

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
 Data File : VL039655.D
 Acq On : 22 Sep 2022 4:15
 Operator : SY/AP
 Sample : N4669-08
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PG0

Manual Integrations
 APPROVED

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

Quant Time: Sep 22 08:26:28 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	5.221	49	953242	10.000	ppbv	0.01
33) 1,4-Difluorobenzene	6.680	114	2441405	10.000	ppbv	0.02
55) Chlorobenzene-d5	11.491	117	2314531	10.000	ppbv	0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	13.799	95	1752872	10.145	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.500%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.761	85	22561	0.204	ppbv	91
3) Chlorodifluoromethane	2.684	51	101609	0.898	ppbv #	69
4) Chloromethane	2.845	50	22132	0.324	ppbv	94
11) Trichlorofluoromethane	3.597	101	1066180	7.790	ppbv	100
13) Ethanol	3.275	45	5369487	1364.004	ppbv	71
15) Acetone	3.497	43	3361957	31.695	ppbv	99
17) tert-Butyl alcohol	3.931	59	138305m	1.453	ppbv	
20) Methylene Chloride	3.967	84	43158	0.880	ppbv	99
25) Ethyl Acetate	5.234	43	348695	1.508	ppbv #	97
29) Chloroform	5.304	83	138222	0.975	ppbv	99
34) 2-Butanone	4.819	43	252274	2.104	ppbv	99
35) Carbon Tetrachloride	6.520	117	13261	0.102	ppbv #	78
36) Benzene	6.394	78	28468	0.153	ppbv #	79
41) Tetrahydrofuran	5.587	42	111646m	1.518	ppbv	
52) Tetrachloroethene	10.638	164	8725m	0.123	ppbv	
53) Toluene	9.246	91	222739	1.073	ppbv	98
58) Ethyl Benzene	12.118	91	22548m	0.084	ppbv	
60) o-Xylene	13.079	91	18230	0.080	ppbv	81

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

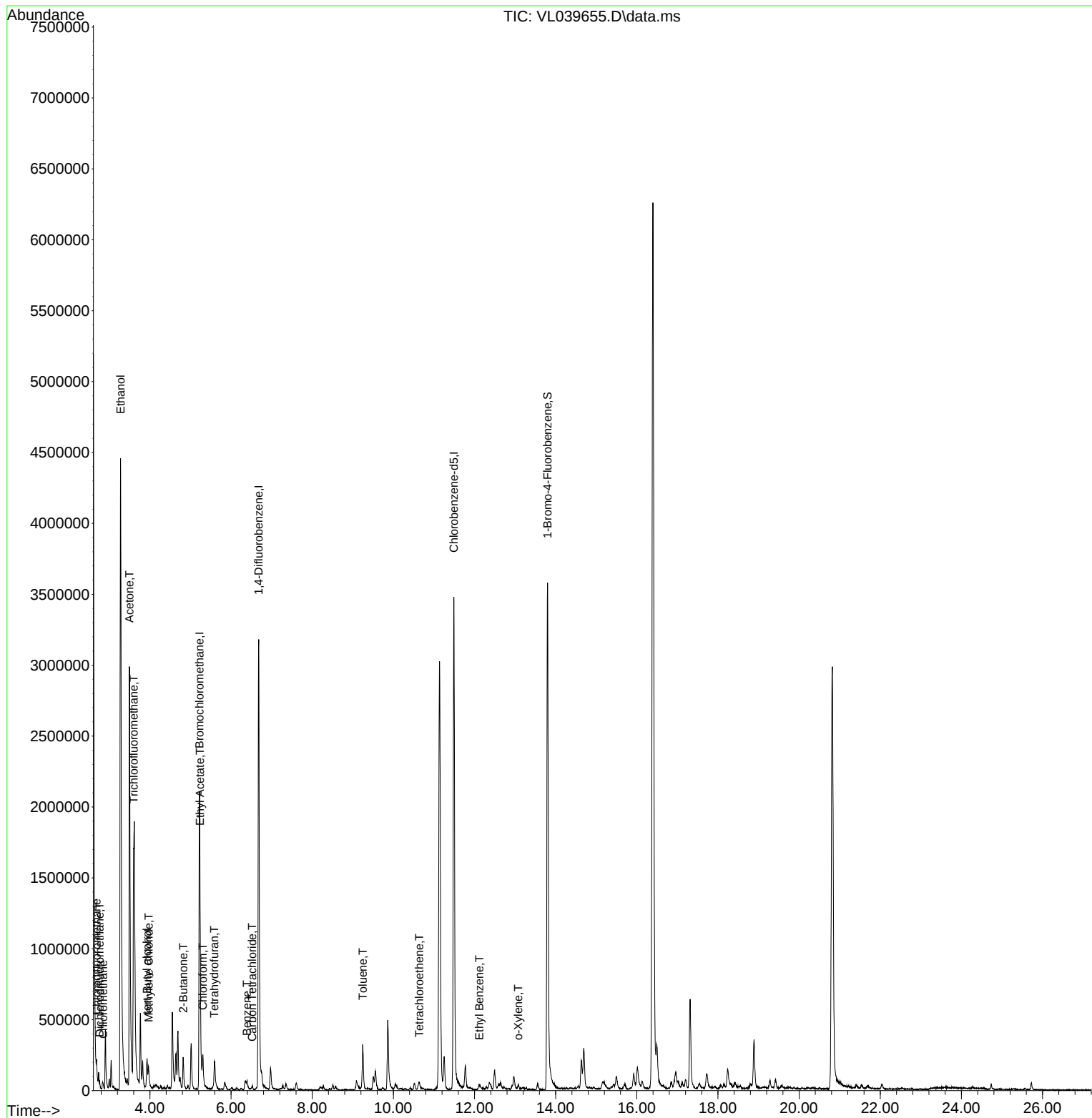
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL092122\
Data File : VL039655.D
Acq On : 22 Sep 2022 4:15
Operator : SY/AP
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Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

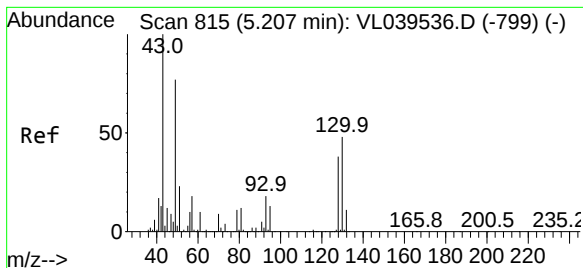
Instrument :
MSVOA_L
ClientSampleId :
C0PG0

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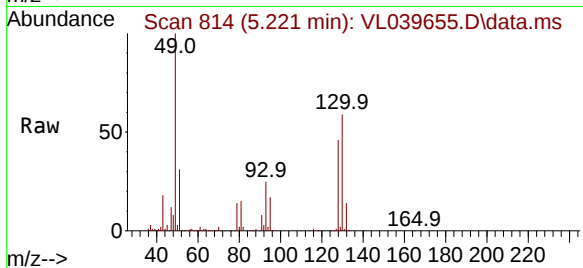
Quant Time: Sep 22 08:26:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_L\methods\VL091922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Mon Sep 19 14:26:28 2022
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.221 min Scan# 81
Delta R.T. 0.014 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

