

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
 Data File : VL037630.D
 Acq On : 17 Sep 2021 00:42
 Operator : SY/AP
 Sample : M3780-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA2DL

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:27:35 PM

Quant Time: Sep 17 10:15:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 17 10:15:39 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1575990	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4445412	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3859482	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2689021	9.64	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	107592	1.026	ppbv #	70
13) Ethanol	3.59	45	13754826	1341.064	ppbv	94
15) Acetone	3.83	43	901225	5.504	ppbv	98
19) Isopropyl Alcohol	3.96	45	2135562	23.970	ppbv #	94
25) Ethyl Acetate	5.66	43	164706m	0.415	ppbv	
26) Hexane	5.67	57	67822	0.360	ppbv #	80
29) Chloroform	5.74	83	122491m	0.445	ppbv	
34) 2-Butanone	5.23	43	61745m	0.342	ppbv	
53) Toluene	9.78	91	112098m	0.272	ppbv	
59) m/p-Xylene	12.95	91	102128m	0.229	ppbv	

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

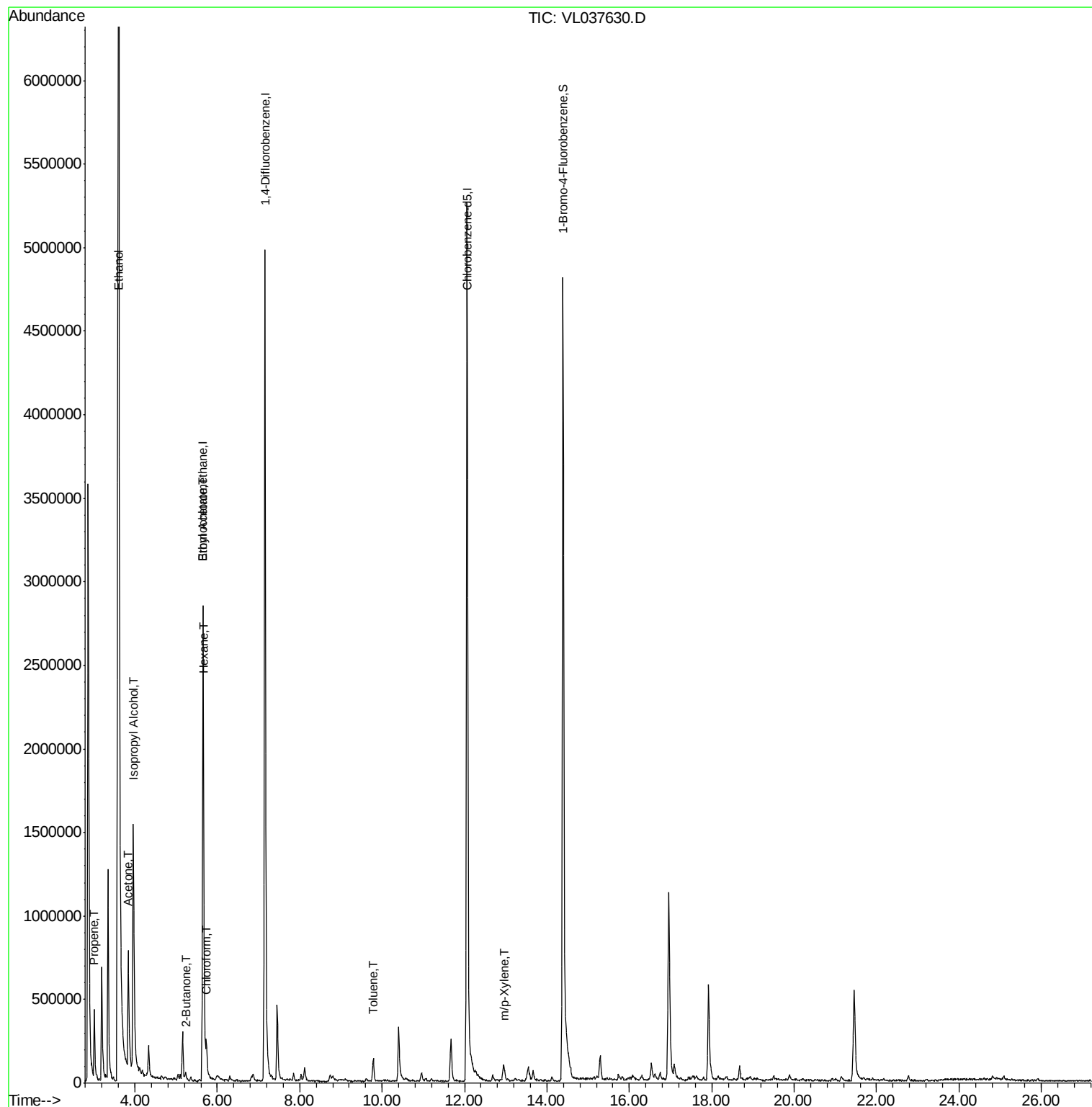
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL091621\
Data File : VL037630.D
Acq On : 17 Sep 2021 00:42
Operator : SY/AP
Sample : M3780-04DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

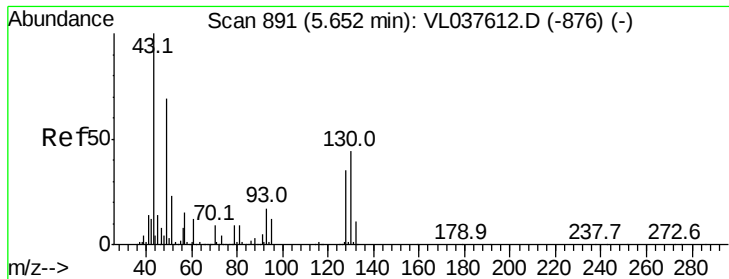
Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Manual Integrations
APPROVED

