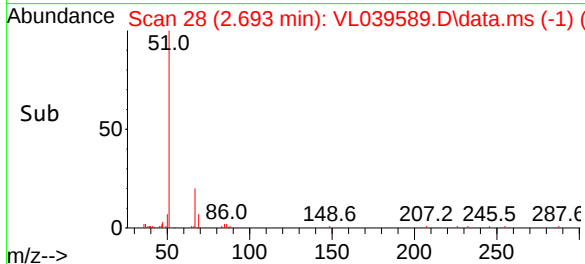
Instrument :
MSVOA_L
ClientSampleId :
OA1



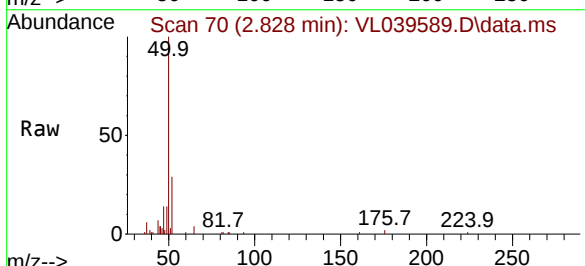
Tgt Ion: 51 Resp: 5583
Ion Ratio Lower Upper
51 100
67 18.7 15.7 23.5

Manual Integrations
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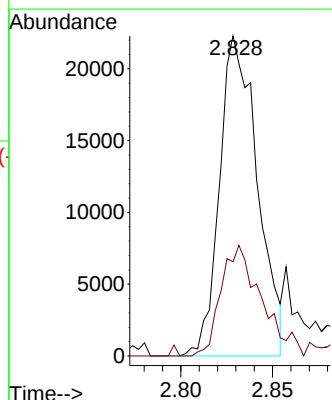
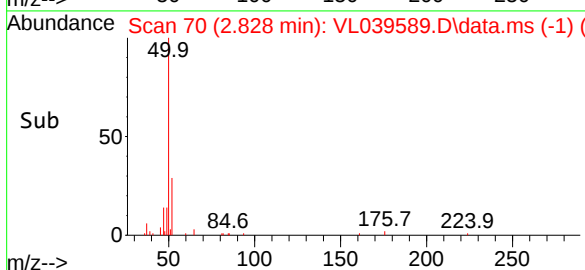
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022

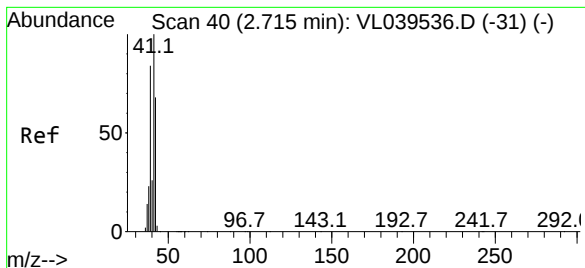


#4
Chloromethane
Concen: 0.509 ppbv
RT: 2.828 min Scan# 70
Delta R.T. -0.006 min
Lab File: VL039589.D
Acq: 25 Aug 2022 22:24



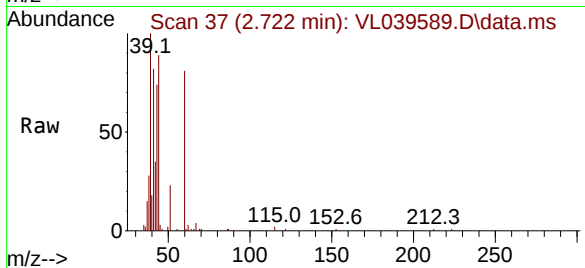
Tgt Ion: 50 Resp: 32033
Ion Ratio Lower Upper
50 100
52 29.4 26.5 39.7





#9
 Propene
 Concen: 0.573 ppbv
 RT: 2.722 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: VL039589.D
 Acq: 25 Aug 2022 22:24