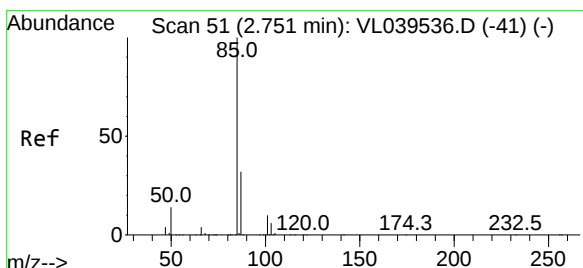
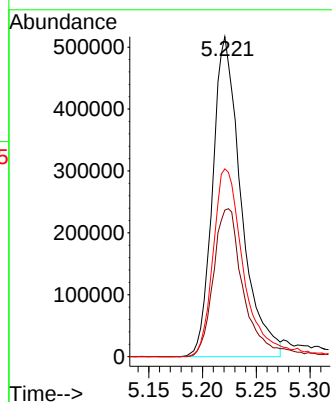
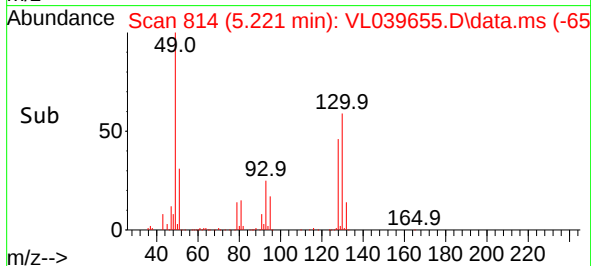
Instrument :
MSVOA_L
ClientSampleId :
COPG0



Tgt Ion: 49 Resp: 95324
Ion Ratio Lower Upper
49 100
128 50.6 26.7 80.0
130 65.2 34.3 102.8

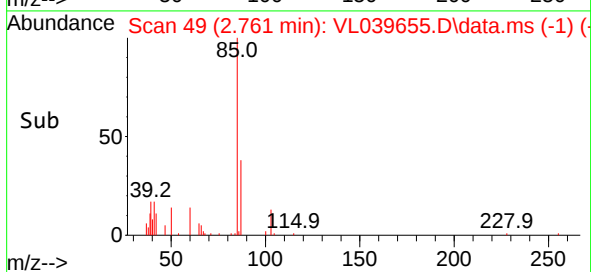
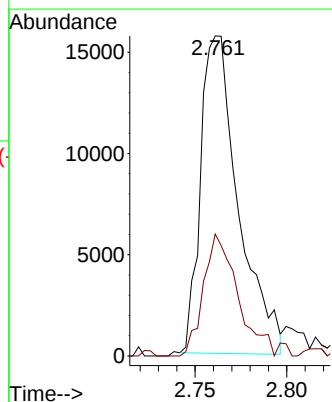
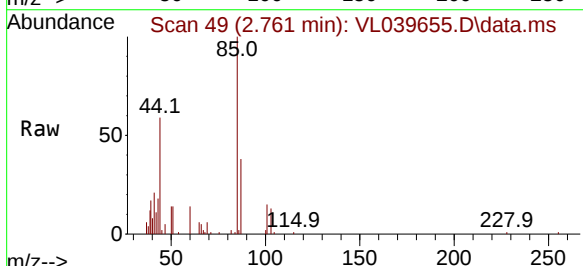
Manual Integrations
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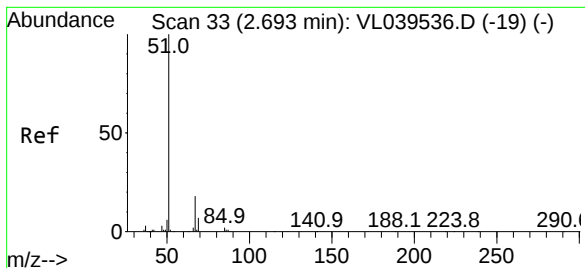
Reviewed By :Semsettin Yesilyurt 09/22/2022
Supervised By :Mahesh Dadoda 09/28/2022



#2
Dichlorodifluoromethane
Concen: 0.204 ppbv
RT: 2.761 min Scan# 49
Delta R.T. 0.010 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

Tgt Ion: 85 Resp: 22561
Ion Ratio Lower Upper
85 100
87 38.5 26.7 40.1





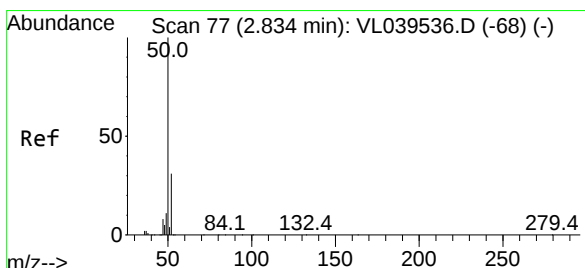
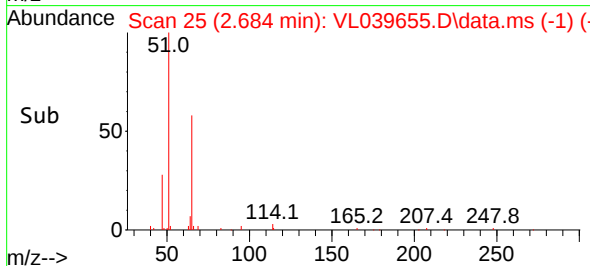
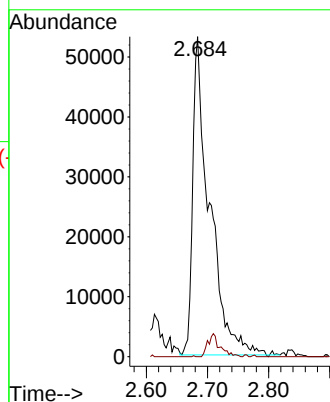
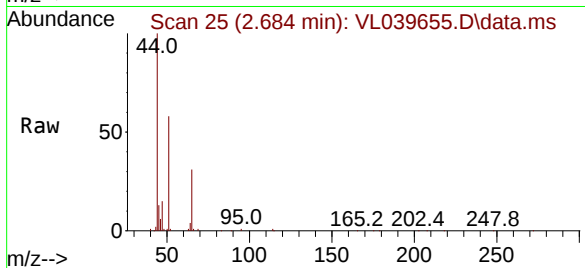
#3
Chlorodifluoromethane
Concen: 0.898 ppbv
RT: 2.684 min Scan# 21
Delta R.T. -0.009 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

