

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036090.D
 Acq On : 8 Dec 2020 7:41
 Operator : SY/AP
 Sample : L4948-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3BDL

Manual Integrations
 APPROVED

MMDadoda
 12/10/2020 9:53:57 AM

Quant Time: Dec 08 10:17:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1331217	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2808983	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2483854	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2108115	10.69	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	29529m	0.388	ppbv	
13) Ethanol	3.62	45	98674m	9.408	ppbv	
15) Acetone	3.87	43	197743	1.236	ppbv	96
20) Methylene Chloride	4.36	84	22780m	0.347	ppbv	
26) Hexane	5.70	57	62107m	0.432	ppbv	
30) Cyclohexane	7.15	84	65562m	0.620	ppbv	
53) Toluene	9.82	91	117414m	0.439	ppbv	
58) Ethyl Benzene	12.73	91	60227m	0.177	ppbv	
59) m/p-Xylene	13.00	91	245818m	0.857	ppbv	
60) o-Xylene	13.71	91	95908m	0.355	ppbv	

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

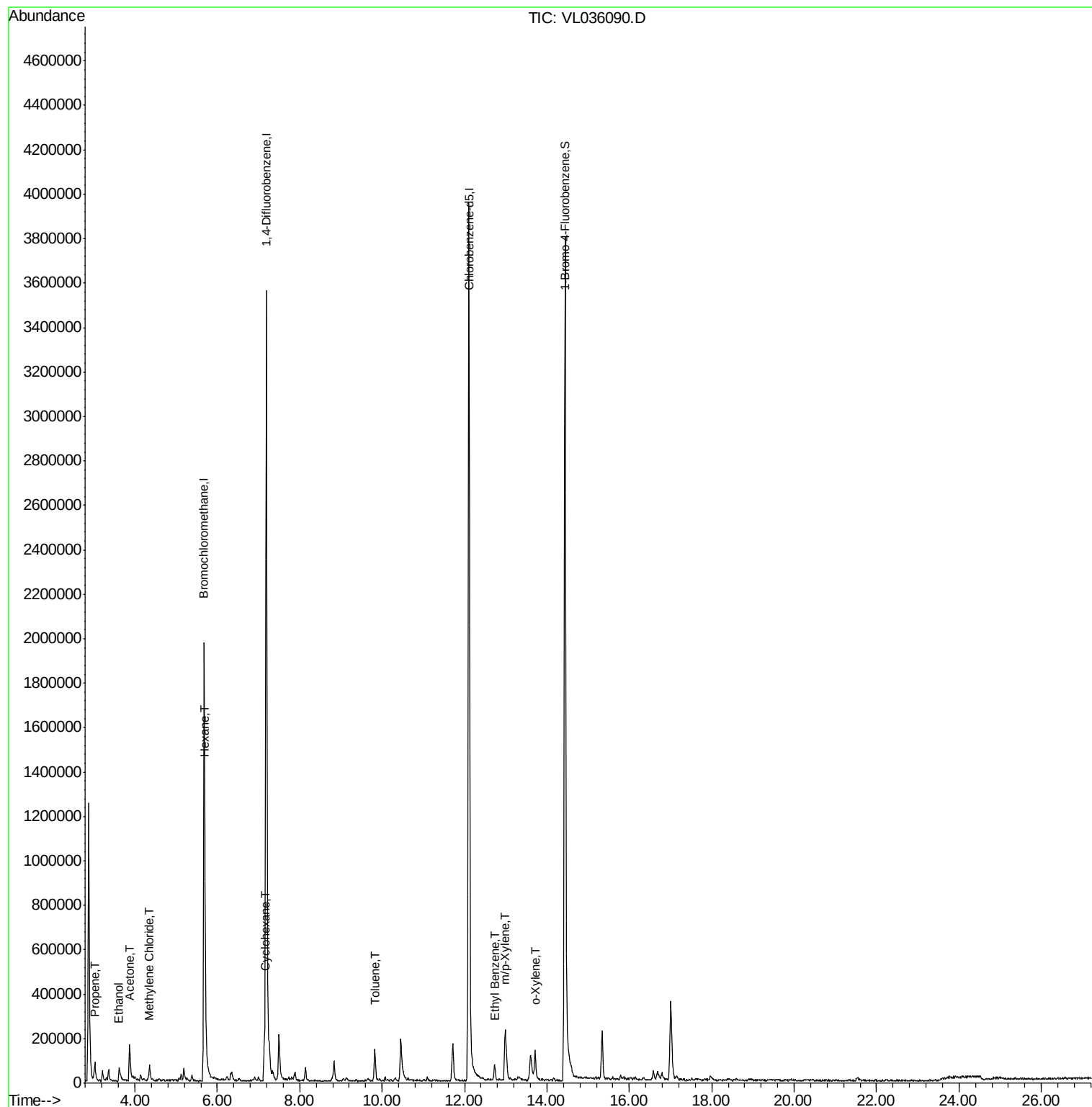
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120720\
Data File : VL036090.D
Acq On : 8 Dec 2020 7:41
Operator : SY/AP
Sample : L4948-06DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