MMDadoda
9/20/2021 5:27:35 PM

Quant Time: Sep 17 10:15:39 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037630.D

Acq: 17 Sep 2021 00:42

Instrument :

MSVOA_L

ClientSampleId :

IA2DL

Tot Ion: 49 Resp: 1575990

Ion Ratio Lower Upper

49 100

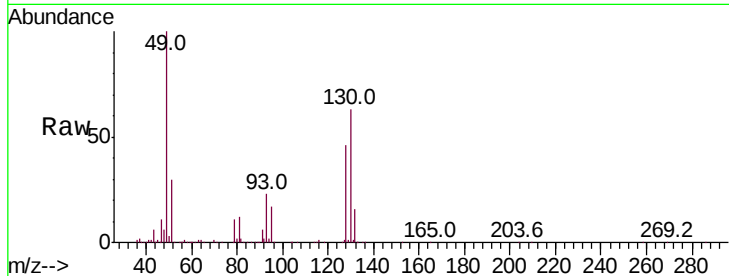
128 52.3 27.9 83.6

130 66.8 33.9 101.7

Manual Integrations
APPROVED

MMDadoda

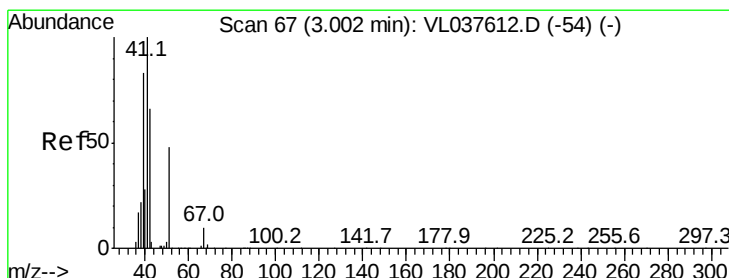
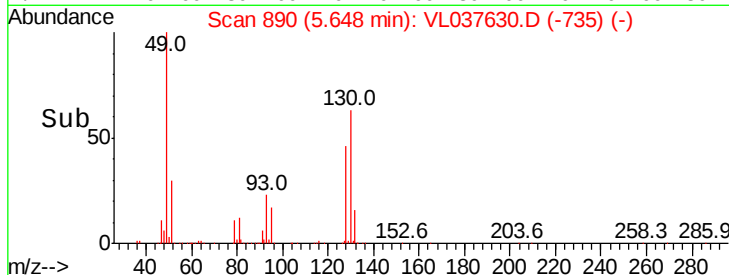
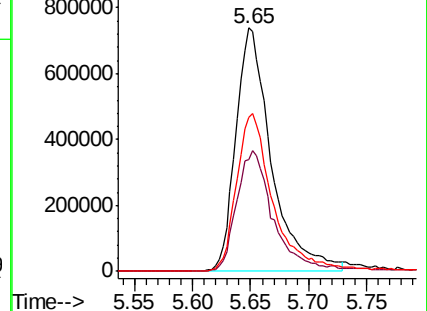
9/20/2021 5:27:35 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 1.026 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL037630.D

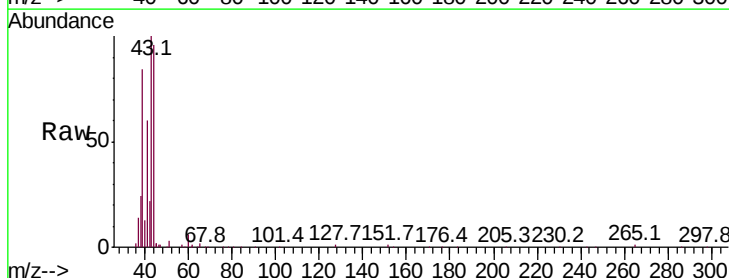
Acq: 17 Sep 2021 00:42

Tgt Ion: 41 Resp: 107592

Ion Ratio Lower Upper

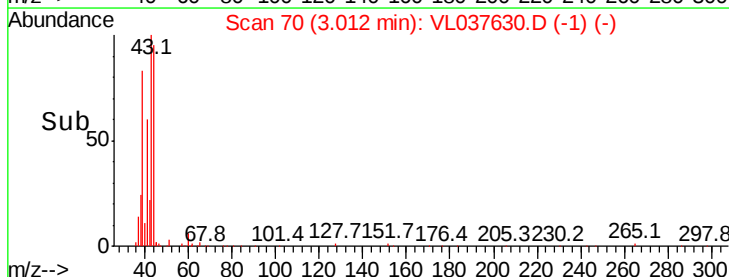
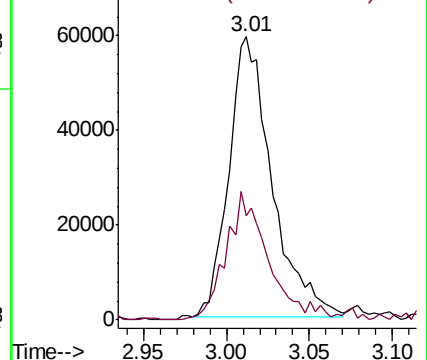
41 100