Instrument :
MSVOA_L
ClientSampleId :
C0PG0

Tgt Ion: 51 Resp: 101609
Ion Ratio Lower Upper
51 100
67 5.4 15.7 23.5

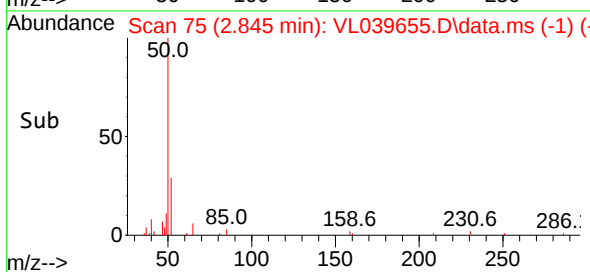
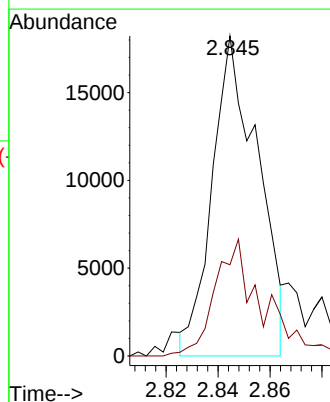
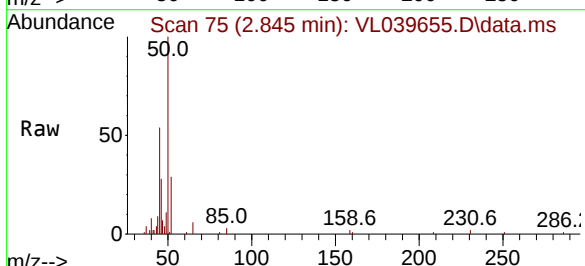
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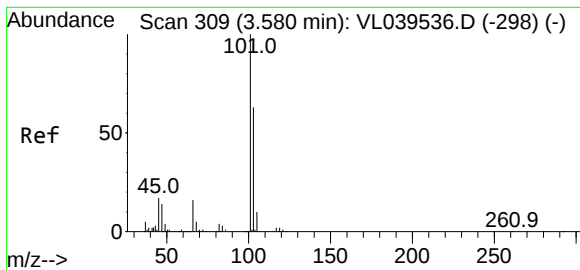
Reviewed By :Semsettin Yesilyurt 09/22/2022
Supervised By :Mahesh Dadoda 09/28/2022



#4
Chloromethane
Concen: 0.324 ppbv
RT: 2.845 min Scan# 75
Delta R.T. 0.010 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

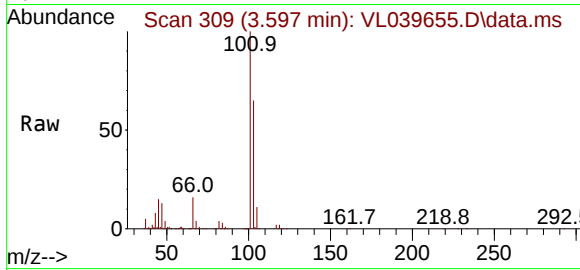
Tgt Ion: 50 Resp: 22132
Ion Ratio Lower Upper
50 100
52 29.5 26.5 39.7





#11
Trichlorofluoromethane
Concen: 7.790 ppbv
RT: 3.597 min Scan# 309
Delta R.T. 0.017 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

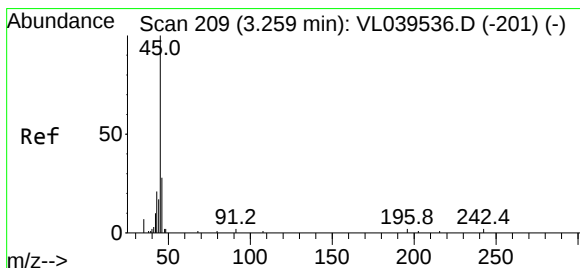
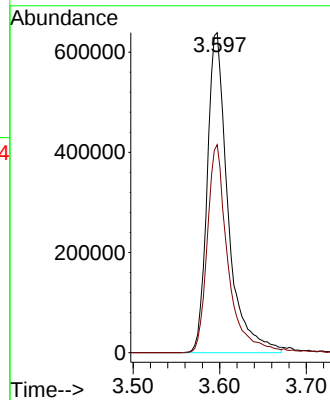
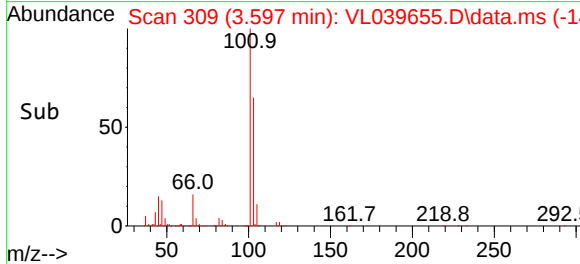
Instrument :
MSVOA_L
ClientSampleId :
C0PG0



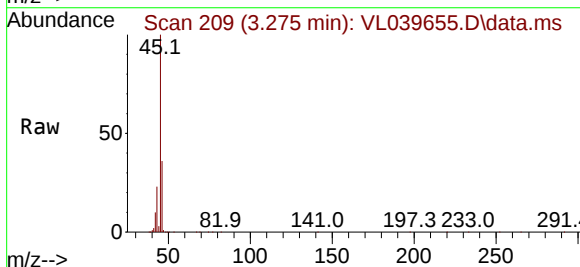
Tgt Ion:101 Resp: 1066180
Ion Ratio Lower Upper
101 100
103 65.0 51.8 77.8

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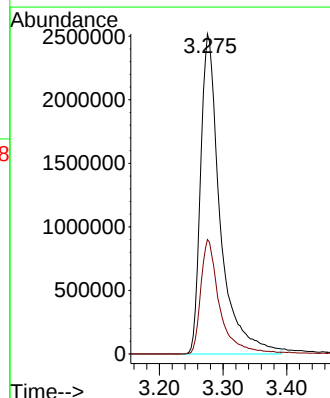
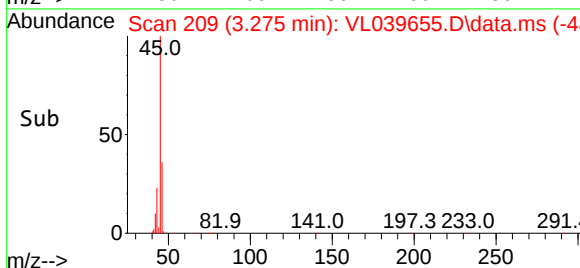
Reviewed By :Semsettin Yesilyurt 09/22/2022
Supervised By :Mahesh Dadoda 09/28/2022

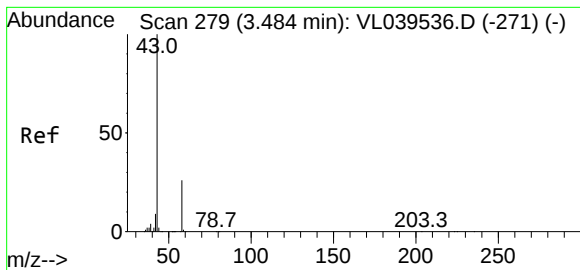


#13
Ethanol
Concen: 1364.004 ppbv
RT: 3.275 min Scan# 209
Delta R.T. 0.017 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15



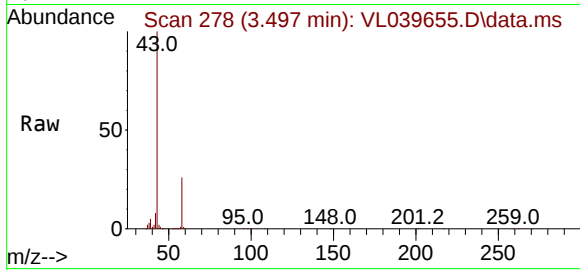
Tgt Ion: 45 Resp: 5369487
Ion Ratio Lower Upper
45 100
46 35.4 22.8 91.2





#15
Acetone
Concen: 31.695 ppbv
RT: 3.497 min Scan# 21
Delta R.T. 0.014 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