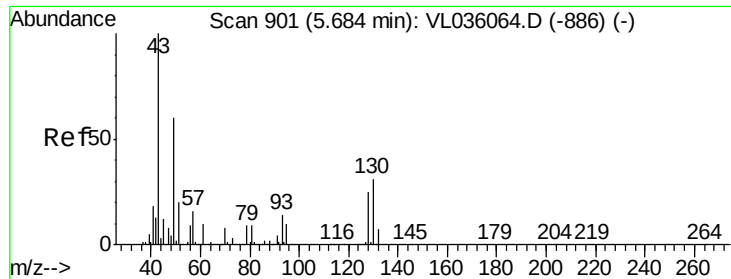
Instrument :
MSVOA_L
ClientSampleId :
IA-3BDL

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:57 AM

Quant Time: Dec 08 10:17:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL036090.D

Acq: 8 Dec 2020 7:41

Instrument :

MSVOA_L

ClientSampleId :

IA-3BDL

Tot Ion: 49 Resp: 1331217

Ion Ratio Lower Upper

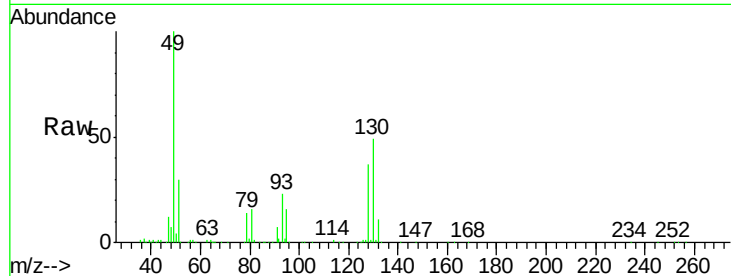
49 100

128 37.8 21.1 63.1

130 47.6 27.1 81.3

Manual Integrations
APPROVED

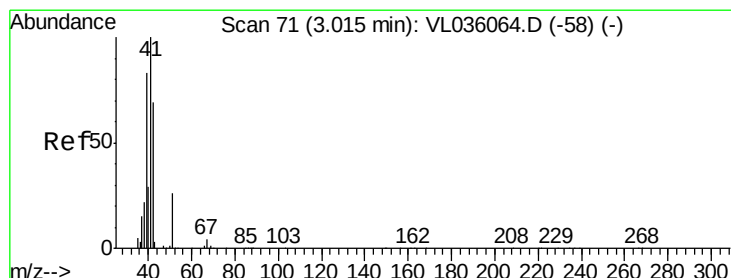
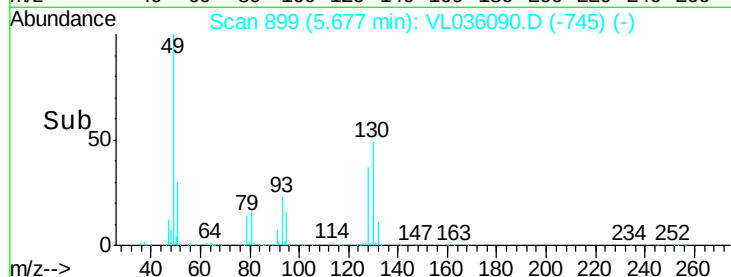
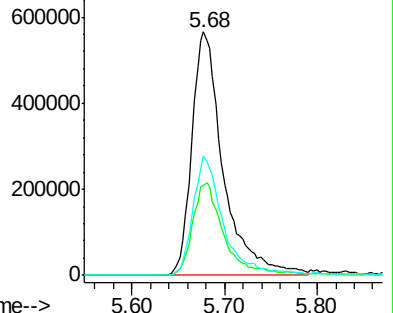
MMDadoda
12/10/2020 9:53:57 AM