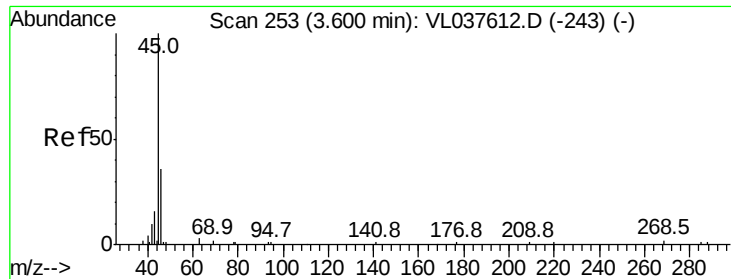
42 46.4 57.2 85.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





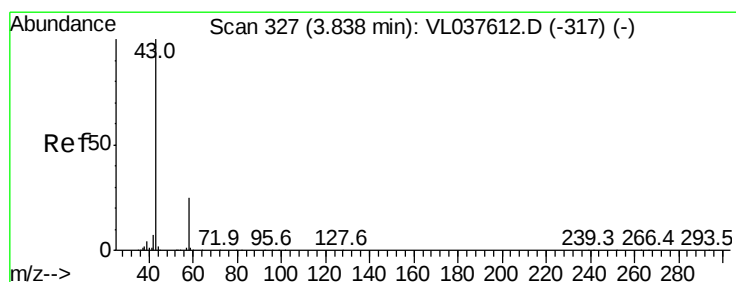
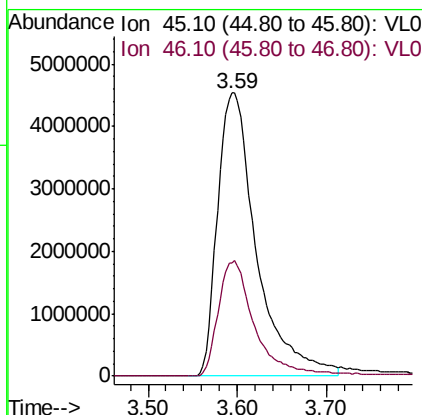
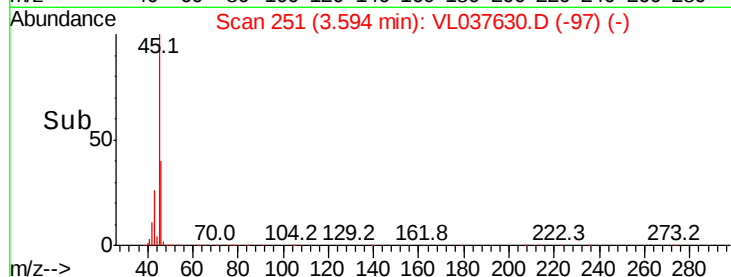
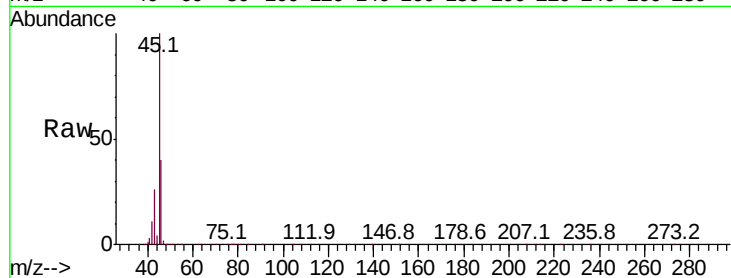
#13
Ethanol
Concen: 1341.064 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL037630.D
Acq: 17 Sep 2021 00:42

Instrument :
MSVOA_L
ClientSampled :
IA2DL

Tot Ion: 45 Resp: 13754826
Ion Ratio Lower Upper
45 100
46 38.9 17.2 68.8

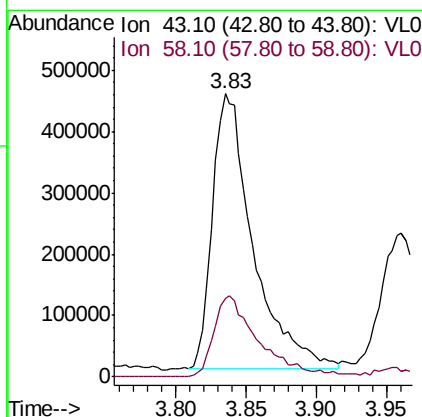
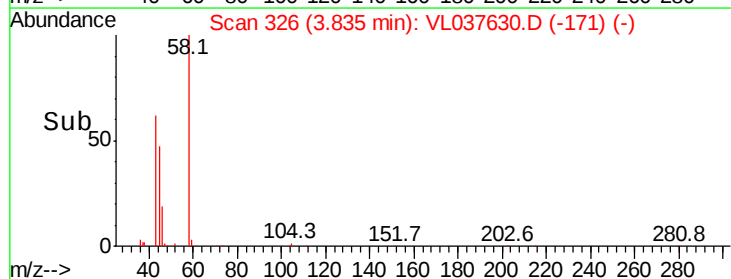
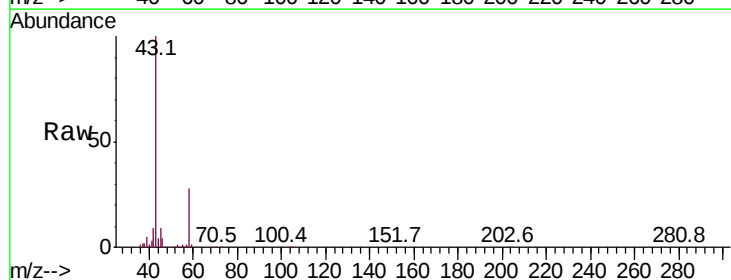
Manual Integrations
APPROVED