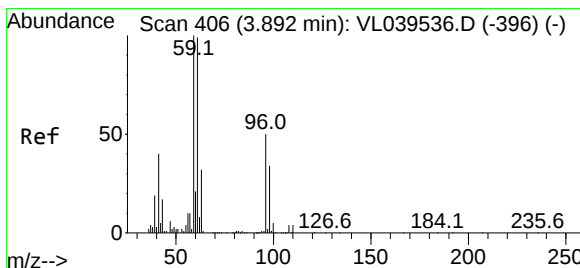
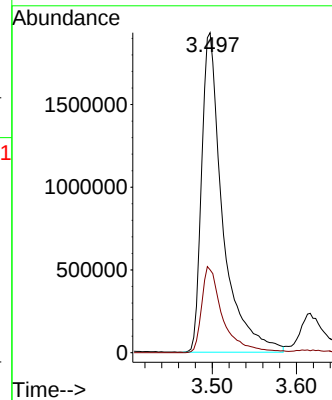
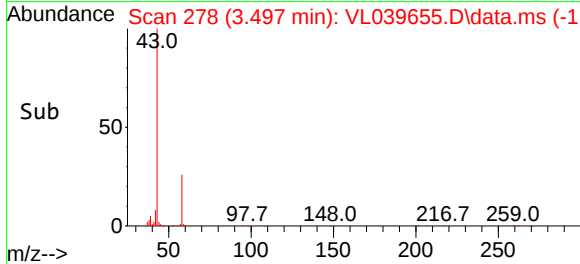
Instrument :
MSVOA_L
ClientSampleId :
C0PG0



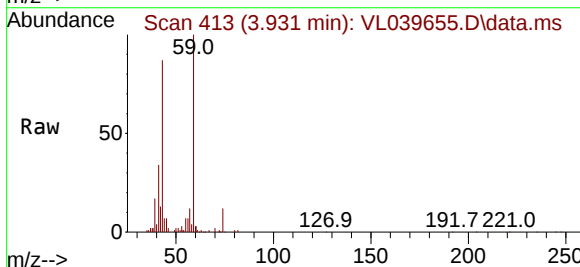
Tgt Ion: 43 Resp: 336195
Ion Ratio Lower Upper
43 100
58 27.0 21.0 31.6

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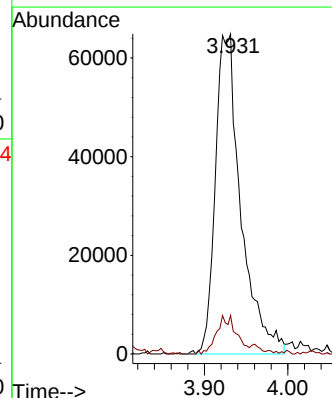
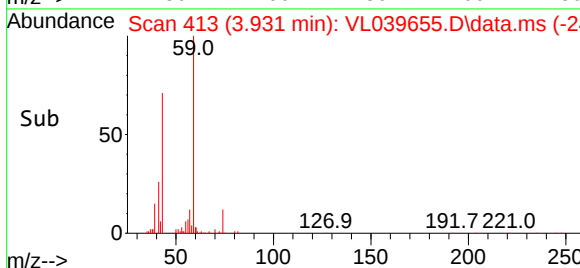
Reviewed By :Semsettin Yesilyurt 09/22/2022
Supervised By :Mahesh Dadoda 09/28/2022

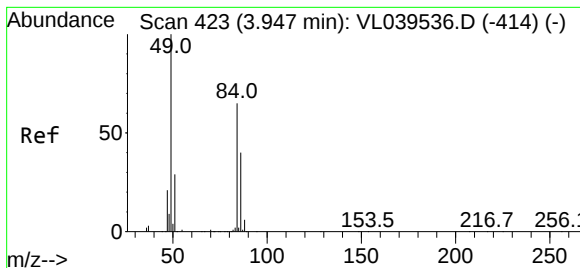


#17
tert-Butyl alcohol
Concen: 1.453 ppbv m
RT: 3.931 min Scan# 413
Delta R.T. 0.039 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15



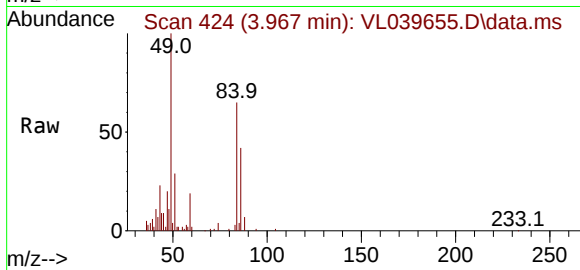
Tgt Ion: 59 Resp: 138305
Ion Ratio Lower Upper
59 100
57 10.7 8.7 13.1





#20
Methylene Chloride
Concen: 0.880 ppbv
RT: 3.967 min Scan# 415
Delta R.T. 0.020 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

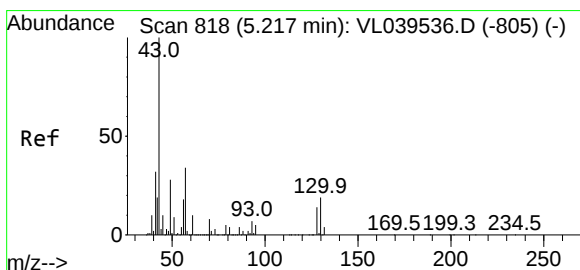
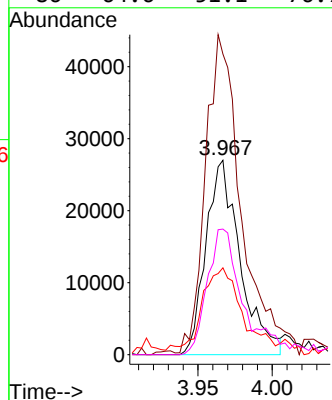
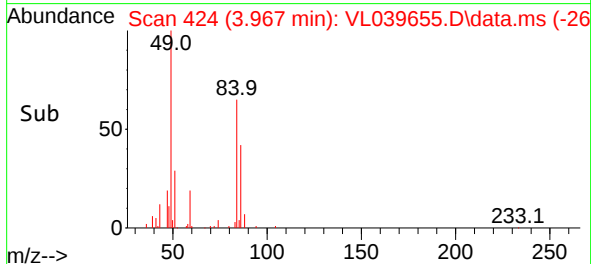
Instrument :
MSVOA_L
ClientSampleId :
C0PG0



Tgt Ion: 84 Resp: 43158
Ion Ratio Lower Upper
84 100
49 155.0 123.1 184.7
51 40.5 34.4 51.6
86 64.6 51.1 76.7