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: 0.388 ppbv m

RT: 3.02 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL036090.D

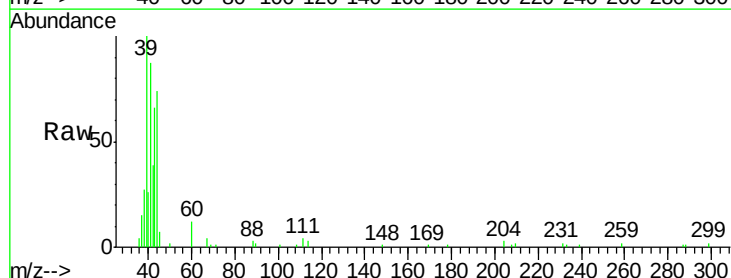
Acq: 8 Dec 2020 7:41

Tgt Ion: 41 Resp: 29529

Ion Ratio Lower Upper

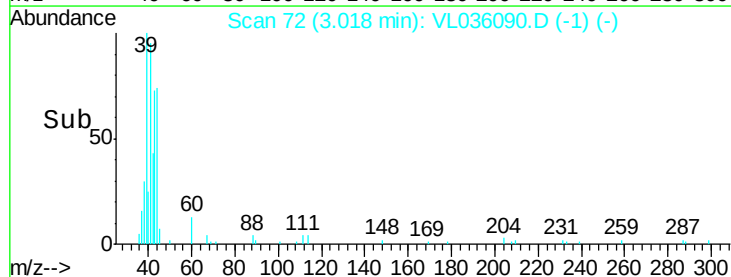
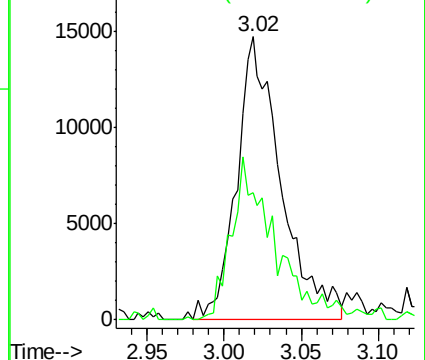
41 100

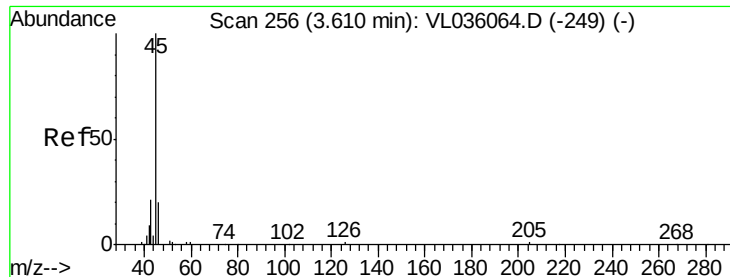
42 29.5 57.0 85.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





