

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
 Data File : VL037992.D
 Acq On : 9 Nov 2021 23:26
 Operator : SY/AP
 Sample : M4555-06
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 COU06

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021

Quant Time: Nov 10 04:50:33 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Nov 9 04:50:33 2021

QLast Update : Tue Nov 02 05:54:07 2021

Response via : Initial Calibration

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

Internal Standards						
1) Bromochloromethane	5.668	49	1300110	10.000	ppbv	0.00
33) 1,4-Difluorobenzene	7.172	114	3735813	10.000	ppbv	0.00
55) Chlorobenzene-d5	12.079	117	3175786	10.000	ppbv	0.00
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.410	95	2202859	9.543	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.400%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.057	85	52688	0.288	ppbv	96
3) Chlorodifluoromethane	2.989	51	60246m	0.249	ppbv	
4) Chloromethane	3.147	50	48639m	0.529	ppbv	
9) Propene	3.021	41	79415	0.915	ppbv	84
11) Trichlorofluoromethane	3.954	101	35970	0.197	ppbv	94
13) Ethanol	3.607	45	3938421	449.885	ppbv	88
15) Acetone	3.851	43	1403764	13.067	ppbv	100
17) tert-Butyl alcohol	4.298	59	226148	2.025	ppbv	99
19) Isopropyl Alcohol	3.970	45	1919608	27.942	ppbv #	92
20) Methylene Chloride	4.346	84	994579	16.863	ppbv	96
26) Hexane	5.687	57	933420	6.174	ppbv #	48
34) 2-Butanone	5.246	43	65462	0.473	ppbv	96
35) Carbon Tetrachloride	7.015	117	11144m	0.049	ppbv	
36) Benzene	6.889	78	40017m	0.132	ppbv	
52) Tetrachloroethene	11.214	164	3702m	0.032	ppbv	
53) Toluene	9.802	91	157910	0.484	ppbv	96
59) m/p-Xylene	12.957	91	68393m	0.198	ppbv	

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

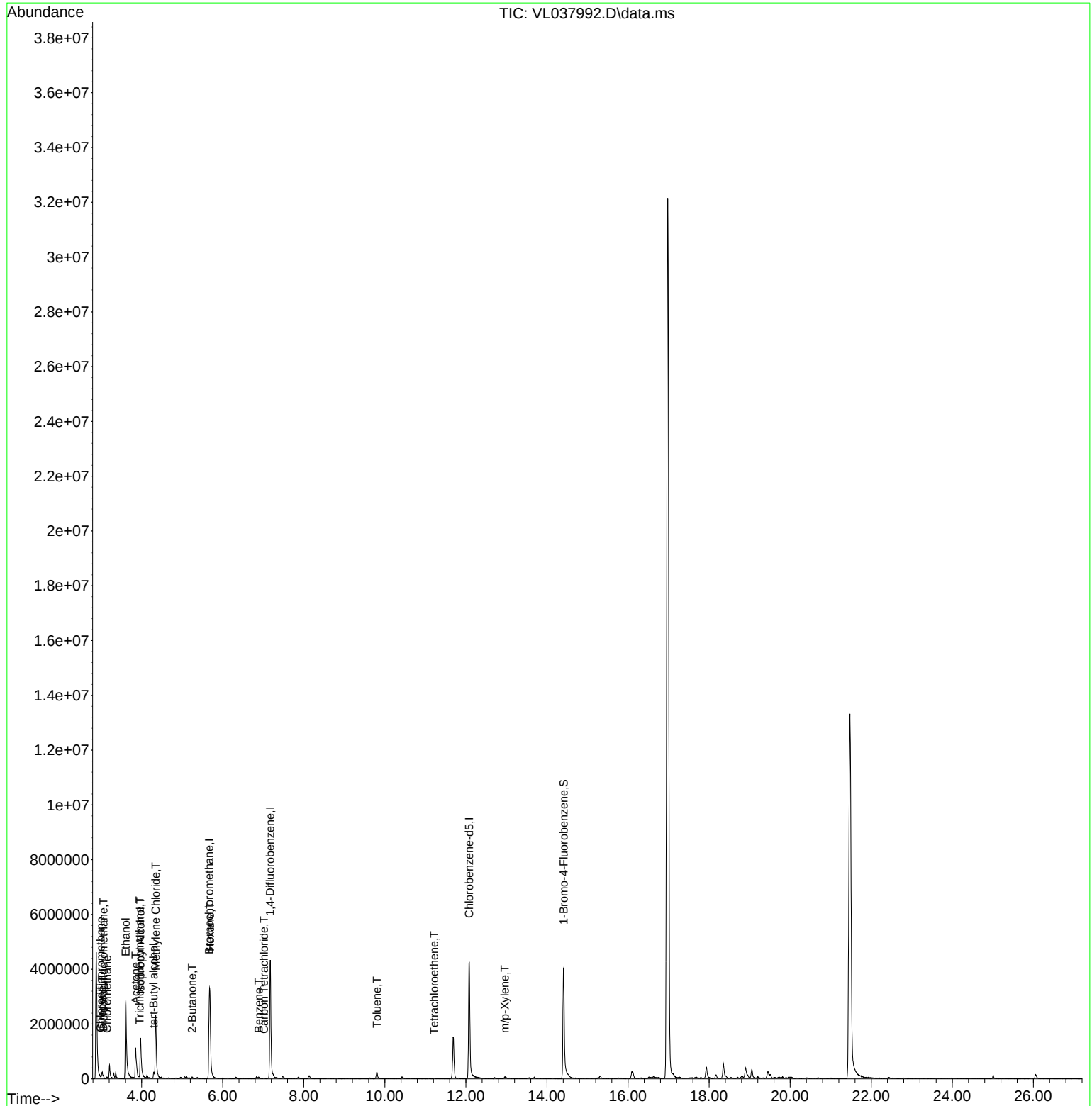
Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL110921\
Data File : VL037992.D
Acq On : 9 Nov 2021 23:26
Operator : SY/AP
Sample : M4555-06
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

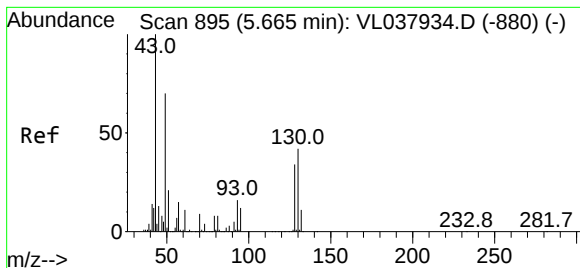
Instrument :
MSVOA_L
ClientSampleId :
C0U06

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

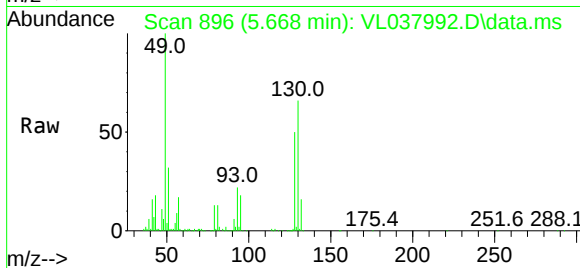
Quant Time: Nov 10 04:50:33 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL110121AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov
QLast Update : Tue Nov 02 05:54:07 2021
Response via : Initial Calibration