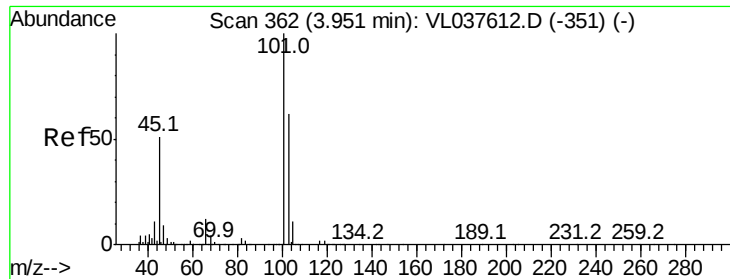
MMDadoda
9/20/2021 5:27:35 PM



#15
Acetone
Concen: 5.504 ppbv
RT: 3.83 min Scan# 326
Delta R.T. -0.00 min
Lab File: VL037630.D
Acq: 17 Sep 2021 00:42

Tgt Ion: 43 Resp: 901225
Ion Ratio Lower Upper
43 100
58 32.4 24.9 37.3





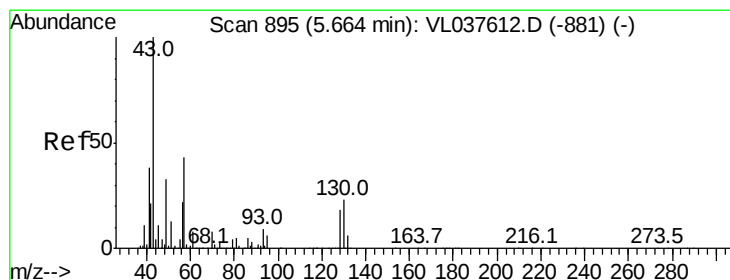
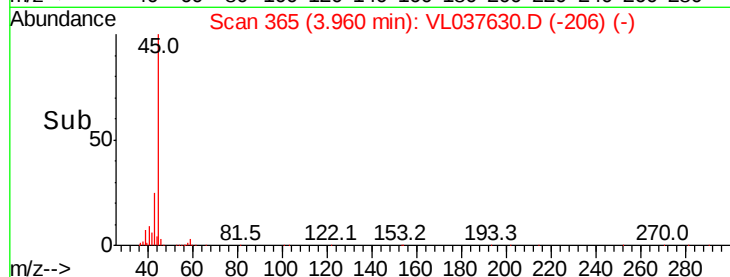
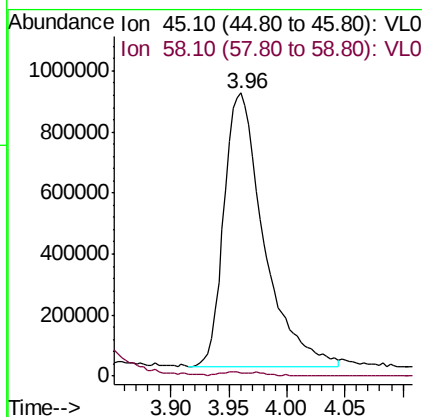
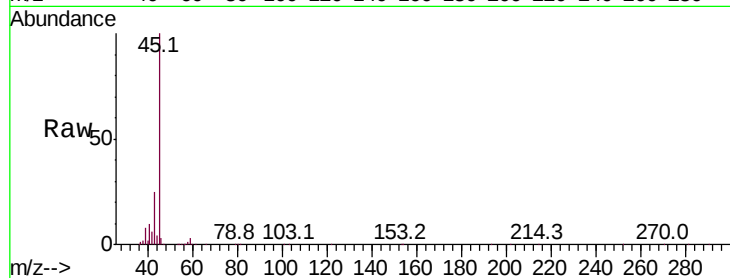
#19
Isopropyl Alcohol
Concen: 23.970 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.01 min
Lab File: VL037630.D
Acq: 17 Sep 2021 00:42

Instrument :
MSVOA_L
ClientSampled :
IA2DL

Tot Ion: 45 Resp: 2135562
Ion Ratio Lower Upper
45 100
58 1.7 2.9 4.3#

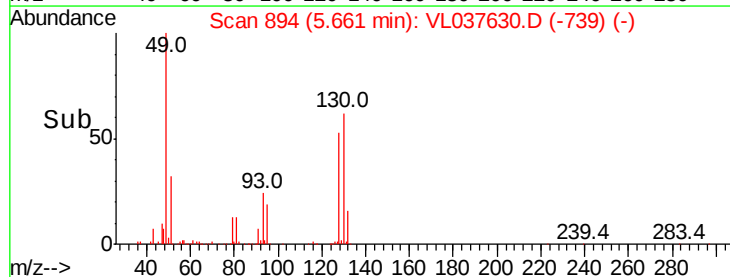
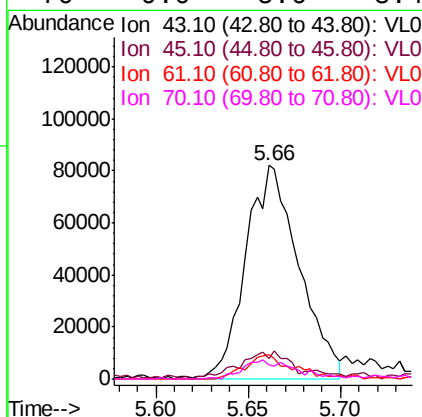
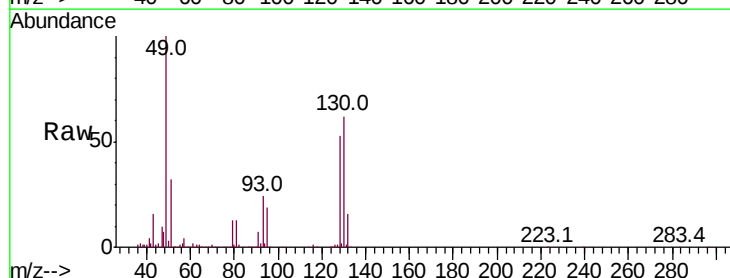
Manual Integrations
APPROVED