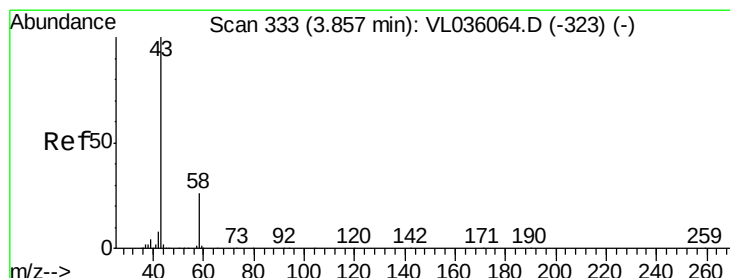
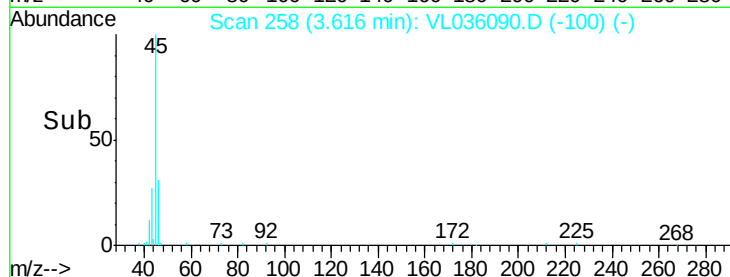
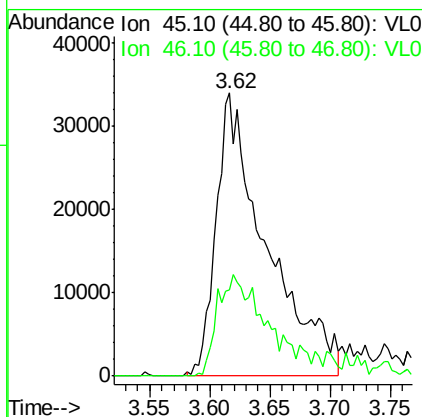
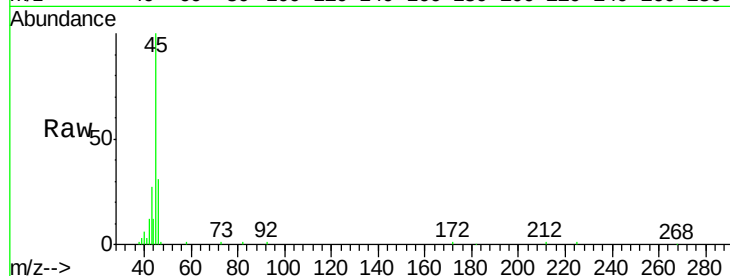
#13
Ethanol
Concen: 9.408 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036090.D
Acq: 8 Dec 2020 7:41

Instrument :
MSVOA_L
ClientSampleId :
IA-3BDL

Tot Ion: 45 Resp: 98674
Ion Ratio Lower Upper
45 100
46 0.0 19.0 75.8#

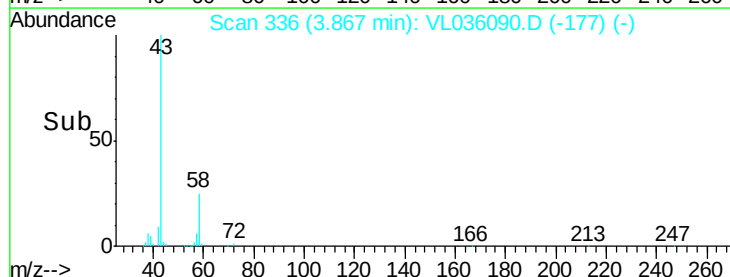
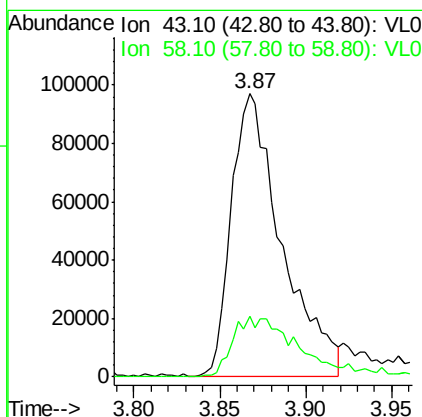
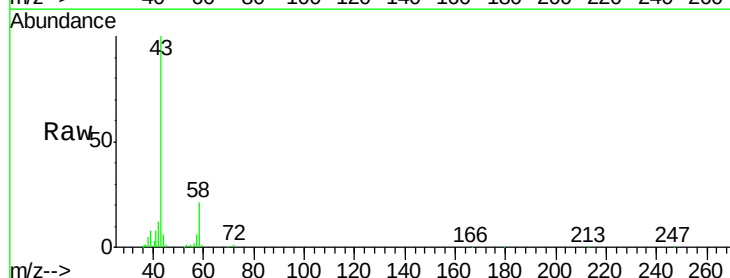
Manual Integrations
APPROVED