#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.668 min Scan# 895
Delta R.T. 0.003 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26

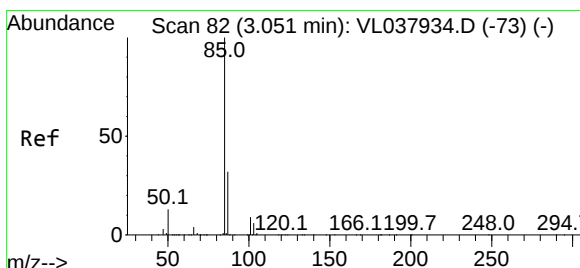
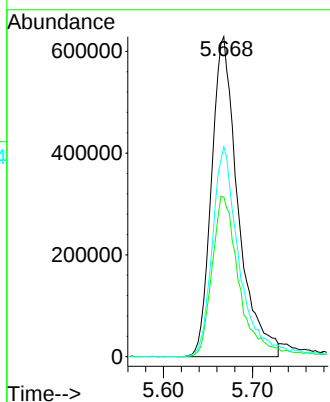
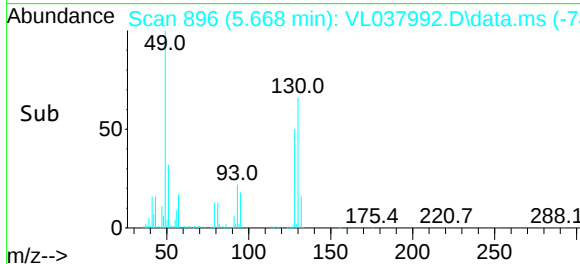
Instrument :
MSVOA_L
ClientSampleId :
COU06



Tgt Ion: 49 Resp: 1300110
Ion Ratio Lower Upper
49 100
128 52.8 27.0 81.0
130 68.2 33.4 100.2

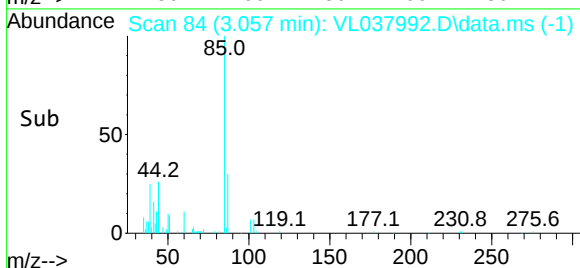
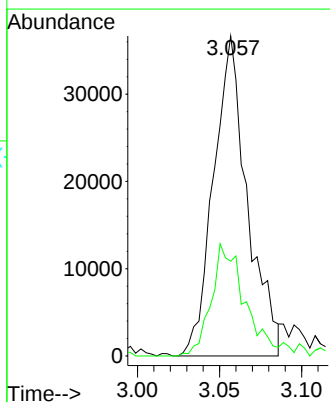
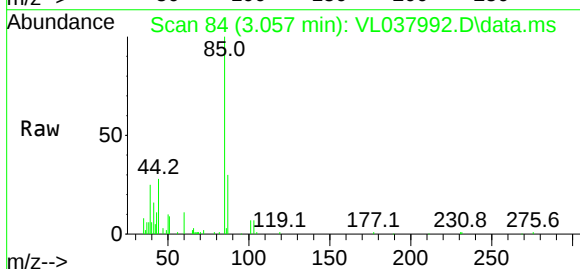
Manual Integrations
APPROVED

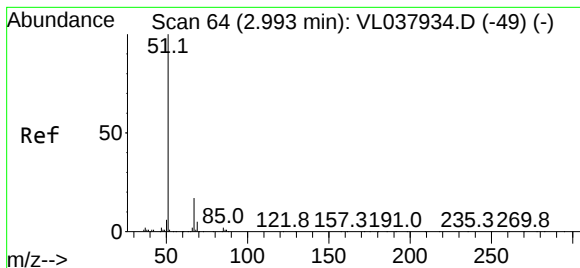
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#2
Dichlorodifluoromethane
Concen: 0.288 ppbv
RT: 3.057 min Scan# 84
Delta R.T. 0.006 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26

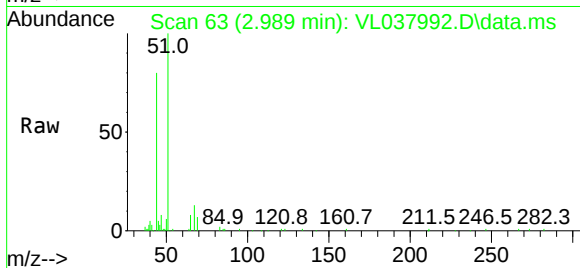
Tgt Ion: 85 Resp: 52688
Ion Ratio Lower Upper
85 100
87 29.6 25.3 37.9





#3
Chlorodifluoromethane
Concen: 0.249 ppbv m
RT: 2.989 min Scan# 61
Delta R.T. -0.003 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26

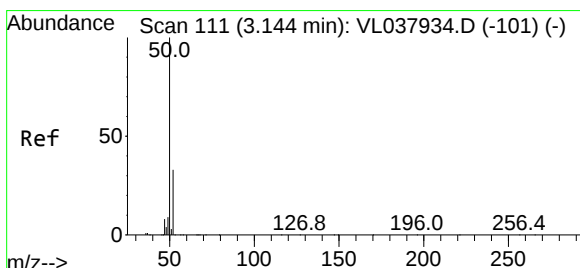
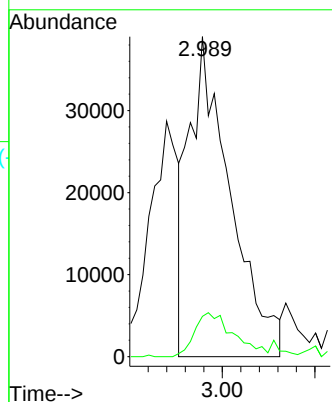
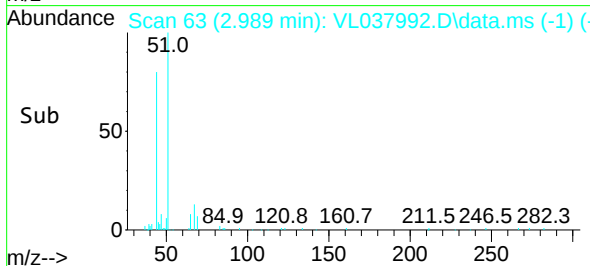
Instrument :
MSVOA_L
ClientSampleId :
COU06