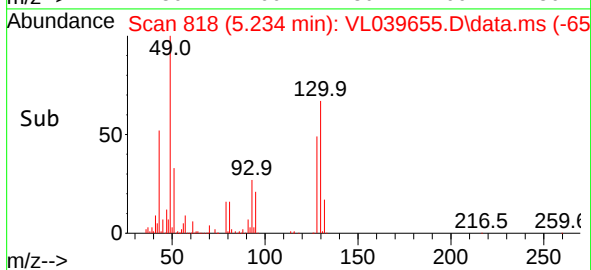
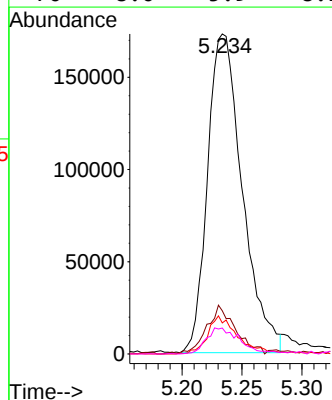
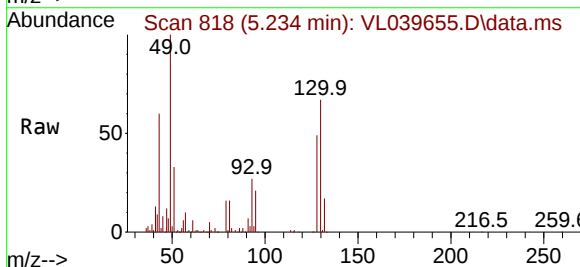
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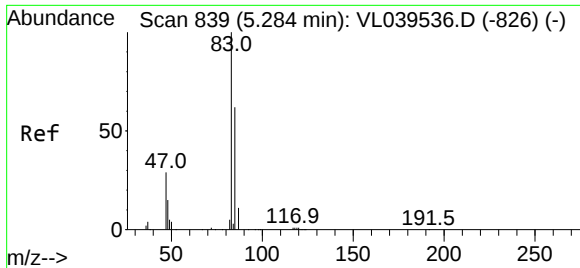
Reviewed By :Semsettin Yesilyurt 09/22/2022
Supervised By :Mahesh Dadoda 09/28/2022



#25
Ethyl Acetate
Concen: 1.508 ppbv
RT: 5.234 min Scan# 818
Delta R.T. 0.017 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

Tgt Ion: 43 Resp: 348695
Ion Ratio Lower Upper
43 100
45 12.9 8.2 12.4#
61 10.8 8.3 12.5
70 8.0 5.9 8.9





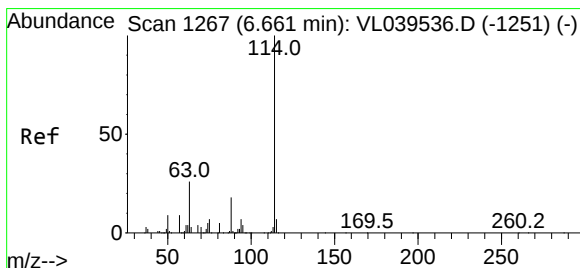
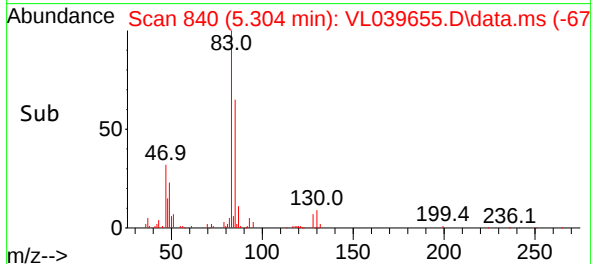
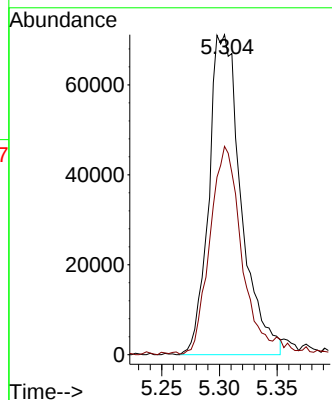
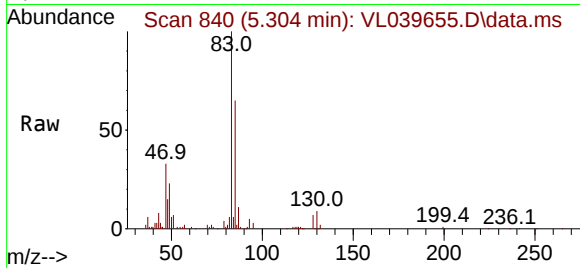
#29
Chloroform
Concen: 0.975 ppbv
RT: 5.304 min Scan# 84
Delta R.T. 0.020 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

Instrument :
MSVOA_L
ClientSampleId :
COPG0

Tgt Ion: 83 Resp: 13822
Ion Ratio Lower Upper
83 100
85 64.9 52.8 79.2

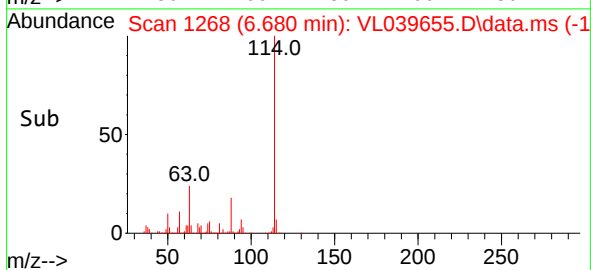
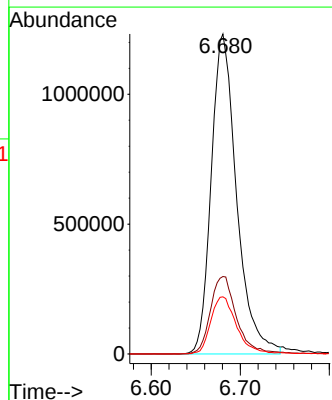
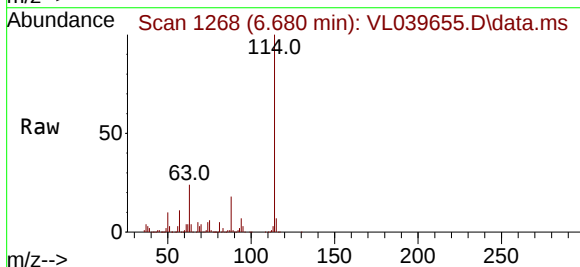
Manual Integrations
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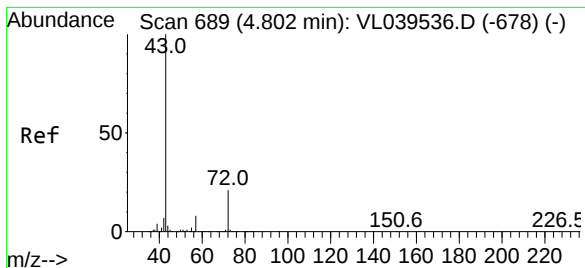
Reviewed By :Semsettin Yesilyurt 09/22/2022
Supervised By :Mahesh Dadoda 09/28/2022



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 6.680 min Scan# 1268
Delta R.T. 0.020 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

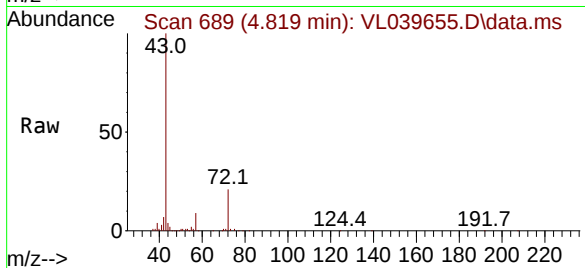
Tgt Ion:114 Resp: 2441405
Ion Ratio Lower Upper
114 100
63 25.2 20.2 30.4
88 18.5 14.5 21.7





#34
2-Butanone
Concen: 2.104 ppbv
RT: 4.819 min Scan# 61
Delta R.T. 0.017 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