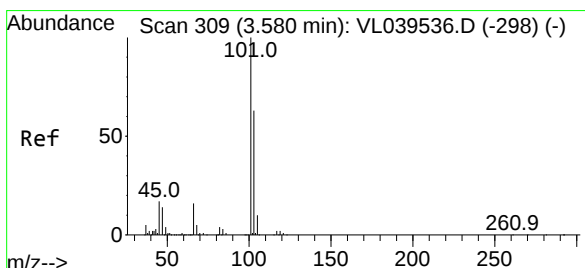
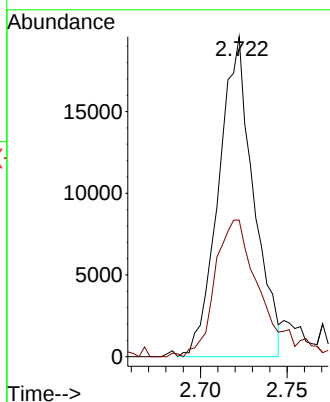
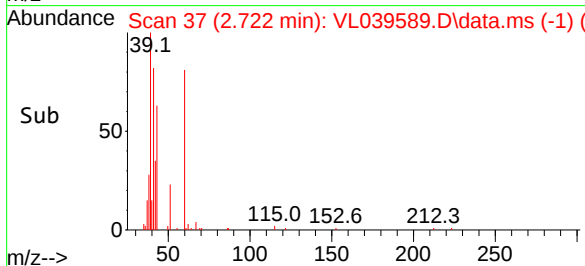
Instrument :
 MSVOA_L
 ClientSampleId :
 OA1



Tgt Ion: 41 Resp: 2740
 Ion Ratio Lower Upper
 41 100
 42 58.3 55.2 82.8

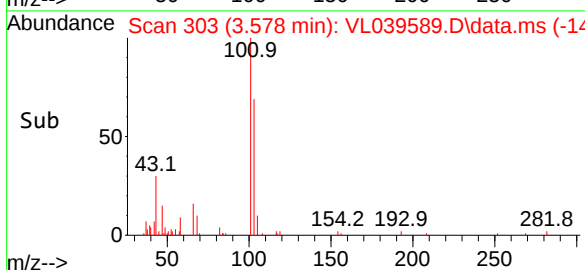
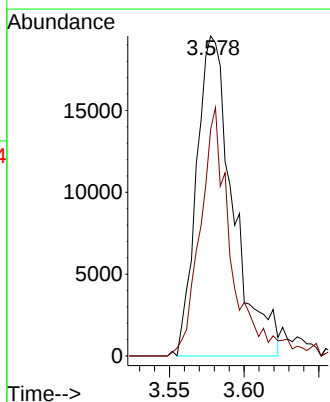
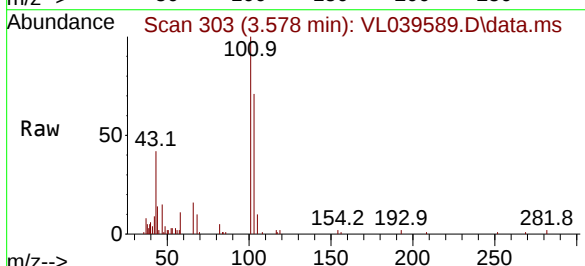
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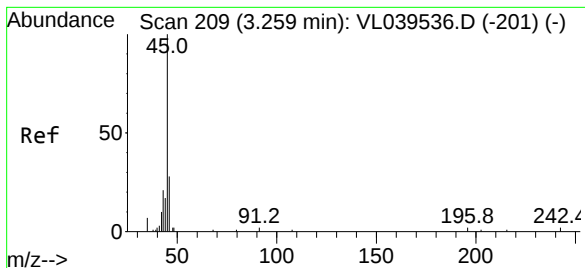
Reviewed By :Mahesh Dadoda 08/29/2022
 Supervised By :Semsettin Yesilyurt 08/29/2022



#11
 Trichlorofluoromethane
 Concen: 0.260 ppbv m
 RT: 3.578 min Scan# 303
 Delta R.T. -0.003 min
 Lab File: VL039589.D
 Acq: 25 Aug 2022 22:24

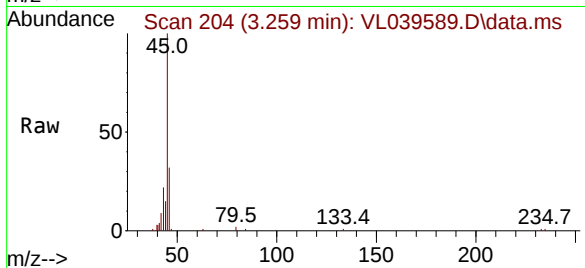
Tgt Ion:101 Resp: 33284
 Ion Ratio Lower Upper
 101 100
 103 70.9 51.8 77.8





#13
Ethanol
Concen: 16.391 ppbv m
RT: 3.259 min Scan# 209
Delta R.T. 0.001 min
Lab File: VL039589.D
Acq: 25 Aug 2022 22:24