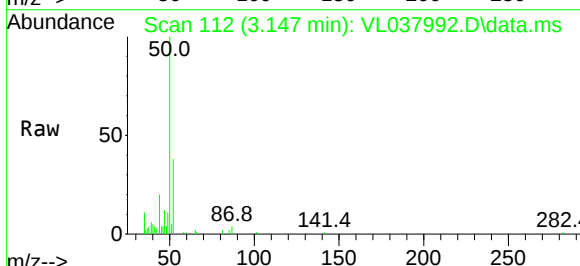
Tgt Ion: 51 Resp: 60240
Ion Ratio Lower Upper
51 100
67 14.4 13.4 20.0

Manual Integrations
APPROVED

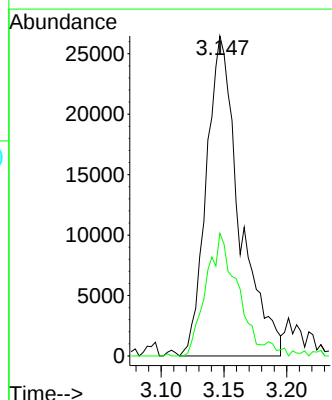
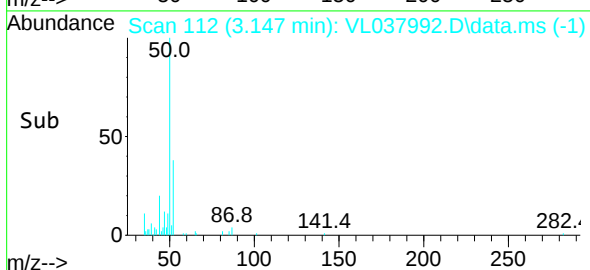
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

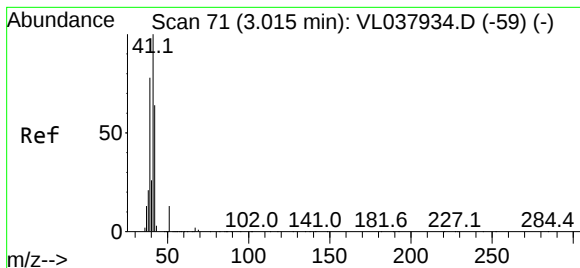


#4
Chloromethane
Concen: 0.529 ppbv m
RT: 3.147 min Scan# 112
Delta R.T. 0.003 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26



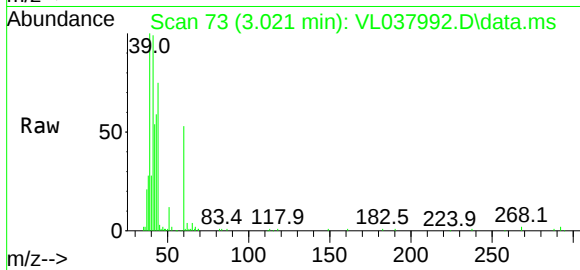
Tgt Ion: 50 Resp: 48639
Ion Ratio Lower Upper
50 100
52 38.3 26.3 39.5





#9
 Propene
 Concen: 0.915 ppbv
 RT: 3.021 min Scan# 71
 Delta R.T. 0.006 min
 Lab File: VL037992.D
 Acq: 9 Nov 2021 23:26

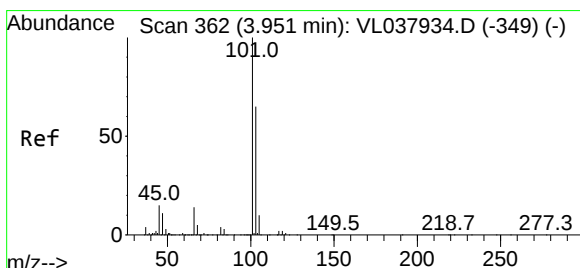
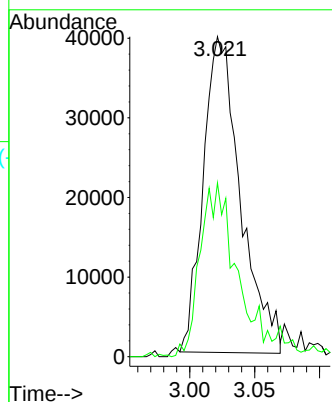
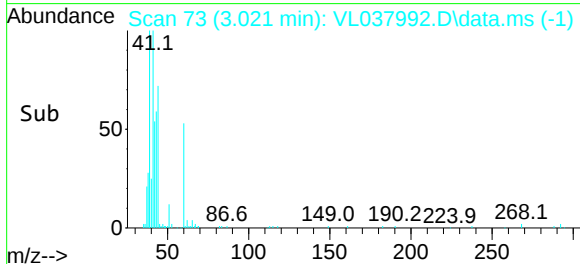
Instrument :
 MSVOA_L
 ClientSampleId :
 C0U06



Tgt Ion: 41 Resp: 7941
 Ion Ratio Lower Upper
 41 100
 42 59.0 57.6 86.4

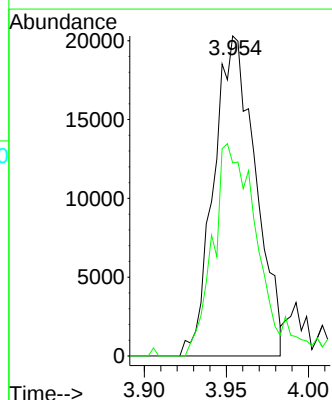
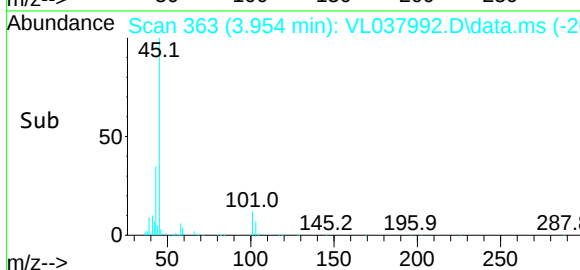
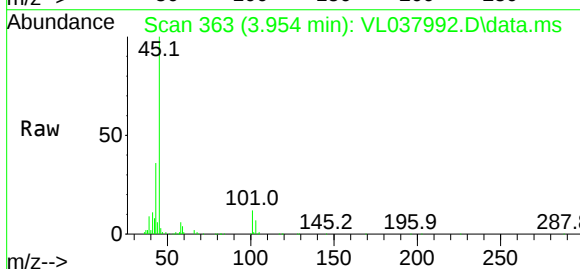
Manual Integrations
 APPROVED

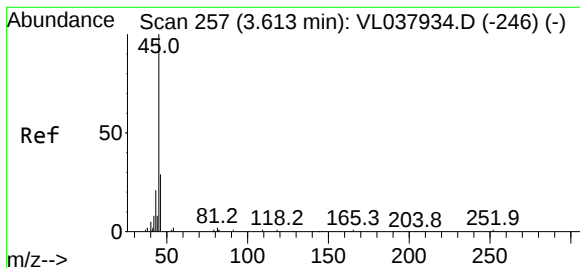
Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021