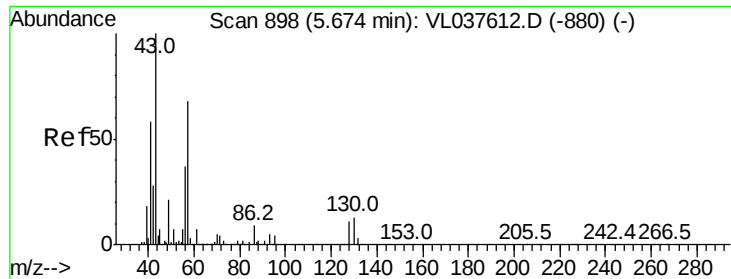
MMDadoda
9/20/2021 5:27:35 PM



#25
Ethyl Acetate
Concen: 0.415 ppbv m
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037630.D
Acq: 17 Sep 2021 00:42

Tgt Ion: 43 Resp: 164706
Ion Ratio Lower Upper
43 100
45 15.0 8.0 12.0#
61 11.0 7.5 11.3
70 9.0 5.6 8.4#





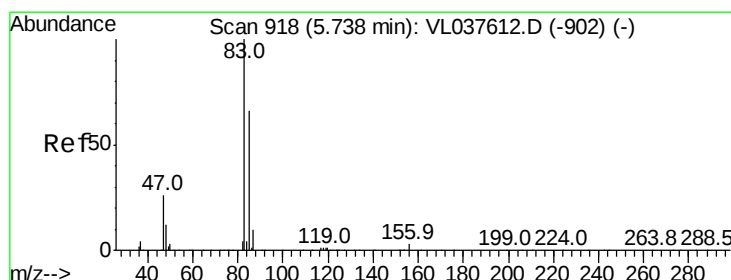
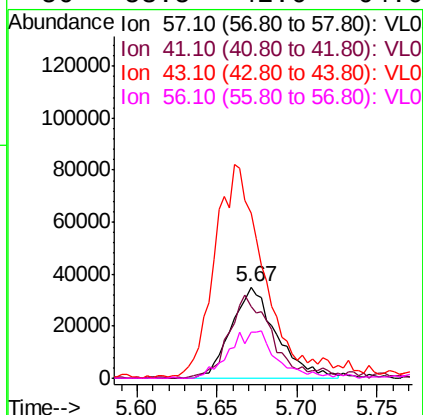
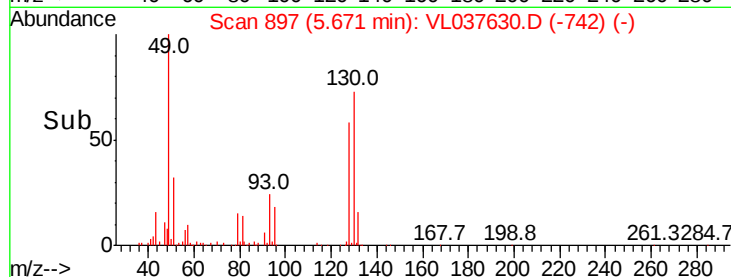
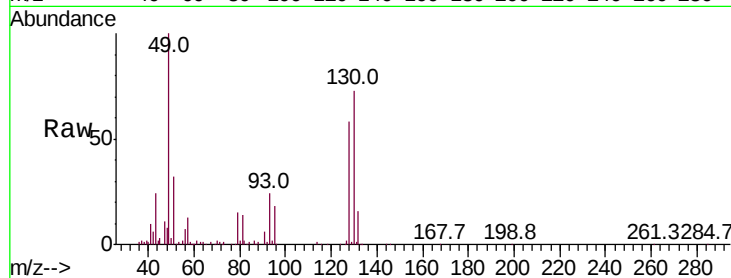
#26
Hexane
Concen: 0.360 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.00 min
Lab File: VL037630.D
Acq: 17 Sep 2021 00:42

Instrument :
MSVOA_L
ClientSampleId :
IA2DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	92.3	70.9	106.3
43	261.8	170.4	255.6#
56	53.5	42.6	64.0

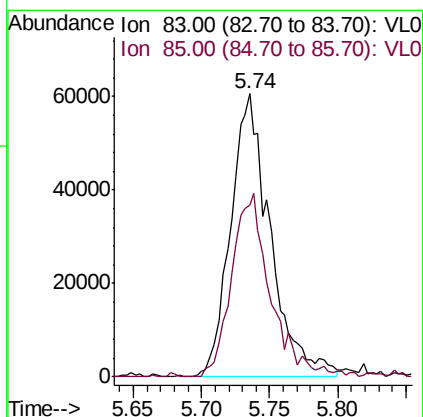
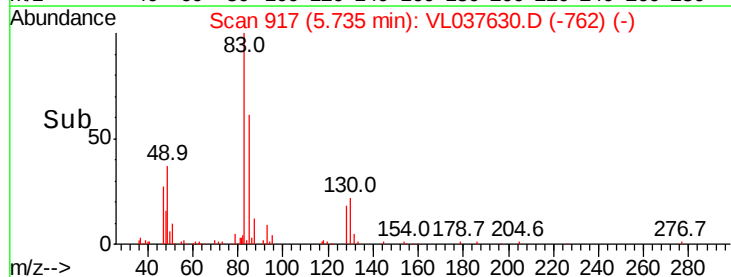
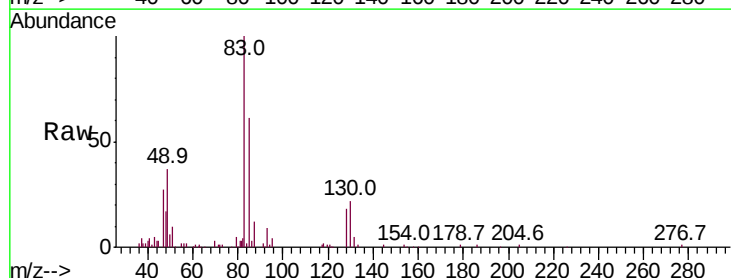
Manual Integrations
APPROVED