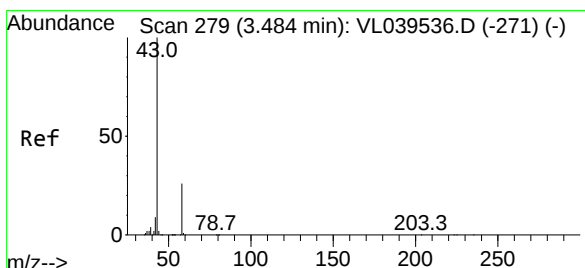
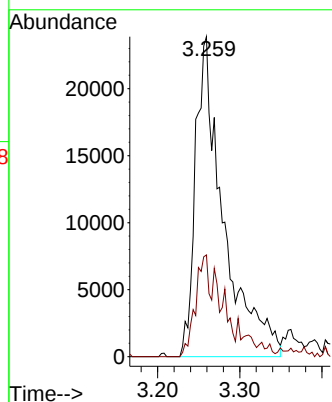
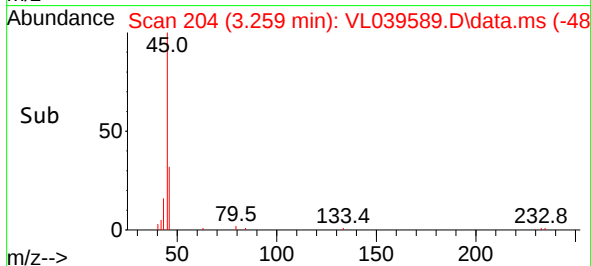
Instrument :
MSVOA_L
ClientSampleId :
OA1



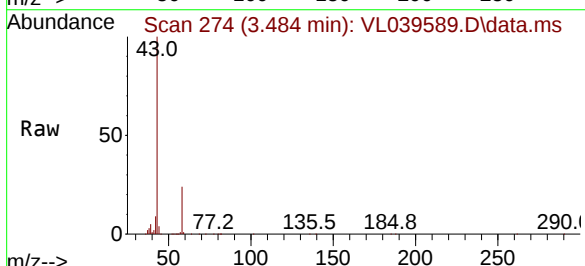
Tgt Ion: 45 Resp: 56340
Ion Ratio Lower Upper
45 100
46 33.2 22.8 91.2

Manual Integrations
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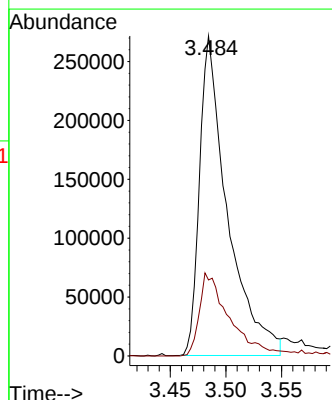
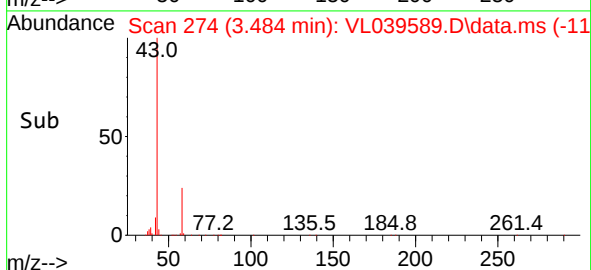
Reviewed By :Mahesh Dadoda 08/29/2022
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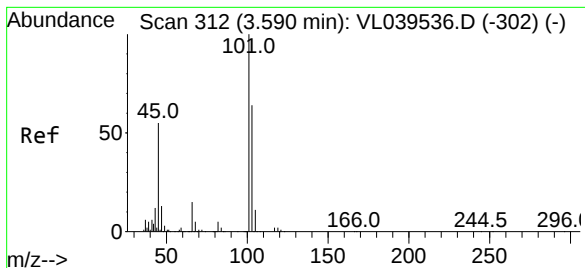


#15
Acetone
Concen: 4.807 ppbv
RT: 3.484 min Scan# 274
Delta R.T. 0.001 min
Lab File: VL039589.D
Acq: 25 Aug 2022 22:24