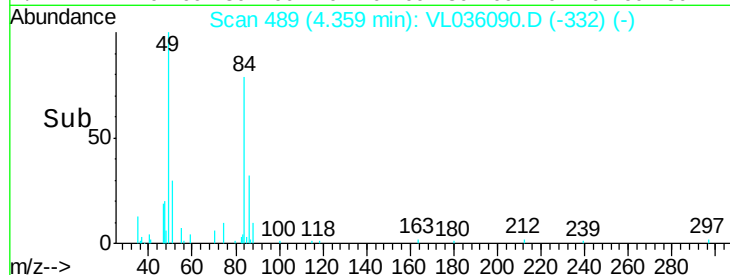
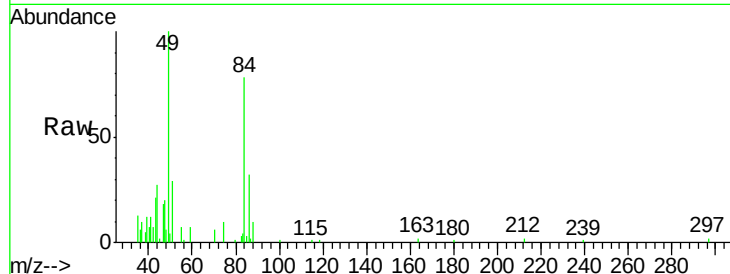
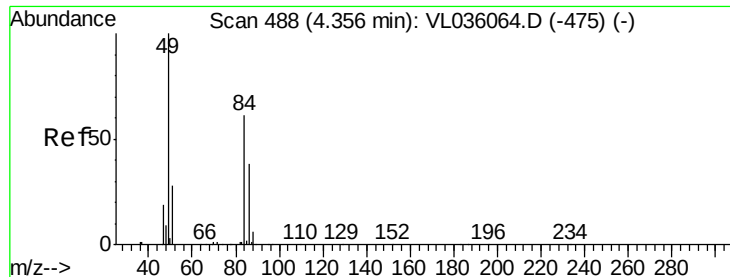
MMDadoda
12/10/2020 9:53:57 AM



#15
Acetone
Concen: 1.236 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL036090.D
Acq: 8 Dec 2020 7:41

Tgt Ion: 43 Resp: 197743
Ion Ratio Lower Upper
43 100
58 28.0 20.9 31.3





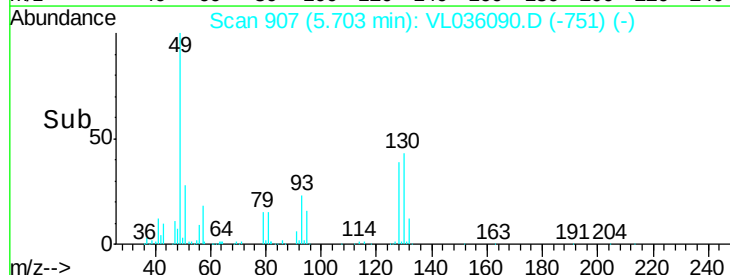
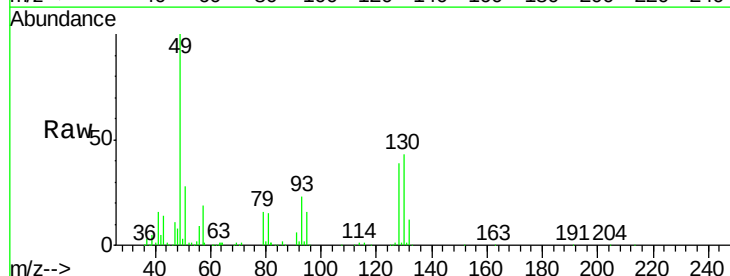
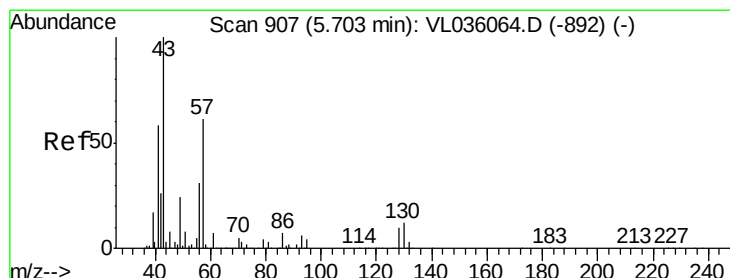
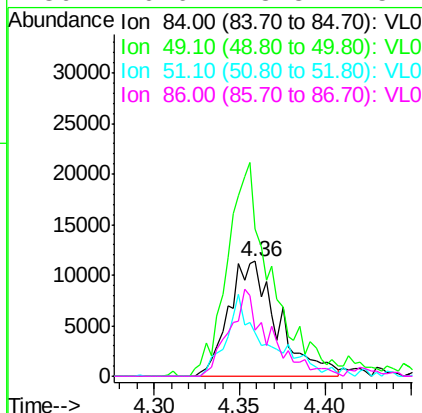
#20
Methylene Chloride
Concen: 0.347 ppbv m
RT: 4.36 min Scan# 489
Delta R.T. 0.00 min
Lab File: VL036090.D
Acq: 8 Dec 2020 7:41