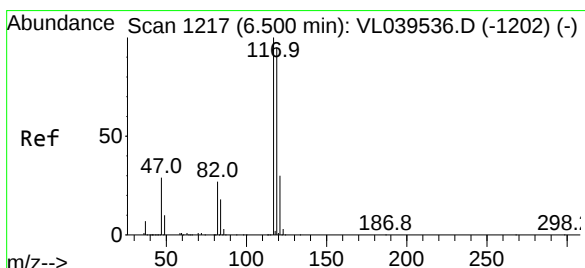
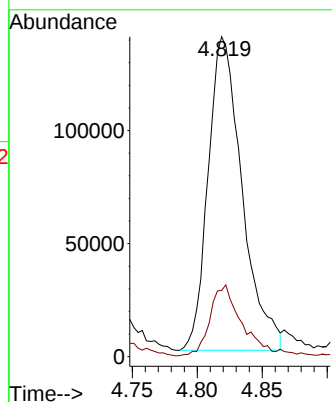
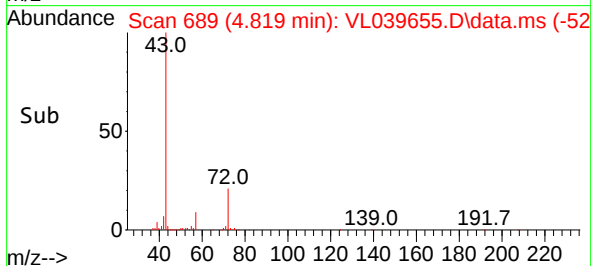
Instrument :
MSVOA_L
ClientSampleId :
C0PG0



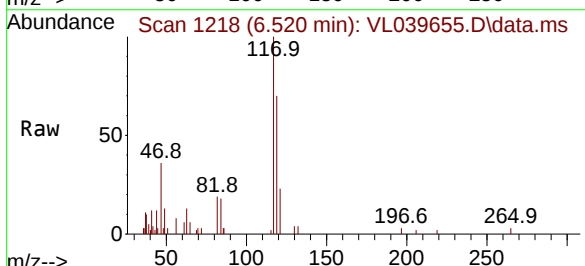
Tgt Ion: 43 Resp: 252274
Ion Ratio Lower Upper
43 100
72 23.0 17.9 26.9

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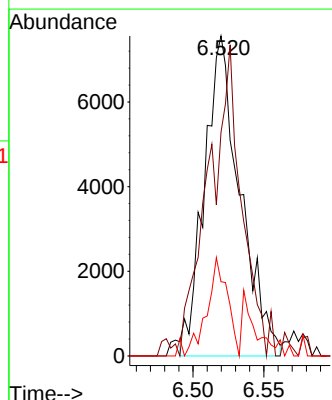
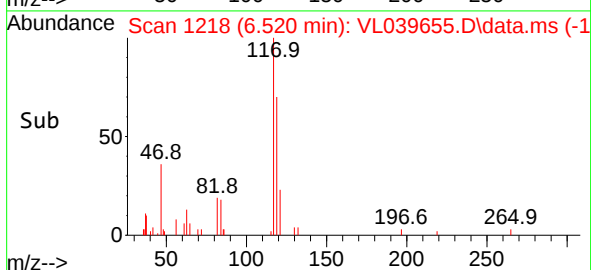
Reviewed By :Semsettin Yesilyurt 09/22/2022
Supervised By :Mahesh Dadoda 09/28/2022

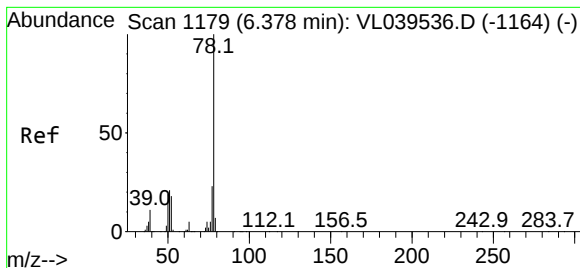


#35
Carbon Tetrachloride
Concen: 0.102 ppbv
RT: 6.520 min Scan# 1218
Delta R.T. 0.020 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15



Tgt Ion:117 Resp: 13261
Ion Ratio Lower Upper
117 100
119 72.3 75.4 113.2#
121 18.8 24.2 36.2#





#36

Benzene

Concen: 0.153 ppbv

RT: 6.394 min Scan# 1179

Delta R.T. 0.017 min

Lab File: VL039655.D

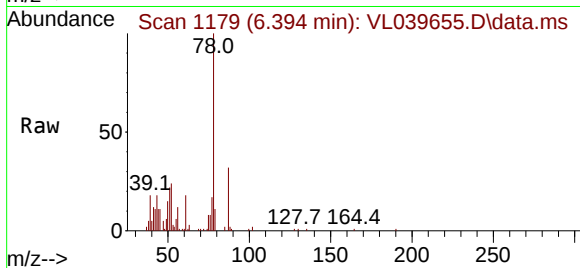
Acq: 22 Sep 2022 4:15

Instrument :

MSVOA_L

ClientSampleId :

C0PG0



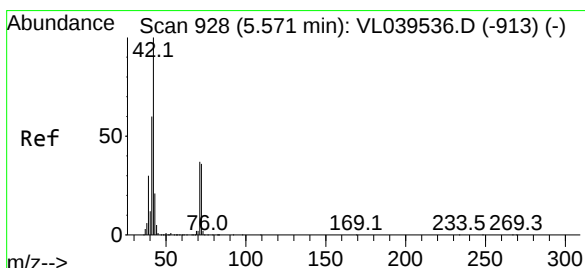
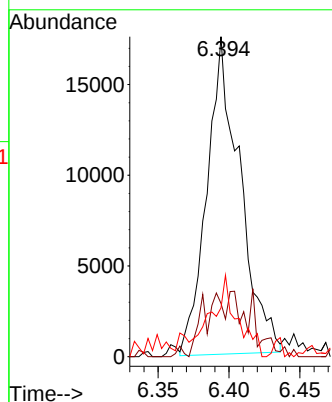
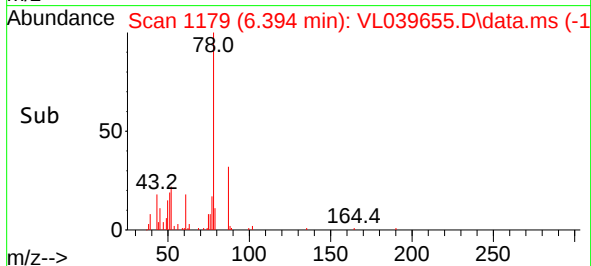
Tgt Ion	Ratio	Lower	Upper
78	100		
77	15.4	20.3	30.5
50	9.4	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 09/22/2022