Tgt Ion: 43 Resp: 472433
Ion Ratio Lower Upper
43 100
58 30.3 21.0 31.6





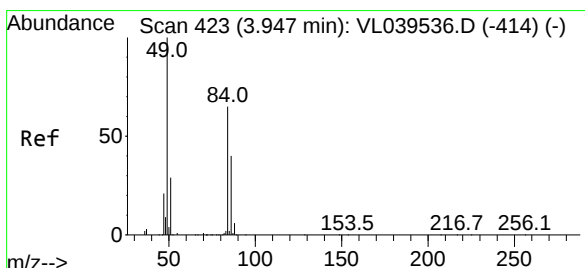
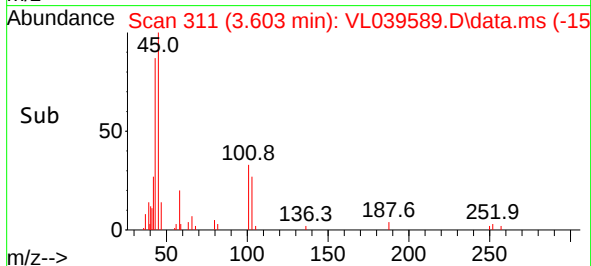
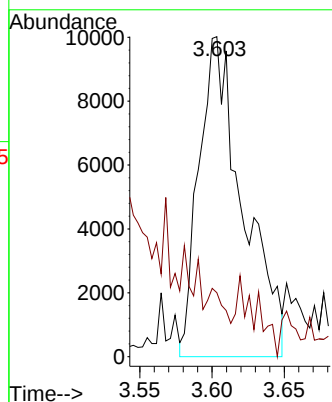
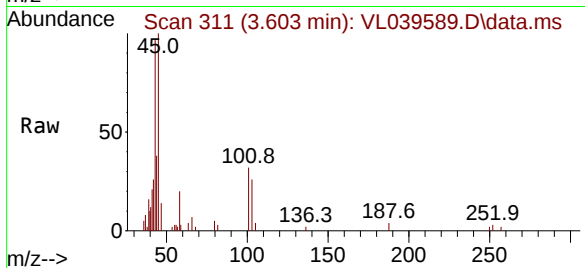
#19
Isopropyl Alcohol
Concen: 0.444 ppbv m
RT: 3.603 min Scan# 311
Delta R.T. 0.013 min
Lab File: VL039589.D
Acq: 25 Aug 2022 22:24

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 45 Resp: 21248
Ion Ratio Lower Upper
45 100
58 0.0 3.2 4.8

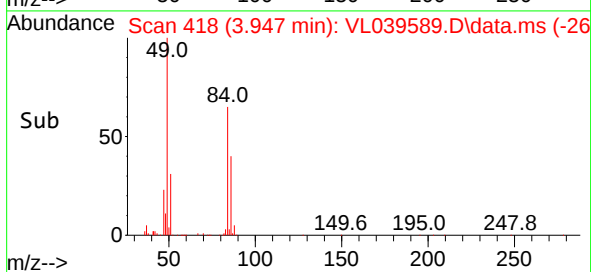
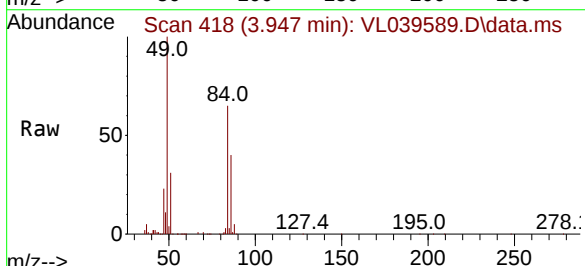
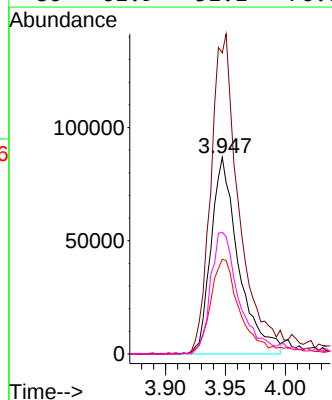
Manual Integrations
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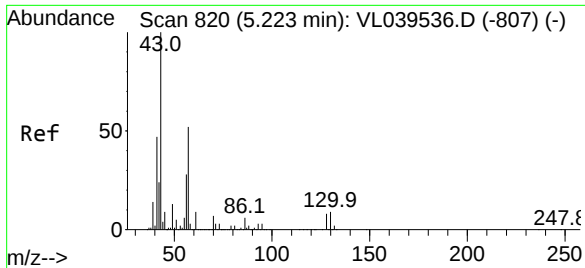
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#20
Methylene Chloride
Concen: 3.479 ppbv
RT: 3.947 min Scan# 418
Delta R.T. 0.001 min
Lab File: VL039589.D
Acq: 25 Aug 2022 22:24