#11
 Trichlorofluoromethane
 Concen: 0.197 ppbv
 RT: 3.954 min Scan# 363
 Delta R.T. 0.003 min
 Lab File: VL037992.D
 Acq: 9 Nov 2021 23:26

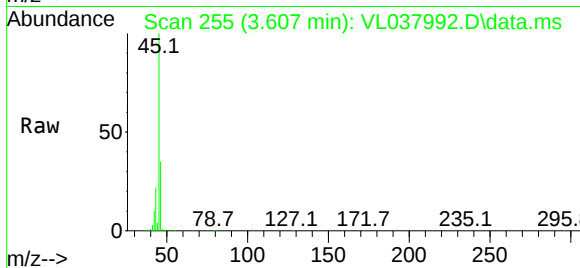
Tgt Ion:101 Resp: 35970
 Ion Ratio Lower Upper
 101 100
 103 60.4 52.0 78.0





#13
Ethanol
Concen: 449.885 ppbv
RT: 3.607 min Scan# 21
Delta R.T. -0.007 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26

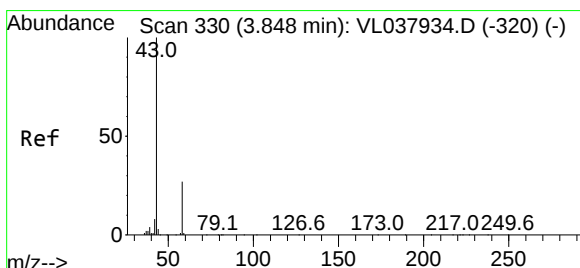
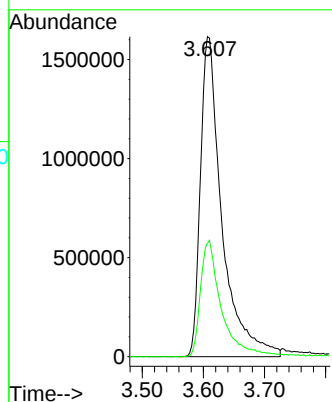
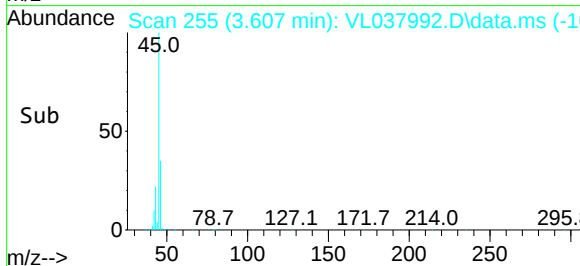
Instrument :
MSVOA_L
ClientSampleId :
COU06



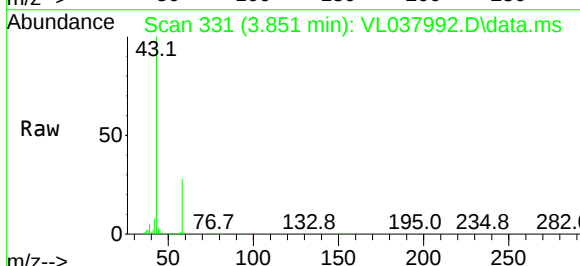
Tgt Ion: 45 Resp: 393842
Ion Ratio Lower Upper
45 100
46 35.9 17.4 69.8

Manual Integrations
APPROVED

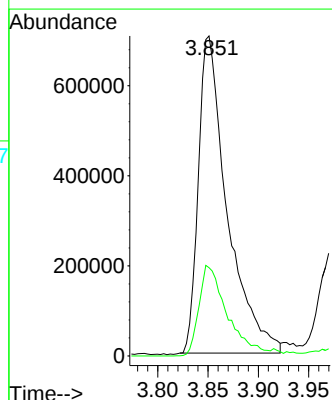
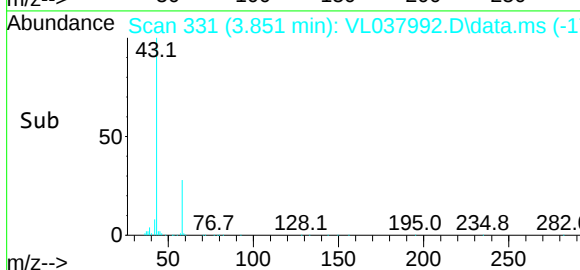
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

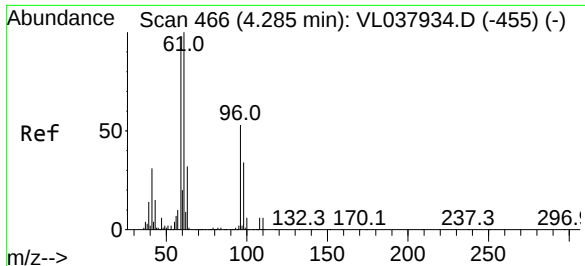


#15
Acetone
Concen: 13.067 ppbv
RT: 3.851 min Scan# 331
Delta R.T. 0.003 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26



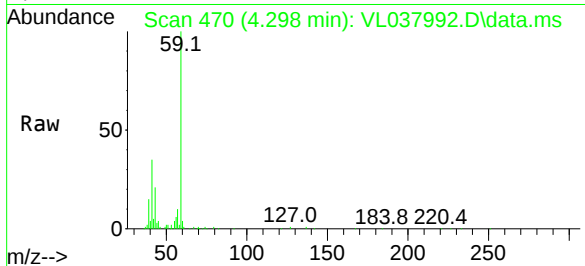
Tgt Ion: 43 Resp: 1403764
Ion Ratio Lower Upper
43 100
58 29.1 23.3 34.9





#17
tert-Butyl alcohol
Concen: 2.025 ppbv
RT: 4.298 min Scan# 41
Delta R.T. 0.013 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26

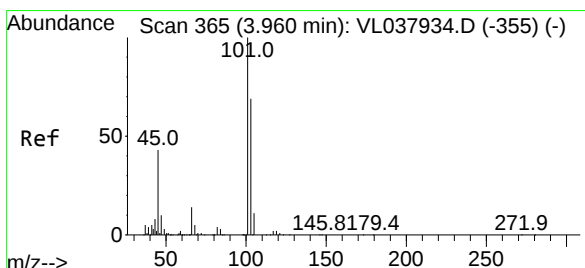
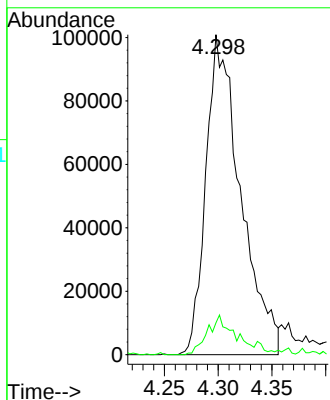
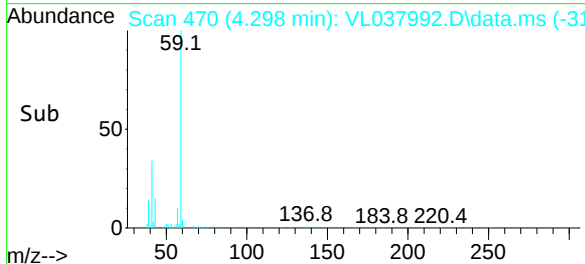
Instrument :
MSVOA_L
ClientSampleId :
COU06