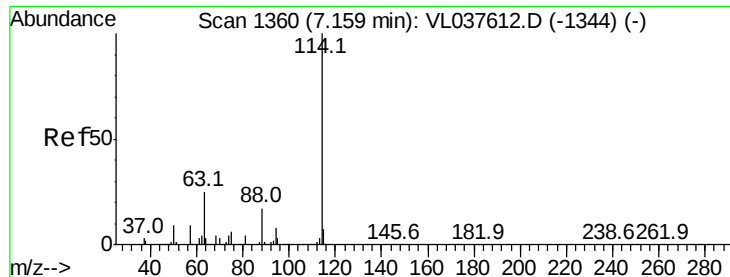
MMDadoda
9/20/2021 5:27:35 PM



#29
Chloroform
Concen: 0.445 ppbv m
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037630.D
Acq: 17 Sep 2021 00:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.6	79.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VL037630.D

Acq: 17 Sep 2021 00:42

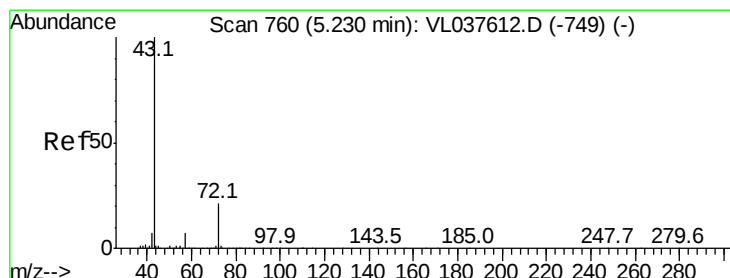
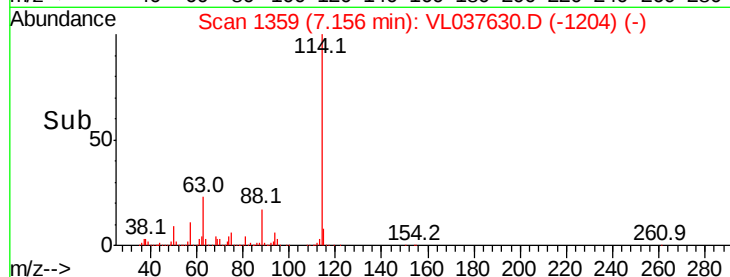
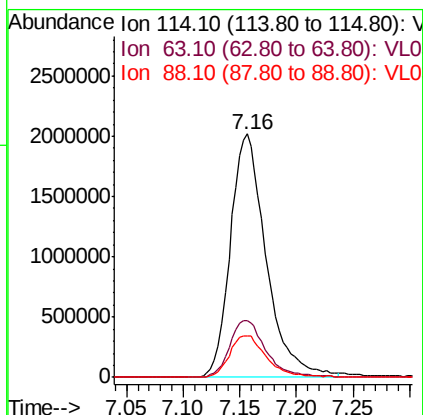
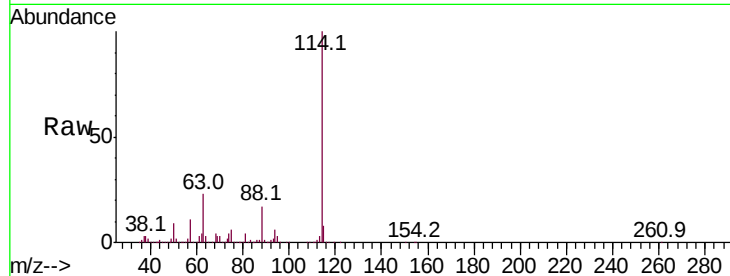
Instrument :
MSVOA_L
ClientSampled :
IA2DL