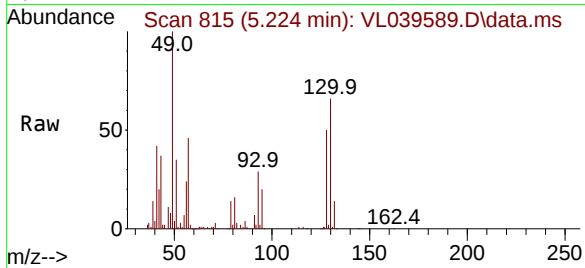
Tgt Ion: 84 Resp: 138900
Ion Ratio Lower Upper
84 100
49 153.2 123.1 184.7
51 48.2 34.4 51.6
86 61.9 51.1 76.7





#26
Hexane
Concen: 1.136 ppbv
RT: 5.224 min Scan# 815
Delta R.T. 0.001 min
Lab File: VL039589.D
Acq: 25 Aug 2022 22:24

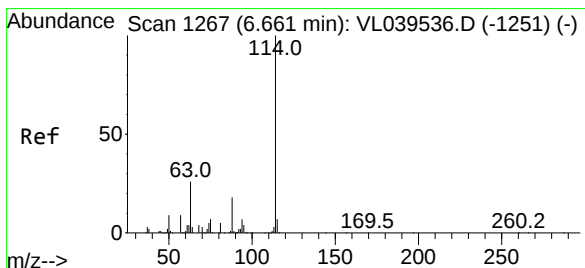
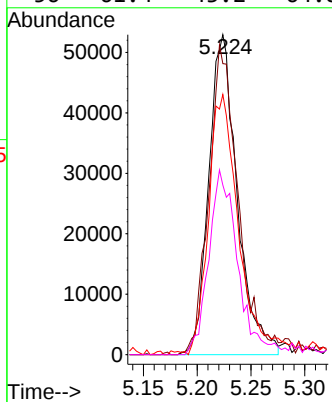
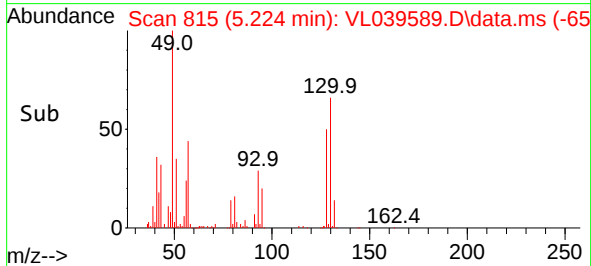
Instrument :
MSVOA_L
ClientSampleId :
OA1



Tgt Ion: 57 Resp: 97540
Ion Ratio Lower Upper
57 100
41 103.3 76.9 115.3
43 87.8 191.0 286.6
56 61.4 43.2 64.8

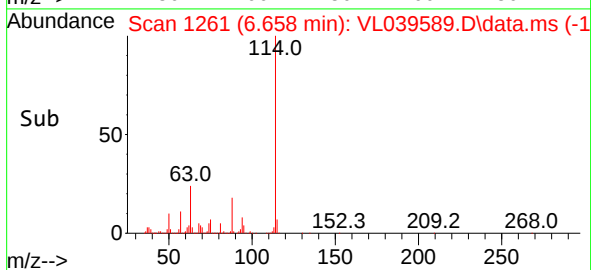
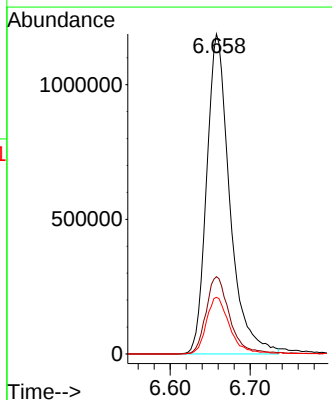
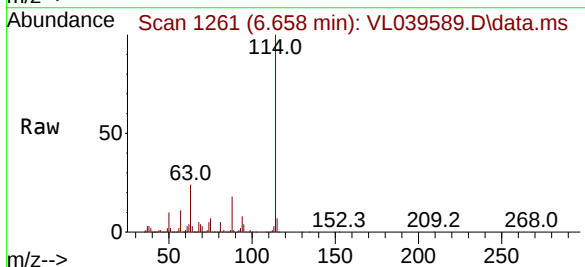
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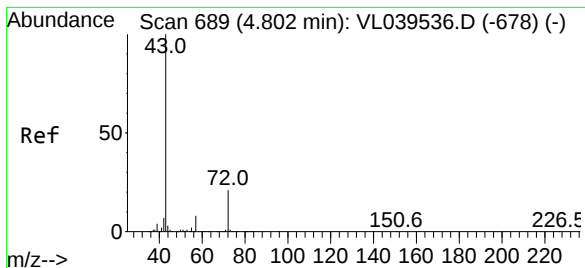
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.658 min Scan# 1261
Delta R.T. -0.003 min
Lab File: VL039589.D
Acq: 25 Aug 2022 22:24