Tot Ion	Ratio	Lower	Upper
84	100		
49	128.4	133.0	199.4#
51	37.8	38.9	58.3#
86	40.6	48.8	73.2#

Instrument :
MSVOA_L
ClientSampleId :
IA-3BDL

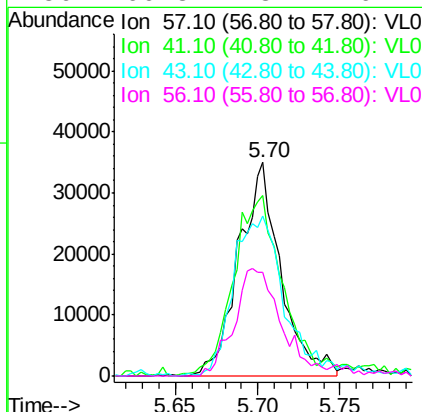
Manual Integrations
APPROVED

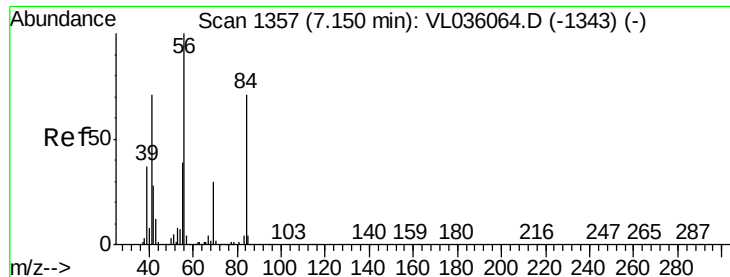
MMDadoda
12/10/2020 9:53:57 AM



#26
Hexane
Concen: 0.432 ppbv m
RT: 5.70 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL036090.D
Acq: 8 Dec 2020 7:41

Tgt Ion	Ratio	Lower	Upper
57	100		
41	102.4	82.9	124.3
43	93.2	199.9	299.9#
56	60.3	43.1	64.7





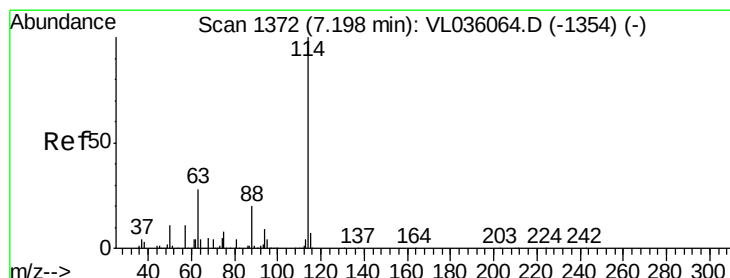
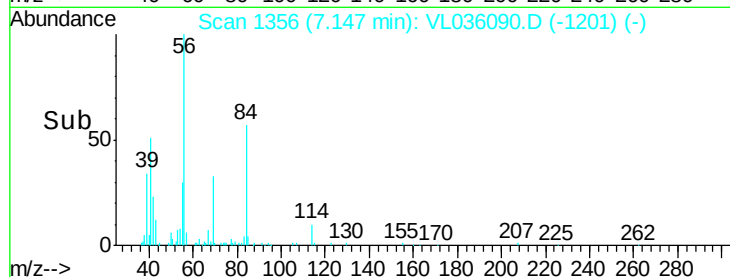
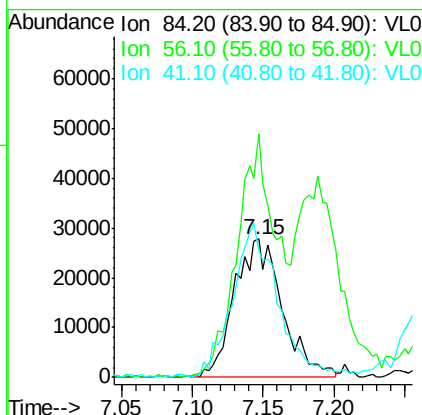
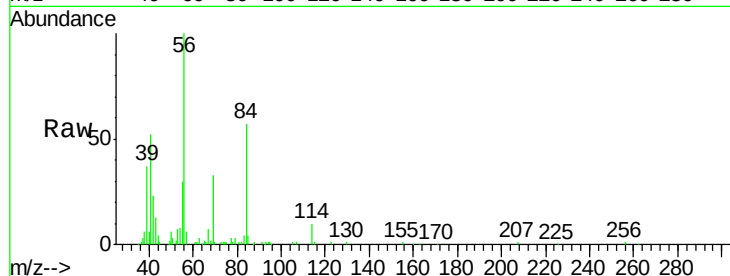
#30
Cyclohexane
Concen: 0.620 ppbv m
RT: 7.15 min Scan# 1356
Delta R.T. -0.00 min
Lab File: VL036090.D
Acq: 8 Dec 2020 7:41