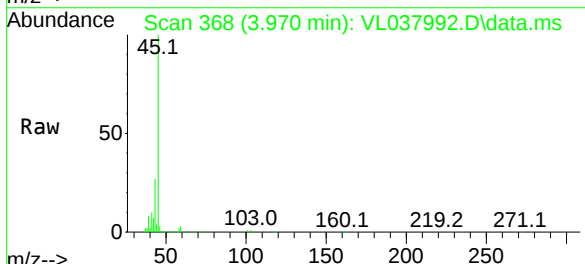
Tgt Ion: 59 Resp: 226148
Ion Ratio Lower Upper
59 100
57 10.8 8.9 13.3

Manual Integrations
APPROVED

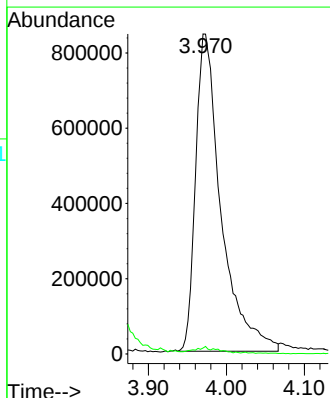
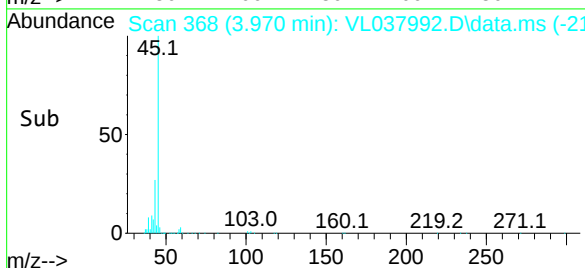
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

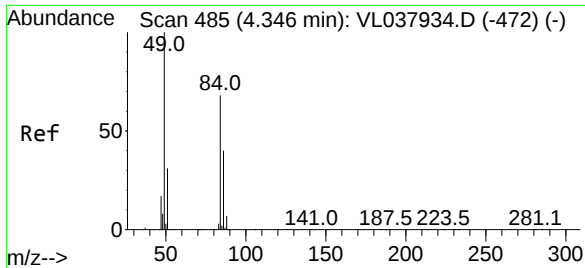


#19
Isopropyl Alcohol
Concen: 27.942 ppbv
RT: 3.970 min Scan# 368
Delta R.T. 0.009 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26



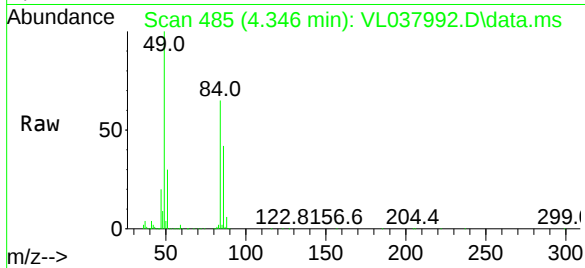
Tgt Ion: 45 Resp: 1919608
Ion Ratio Lower Upper
45 100
58 2.4 4.0 6.0#





#20
Methylene Chloride
Concen: 16.863 ppbv
RT: 4.346 min Scan# 41
Delta R.T. -0.000 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26

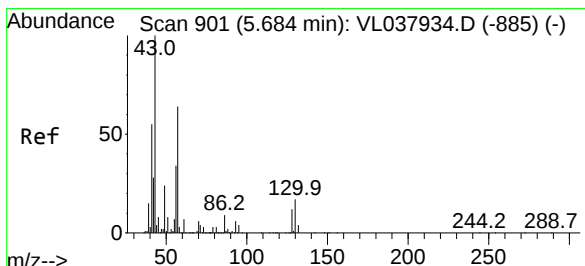
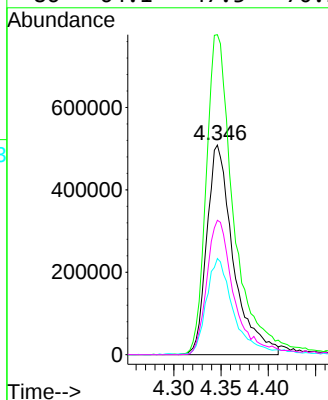
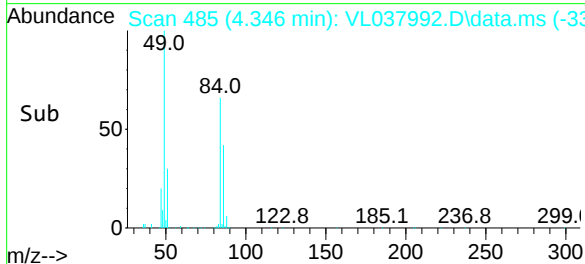
Instrument :
MSVOA_L
ClientSampleId :
COU06



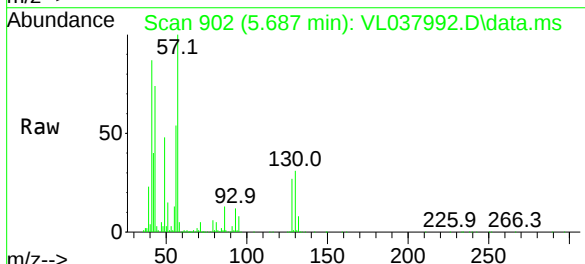
Tgt Ion: 84 Resp: 994579
Ion Ratio Lower Upper
84 100
49 152.6 117.5 176.3
51 45.6 35.9 53.9
86 64.1 47.3 70.9

Manual Integrations
APPROVED

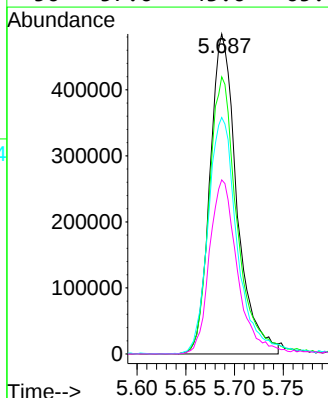
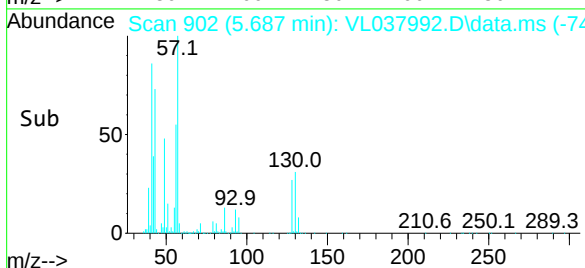
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