Tgt Ion:114 Resp: 2383438
Ion Ratio Lower Upper
114 100
63 25.0 20.2 30.4
88 18.0 14.5 21.7





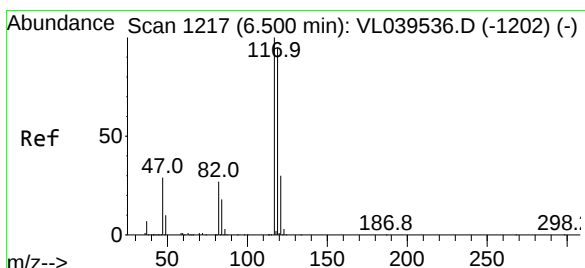
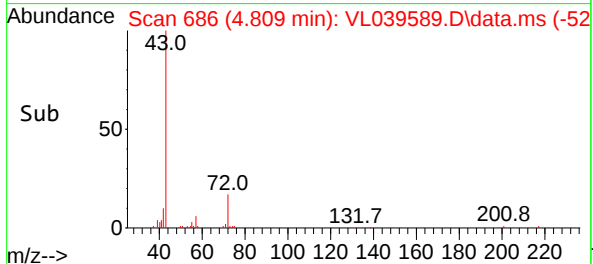
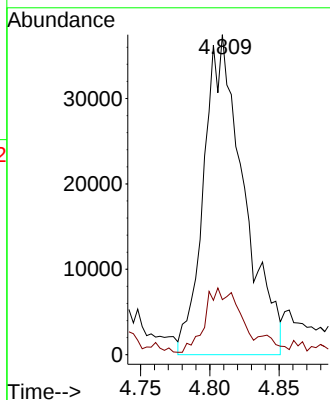
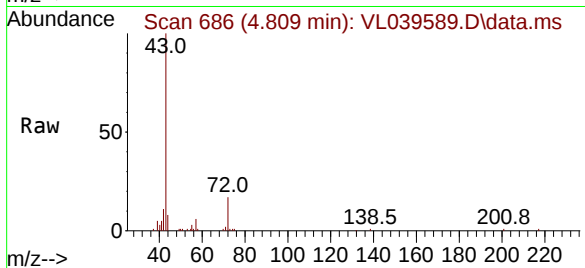
#34
2-Butanone
Concen: 0.634 ppbv m
RT: 4.809 min Scan# 689
Delta R.T. 0.007 min
Lab File: VL039589.D
Acq: 25 Aug 2022 22:24

Instrument :
MSVOA_L
ClientSampleId :
OA1

Tgt Ion: 43 Resp: 7512
Ion Ratio Lower Upper
43 100
72 24.6 17.9 26.9

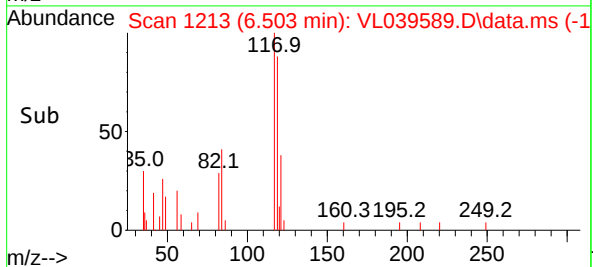
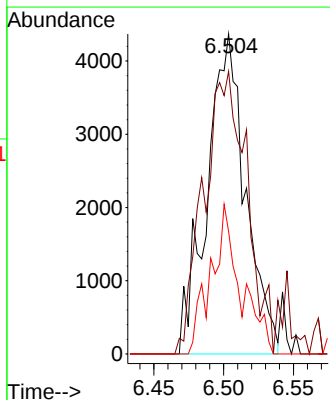
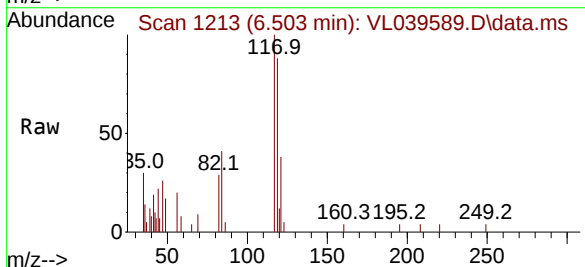
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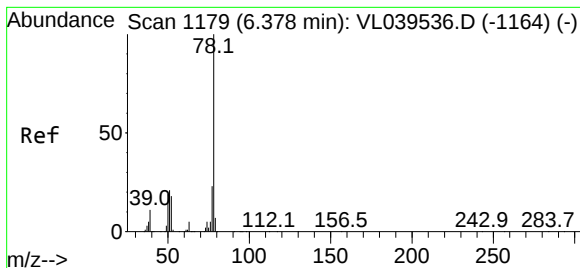
Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#35
Carbon Tetrachloride
Concen: 0.065 ppbv m
RT: 6.503 min Scan# 1213
Delta R.T. 0.004 min
Lab File: VL039589.D
Acq: 25 Aug 2022 22:24