Supervised By :Mahesh Dadoda 09/28/2022



#41

Tetrahydrofuran

Concen: 1.518 ppbv m

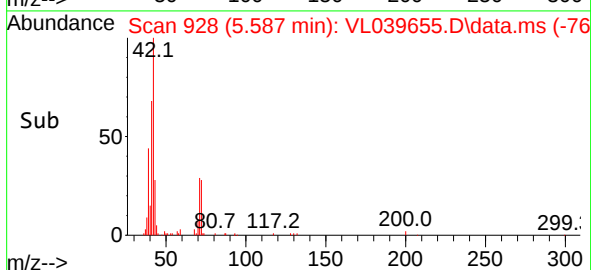
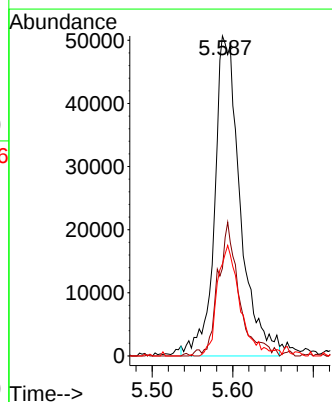
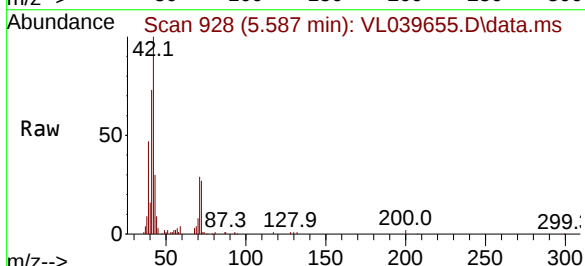
RT: 5.587 min Scan# 928

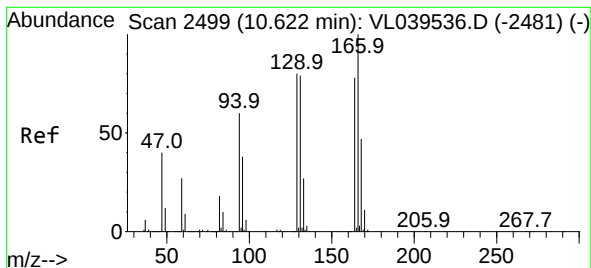
Delta R.T. 0.017 min

Lab File: VL039655.D

Acq: 22 Sep 2022 4:15

Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.8	47.8#
71	0.0	31.8	47.8#





#52

Tetrachloroethene

Concen: 0.123 ppbv m

RT: 10.638 min Scan# 2499

Delta R.T. 0.017 min

Lab File: VL039655.D

Acq: 22 Sep 2022 4:15

Instrument :

MSVOA_L

ClientSampleId :

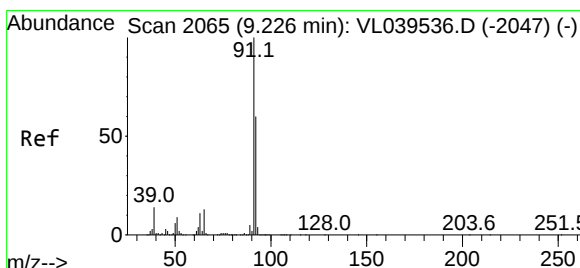
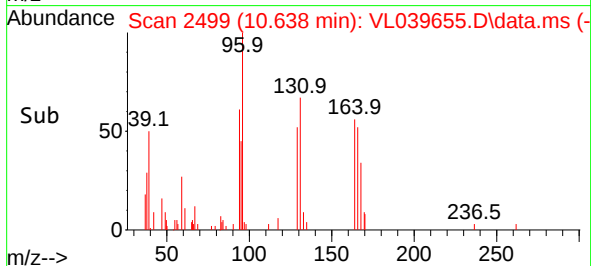
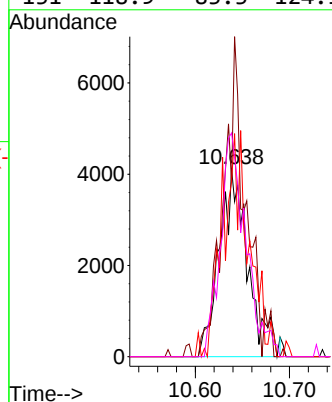
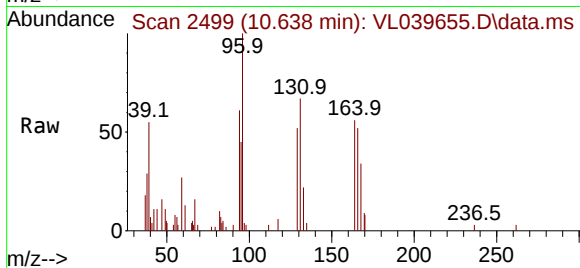
C0PG0

Tgt Ion:	164	Resp:	872
Ion Ratio	Lower	Upper	
164	100		
166	92.2	102.2	153.2
129	92.9	85.8	128.8
131	118.9	83.3	124.9

Manual Integrations

APPROVED

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



#53

Toluene

Concen: 1.073 ppbv

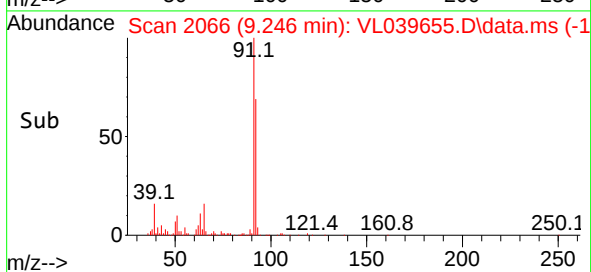
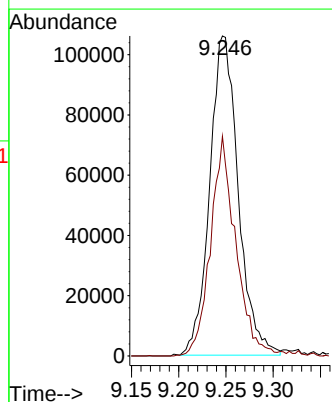
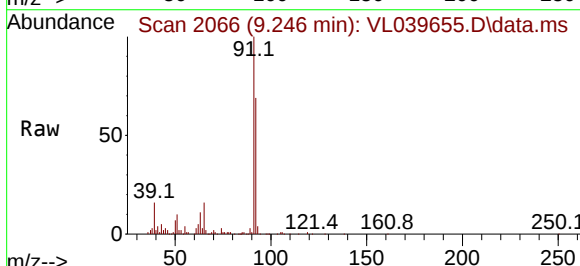
RT: 9.246 min Scan# 2066

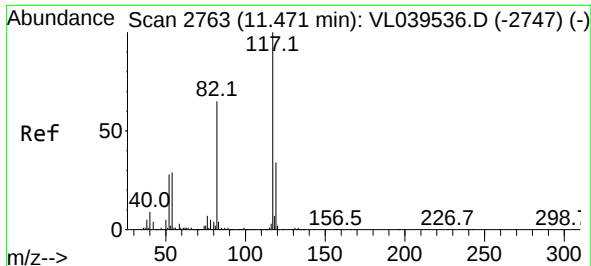
Delta R.T. 0.020 min

Lab File: VL039655.D

Acq: 22 Sep 2022 4:15

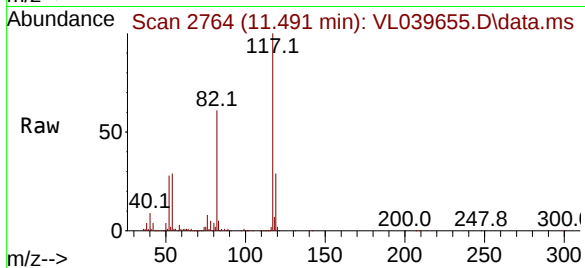
Tgt Ion:	91	Resp:	222739
Ion Ratio	Lower	Upper	
91	100		
92	61.8	48.2	72.2