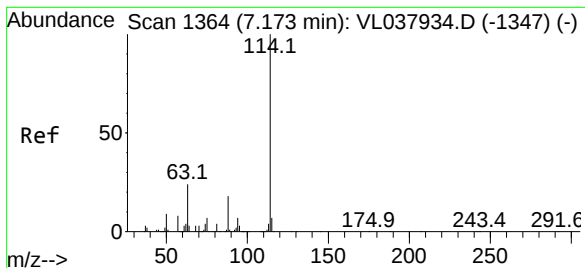


#26
Hexane
Concen: 6.174 ppbv
RT: 5.687 min Scan# 902
Delta R.T. 0.003 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26



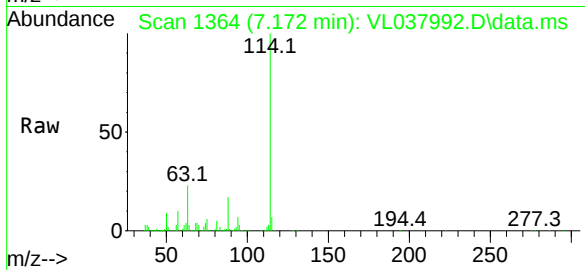
Tgt Ion: 57 Resp: 933420
Ion Ratio Lower Upper
57 100
41 91.6 71.0 106.6
43 81.2 173.0 259.6#
56 57.6 43.6 65.4





#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.172 min Scan# 114
Delta R.T. -0.000 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26

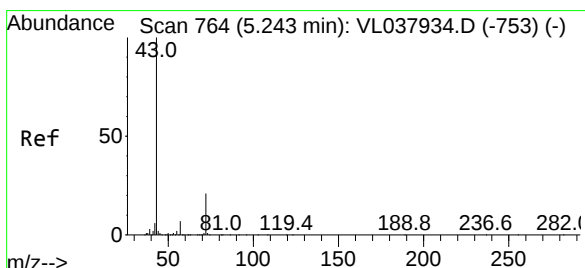
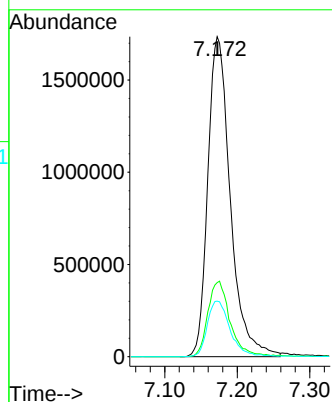
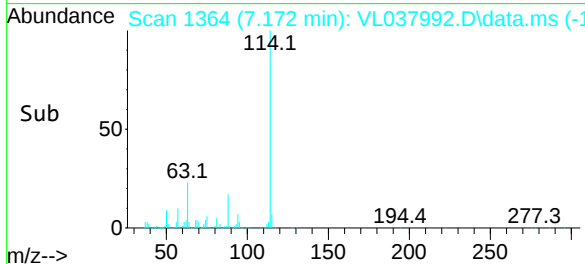
Instrument :
MSVOA_L
ClientSampleId :
COU06



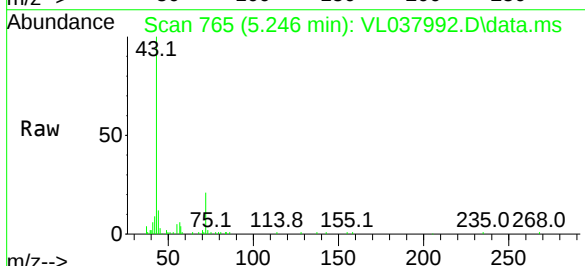
Tgt Ion:114 Resp: 373581
Ion Ratio Lower Upper
114 100
63 23.7 19.4 29.0
88 17.9 14.2 21.4

Manual Integrations
APPROVED

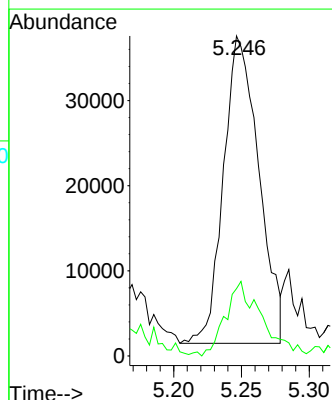
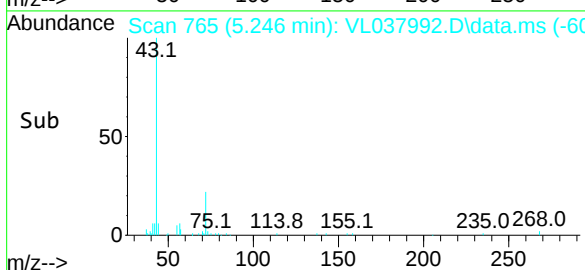
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

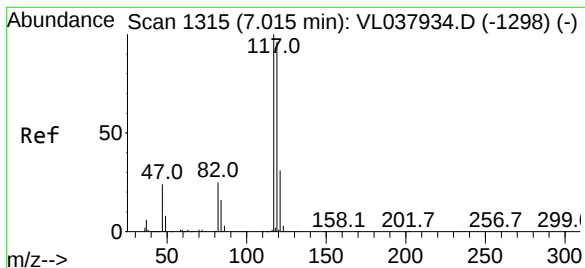


#34
2-Butanone
Concen: 0.473 ppbv
RT: 5.246 min Scan# 765
Delta R.T. 0.003 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26



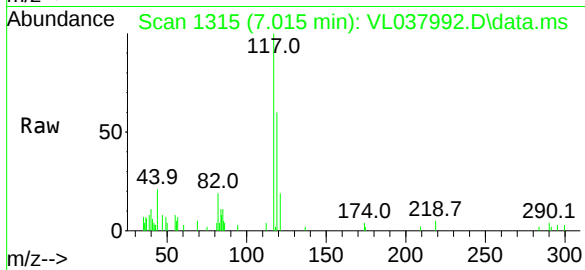
Tgt Ion: 43 Resp: 65462
Ion Ratio Lower Upper
43 100
72 24.9 18.3 27.5





#35
Carbon Tetrachloride
Concen: 0.049 ppbv m
RT: 7.015 min Scan# 1114
Delta R.T. -0.000 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26

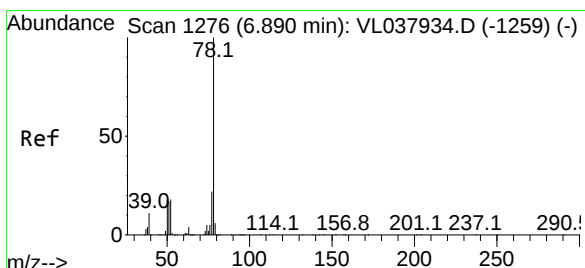
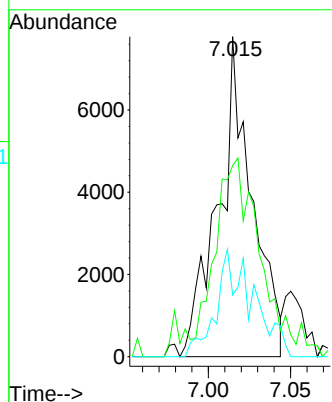
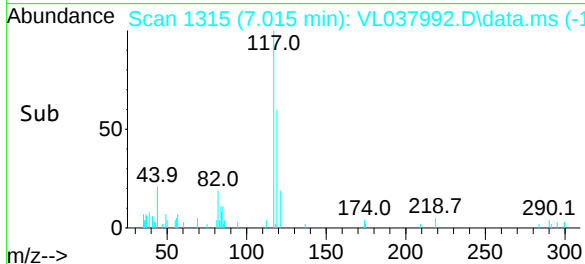
Instrument :
MSVOA_L
ClientSampleId :
COU06