Instrument :
MSVOA_L
ClientSampled :
IA-3BDL

Tot Ion	Ratio	Lower	Upper
84	100		
56	153.2	128.0	192.0
41	105.3	81.3	121.9

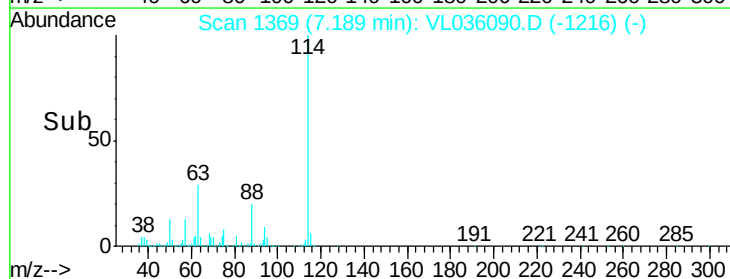
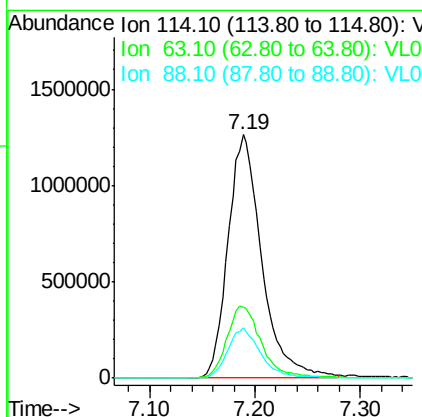
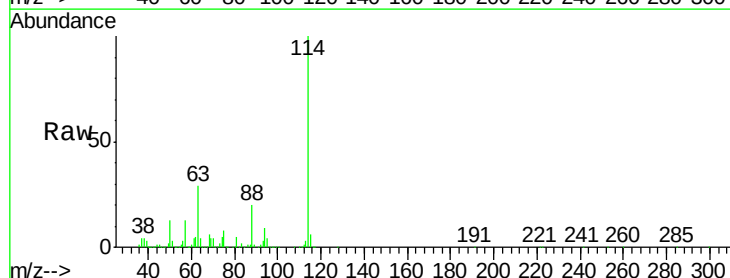
Manual Integrations
APPROVED

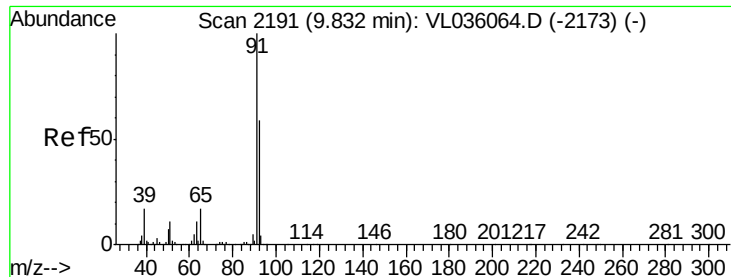
MMDadoda
12/10/2020 9:53:57 AM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. -0.01 min
Lab File: VL036090.D
Acq: 8 Dec 2020 7:41

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.6	23.6	35.4
88	20.4	15.8	23.6