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 11.491 min Scan# 21
Delta R.T. 0.020 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

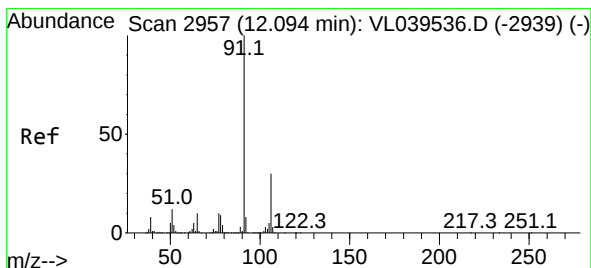
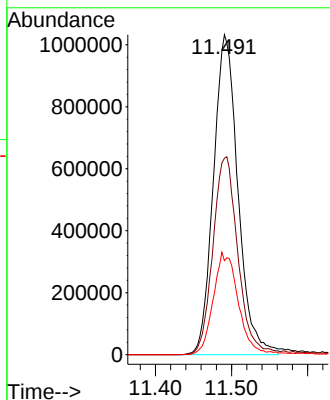
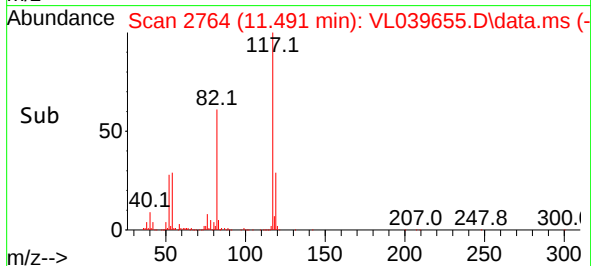
Instrument :
MSVOA_L
ClientSampleId :
C0PG0



Tgt Ion:117 Resp: 231453
Ion Ratio Lower Upper
117 100
82 64.3 50.8 76.2
119 33.2 24.1 36.1

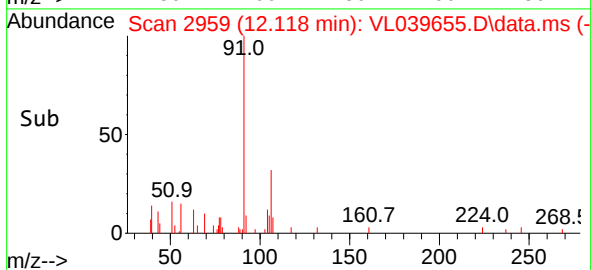
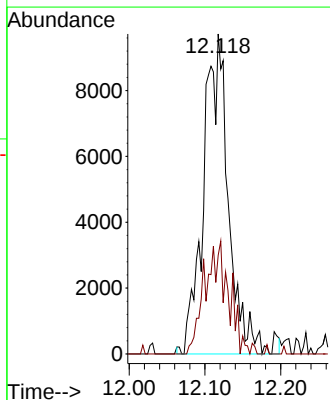
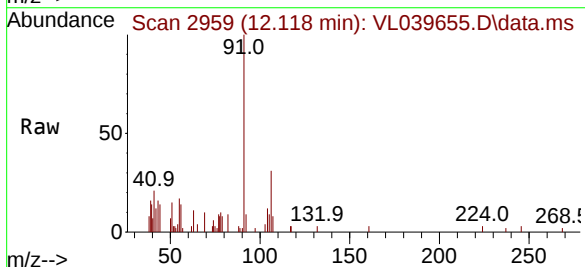
Manual Integrations
APPROVED

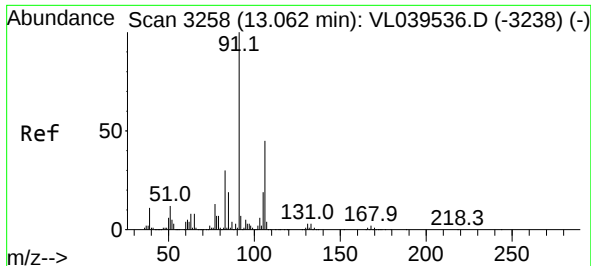
Reviewed By :Semsettin Yesilyurt 09/22/2022
Supervised By :Mahesh Dadoda 09/28/2022



#58
Ethyl Benzene
Concen: 0.084 ppbv m
RT: 12.118 min Scan# 2959
Delta R.T. 0.023 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

Tgt Ion: 91 Resp: 22548
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.0





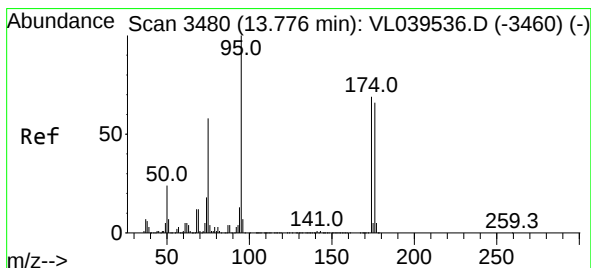
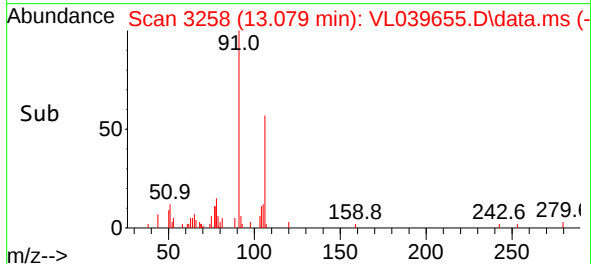
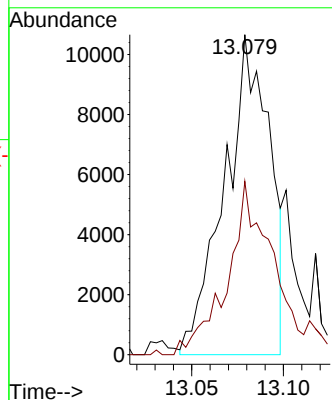
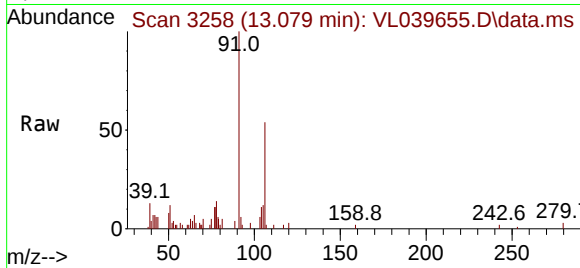
#60
o-Xylene
Concen: 0.080 ppbv
RT: 13.079 min Scan# 31
Delta R.T. 0.017 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

Instrument :
MSVOA_L
ClientSampleId :
COPG0

Tgt Ion: 91 Resp: 18230
Ion Ratio Lower Upper
91 100
106 57.0 22.4 67.3

Manual Integrations
APPROVED

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



#68
1-Bromo-4-Fluorobenzene
Concen: 10.145 ppbv
RT: 13.799 min Scan# 3482
Delta R.T. 0.023 min
Lab File: VL039655.D
Acq: 22 Sep 2022 4:15

Tgt Ion: 95 Resp: 1752872
Ion Ratio Lower Upper
95 100
174 71.4 55.9 83.9
175 5.1 4.2 6.4