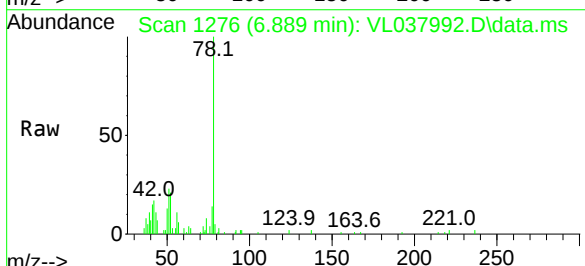
Tgt Ion: 117 Resp: 11144
Ion Ratio Lower Upper
117 100
119 59.7 76.6 114.8#
121 19.3 25.1 37.7#

Manual Integrations
APPROVED

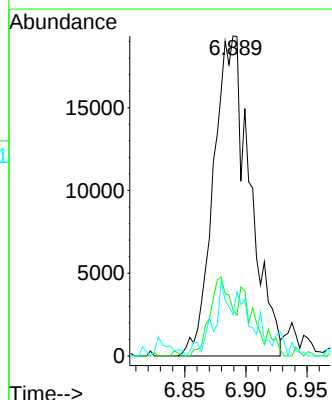
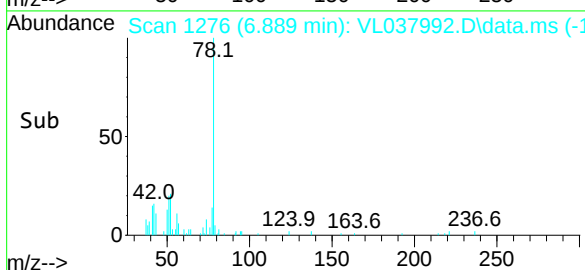
Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021

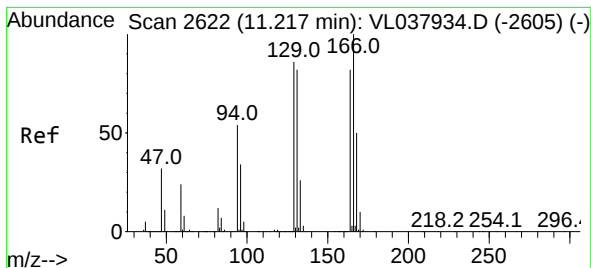


#36
Benzene
Concen: 0.132 ppbv m
RT: 6.889 min Scan# 1276
Delta R.T. -0.000 min
Lab File: VL037992.D
Acq: 9 Nov 2021 23:26



Tgt Ion: 78 Resp: 40017
Ion Ratio Lower Upper
78 100
77 14.4 17.9 26.9#
50 13.0 14.4 21.6#





#52

Tetrachloroethene

Concen: 0.032 ppbv m

RT: 11.214 min Scan# 2

Delta R.T. -0.003 min

Lab File: VL037992.D

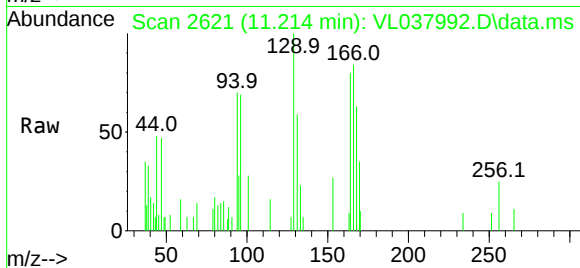
Acq: 9 Nov 2021 23:26

Instrument :

MSVOA_L

ClientSampleId :

COU06

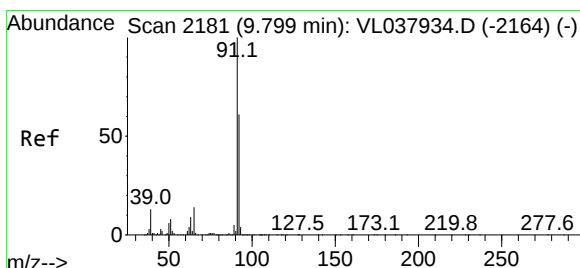
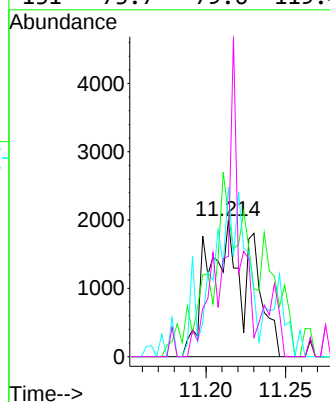
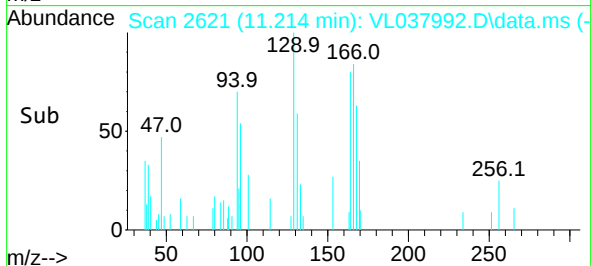


Tgt Ion:	164	Resp:	370
Ion	Ratio	Lower	Upper
164	100		
166	104.3	97.6	146.4
129	124.6	84.2	126.2
131	73.7	79.6	119.4

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/15/2021
Supervised By :Mahesh Dadoda 11/17/2021



#53

Toluene

Concen: 0.484 ppbv

RT: 9.802 min Scan# 2182

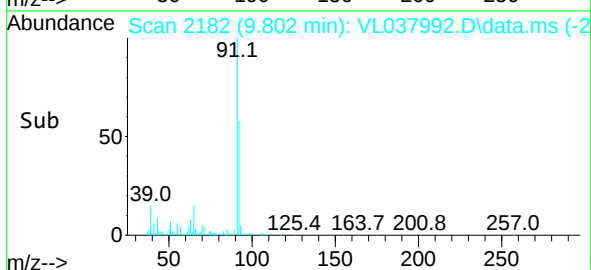
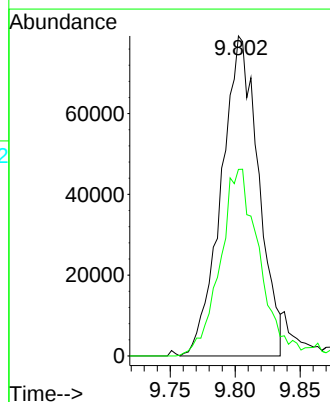
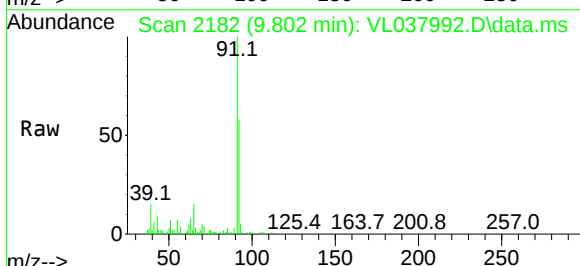
Delta R.T. 0.003 min