Tot Ion:114 Resp: 4445412

Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	18.3	14.2	21.4

Manual Integrations
APPROVED

MMDadoda
9/20/2021 5:27:35 PM



#34

2-Butanone

Concen: 0.342 ppbv m

RT: 5.23 min Scan# 760

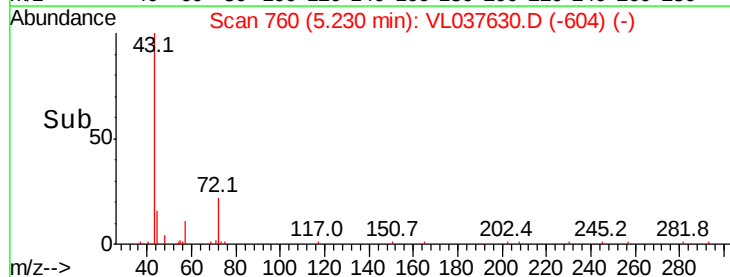
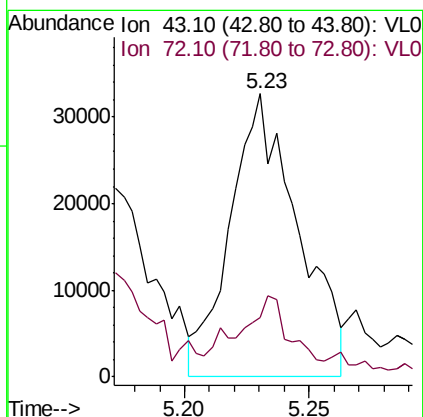
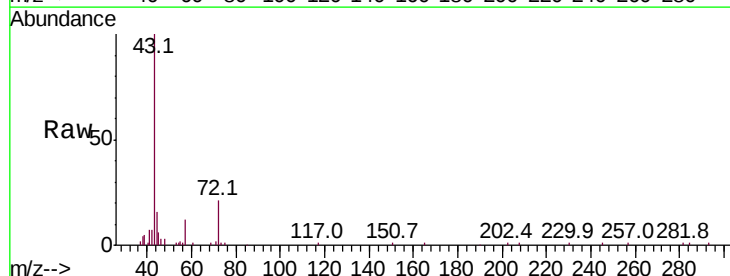
Delta R.T. 0.00 min

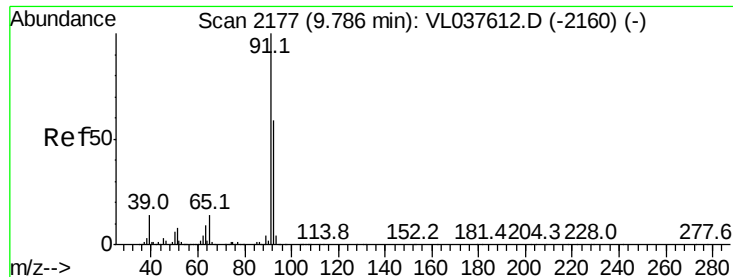
Lab File: VL037630.D

Acq: 17 Sep 2021 00:42

Tgt Ion: 43 Resp: 61745

Ion	Ratio	Lower	Upper
43	100		
72	30.2	18.4	27.6#





#53

Toluene

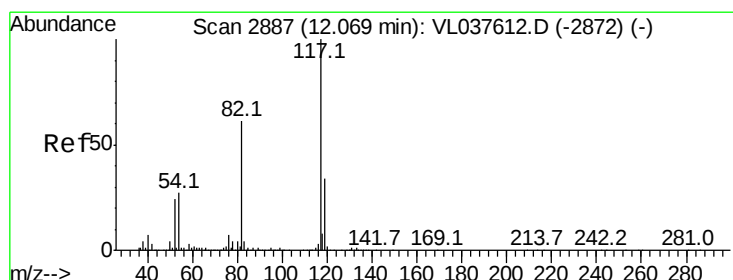
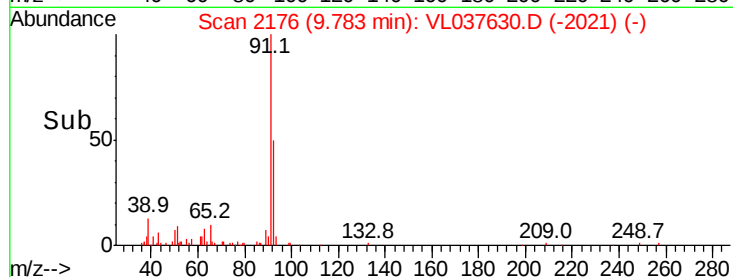
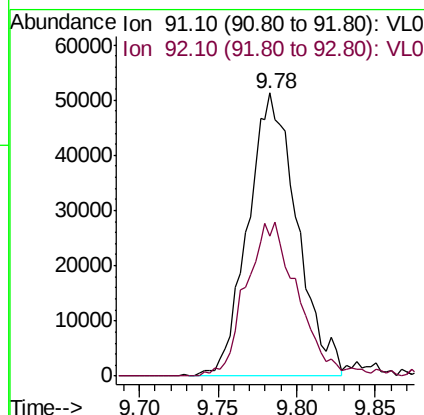
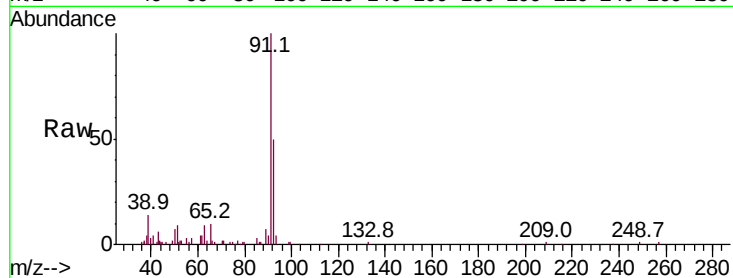
Concen: 0.272 ppbv m
 RT: 9.78 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VL037630.D
 Acq: 17 Sep 2021 00:42