Tgt Ion:117 Resp: 8407
Ion Ratio Lower Upper
117 100
119 88.3 75.4 113.2
121 38.3 24.2 36.2#





#36

Benzene

Concen: 0.130 ppbv m

RT: 6.368 min Scan# 1179

Delta R.T. -0.009 min

Lab File: VL039589.D

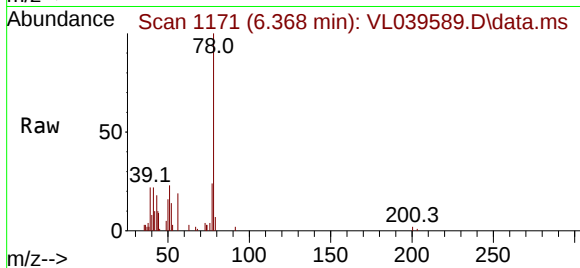
Acq: 25 Aug 2022 22:24

Instrument :

MSVOA_L

ClientSampleId :

OA1

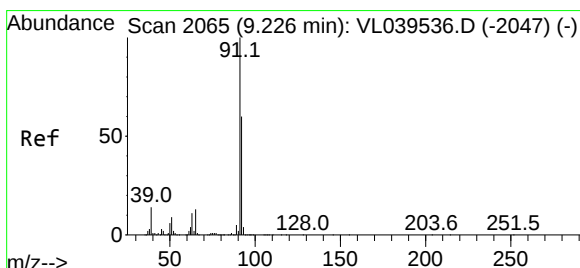
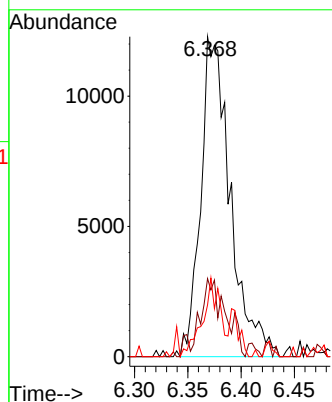
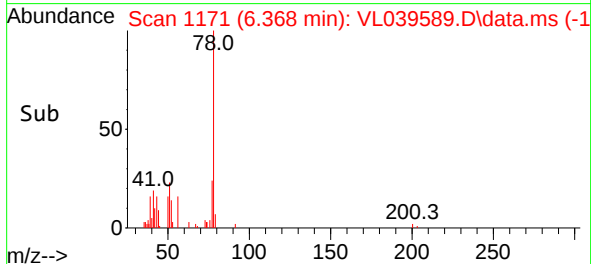


Tgt Ion: 78	Resp: 23610
Ion Ratio	Lower Upper
78	100
77	24.4 20.3 30.5
50	16.2 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022
Supervised By :Semsettin Yesilyurt 08/29/2022



#53

Toluene

Concen: 0.316 ppbv

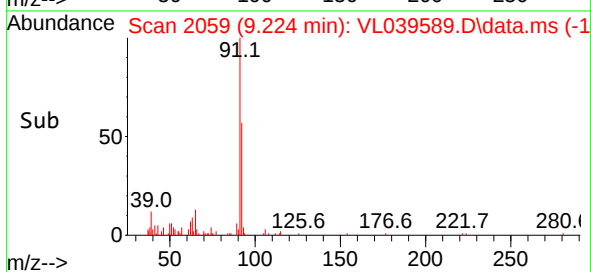
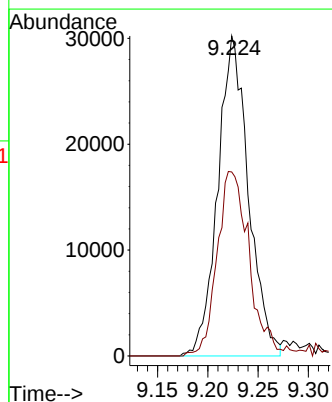
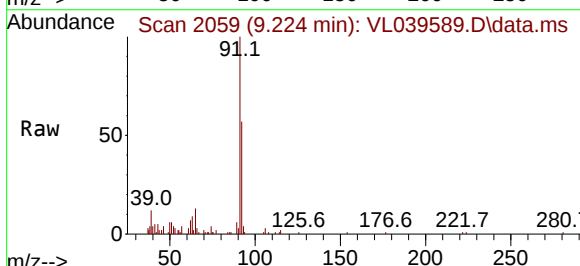
RT: 9.224 min Scan# 2059