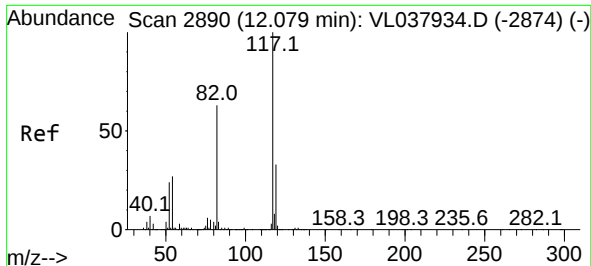
Lab File: VL037992.D

Acq: 9 Nov 2021 23:26

Tgt Ion: 91 Resp: 157910

Ion	Ratio	Lower	Upper
91	100		
92	63.6	48.2	72.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.079 min Scan# 2890

Delta R.T. -0.000 min

Lab File: VL037992.D

Acq: 9 Nov 2021 23:26

Instrument :

MSVOA_L

ClientSampleId :

COU06

Tgt Ion:117 Resp: 317578

Ion Ratio Lower Upper

117 100

82 64.2 51.0 76.6

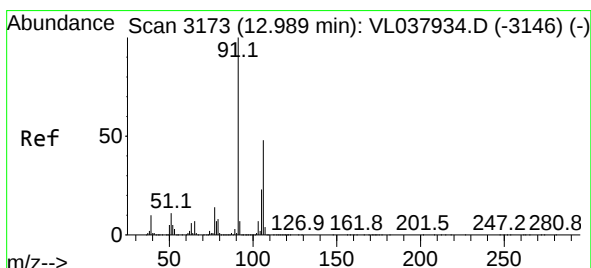
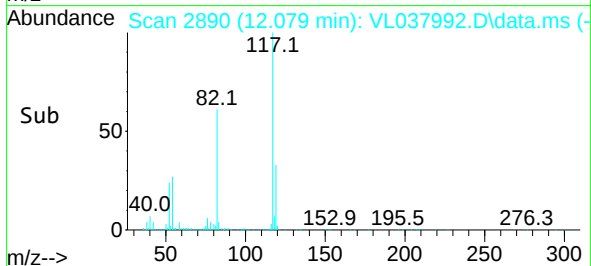
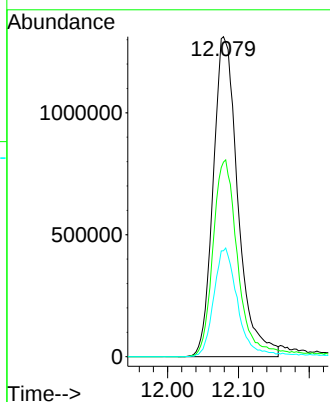
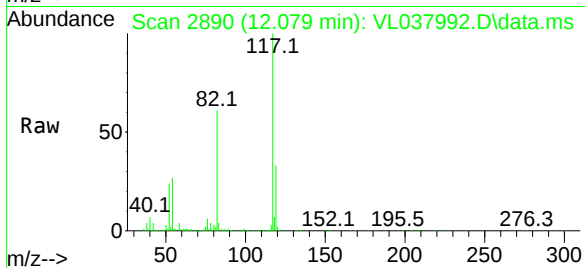
119 34.0 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Semsettin Yesilyurt 11/15/2021

Supervised By :Mahesh Dadoda 11/17/2021



#59

m/p-Xylene

Concen: 0.198 ppbv m

RT: 12.957 min Scan# 3163

Delta R.T. -0.032 min

Lab File: VL037992.D

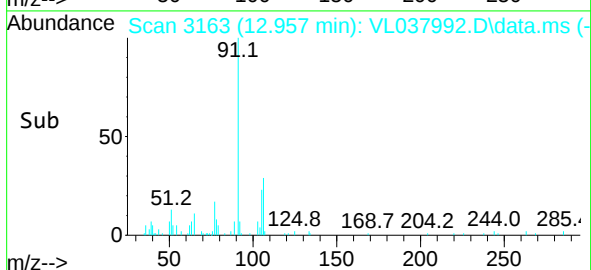
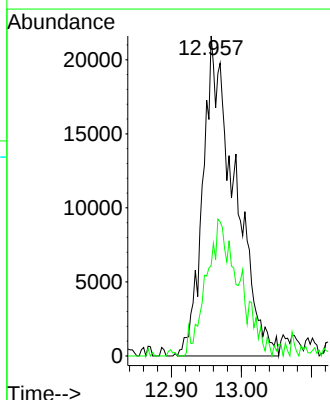
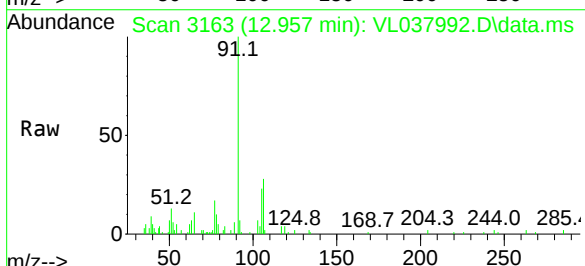
Acq: 9 Nov 2021 23:26

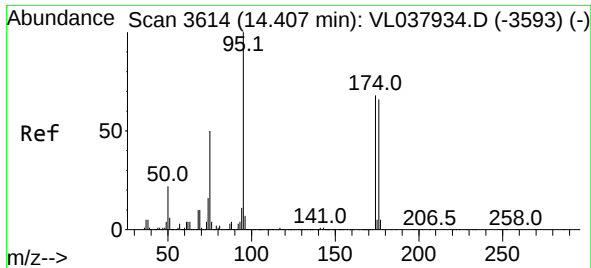
Tgt Ion: 91 Resp: 68393

Ion Ratio Lower Upper

91 100

106 0.0 37.1 55.7#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.543 ppbv
 RT: 14.410 min Scan# 30
 Delta R.T. 0.003 min
 Lab File: VL037992.D
 Acq: 9 Nov 2021 23:26

Instrument :
 MSVOA_L
 ClientSampleId :
 C0U06

Tgt Ion: 95 Resp: 2202859
 Ion Ratio Lower Upper
 95 100
 174 74.3 58.3 87.5
 175 5.7 4.6 6.8

Manual Integrations
 APPROVED

Reviewed By :Semsettin Yesilyurt 11/15/2021
 Supervised By :Mahesh Dadoda 11/17/2021