Instrument :
 MSVOA_L
 ClientSampled :
 IA2DL

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.6	48.9	73.3

Manual Integrations
 APPROVED

MMDadoda
 9/20/2021 5:27:35 PM

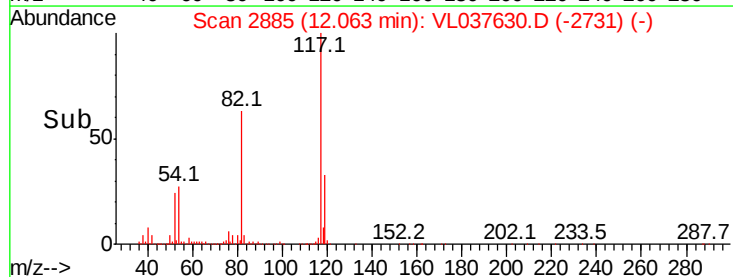
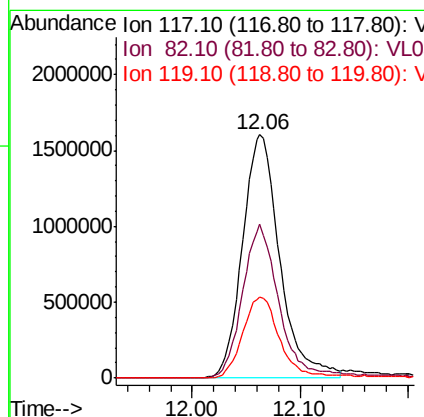
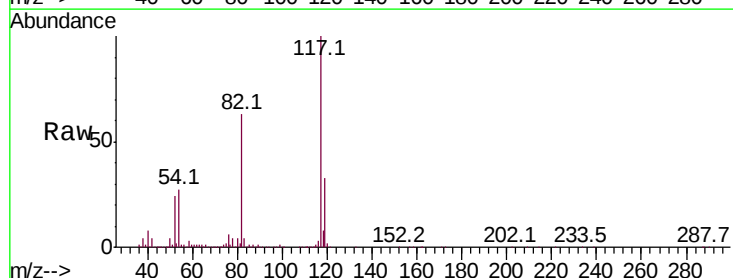


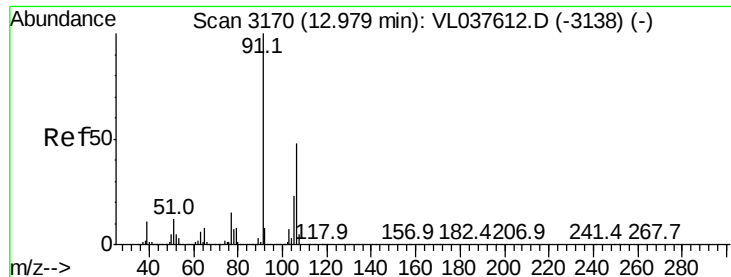
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2885
 Delta R.T. -0.01 min
 Lab File: VL037630.D
 Acq: 17 Sep 2021 00:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	64.9	50.6	75.8
119	34.6	26.2	39.2





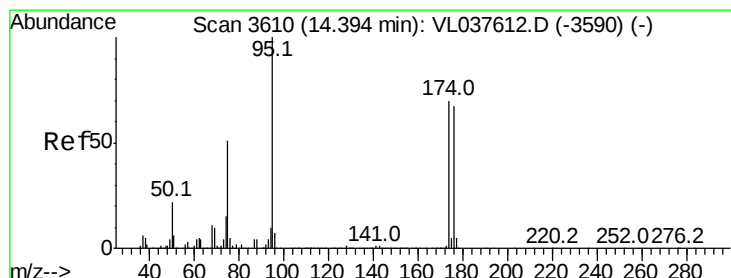
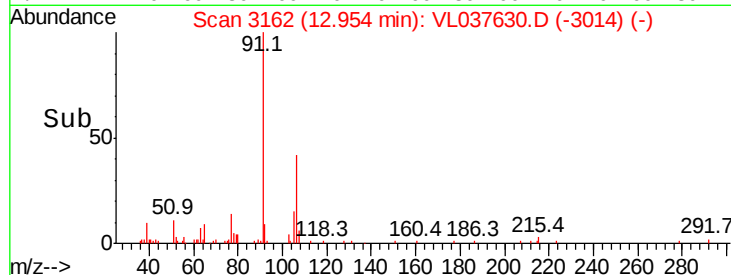
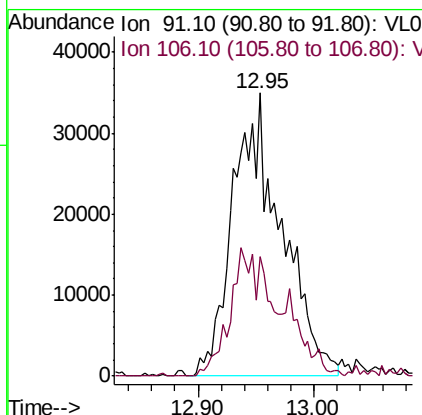
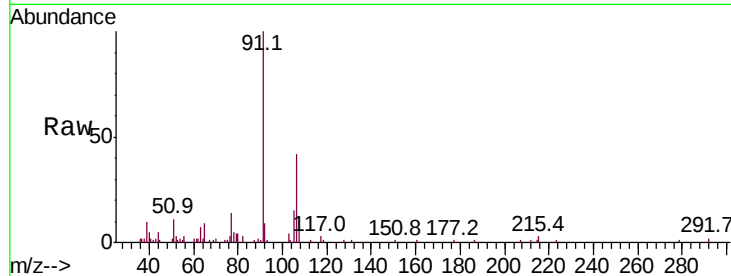
#59
m/p-Xylene
Concen: 0.229 ppbv m
RT: 12.95 min Scan# 3162
Delta R.T. -0.03 min
Lab File: VL037630.D
Acq: 17 Sep 2021 00:42

Instrument :
MSVOA_L
ClientSampled :
IA2DL

Tot Ion: 91 Resp: 102128
Ion Ratio Lower Upper
91 100
106 0.0 36.6 55.0#

Manual Integrations
APPROVED

MMDadoda
9/20/2021 5:27:35 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.641 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. 0.00 min
Lab File: VL037630.D
Acq: 17 Sep 2021 00:42

Tgt Ion: 95 Resp: 2689021
Ion Ratio Lower Upper
95 100
174 77.2 56.3 84.5
175 5.7 4.4 6.6