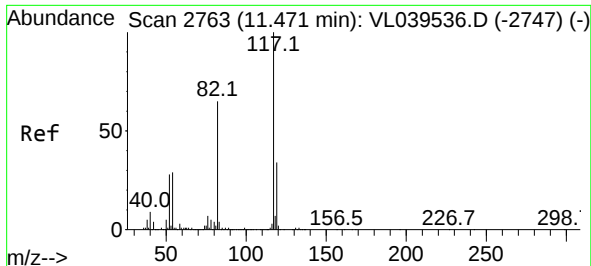
Delta R.T. -0.003 min

Lab File: VL039589.D

Acq: 25 Aug 2022 22:24

Tgt Ion: 91	Resp: 64183
Ion Ratio	Lower Upper
91	100
92	60.6 48.2 72.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.468 min Scan# 21

Delta R.T. -0.003 min

Lab File: VL039589.D

Acq: 25 Aug 2022 22:24

Instrument :

MSVOA_L

ClientSampleId :

OA1

Tgt Ion:117 Resp: 2095190

Ion Ratio Lower Upper

117 100

82 65.0 50.8 76.2

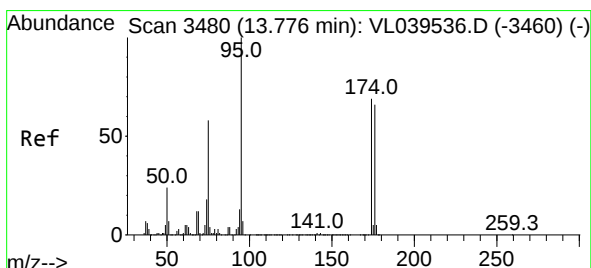
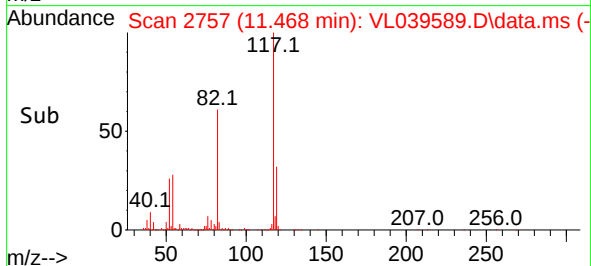
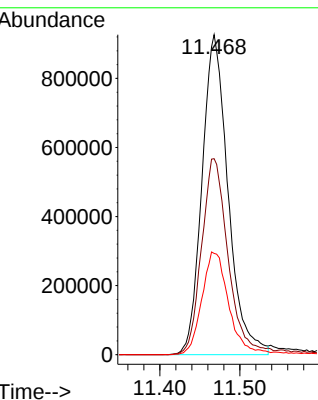
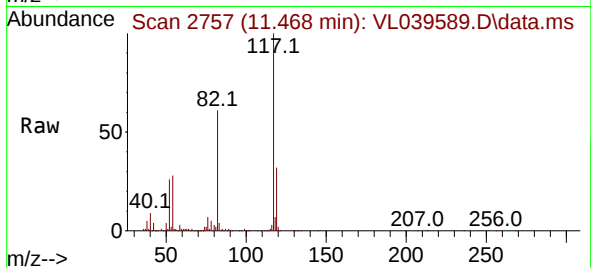
119 33.9 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 08/29/2022

Supervised By :Semsettin Yesilyurt 08/29/2022



#68

1-Bromo-4-Fluorobenzene

Concen: 9.941 ppbv

RT: 13.780 min Scan# 3476

Delta R.T. 0.004 min

Lab File: VL039589.D

Acq: 25 Aug 2022 22:24

Tgt Ion: 95 Resp: 1571331

Ion Ratio Lower Upper

95 100

174 74.7 55.9 83.9

175 5.4 4.2 6.4