#53

Toluene

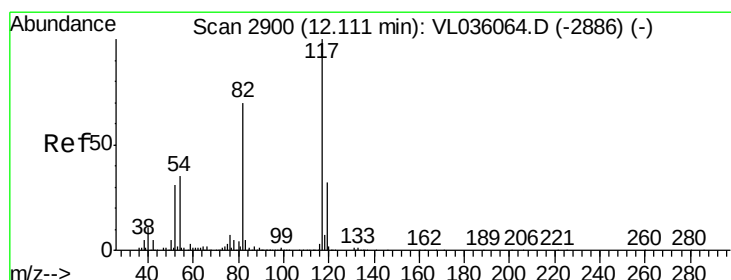
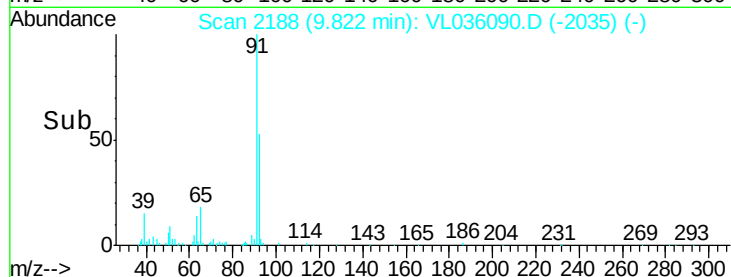
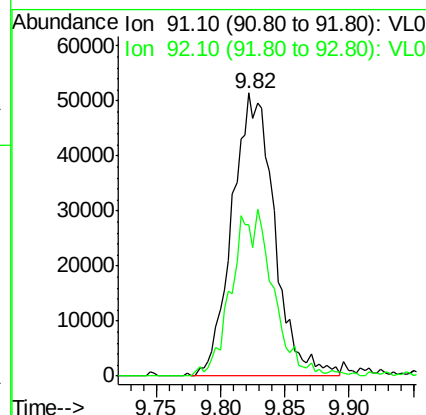
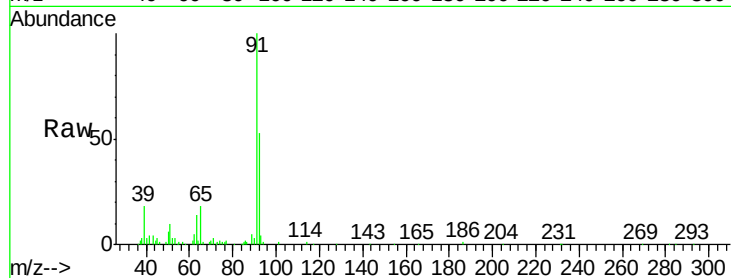
Concen: 0.439 ppbv m
RT: 9.82 min Scan# 2188
Delta R.T. -0.01 min
Lab File: VL036090.D
Acq: 8 Dec 2020 7:41

Instrument :
MSVOA_L
ClientSampled :
IA-3BDL

Tot Ion: 91 Resp: 117414
Ion Ratio Lower Upper
91 100
92 0.0 48.2 72.2#

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:57 AM

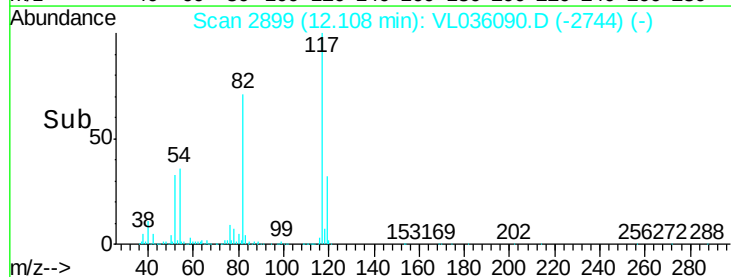
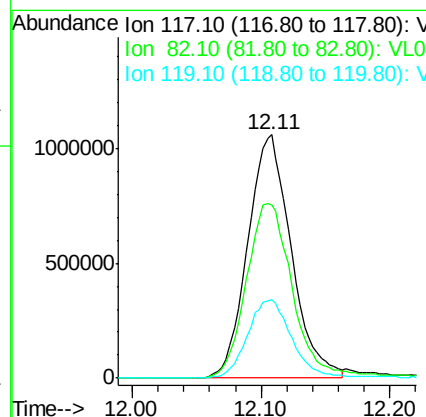
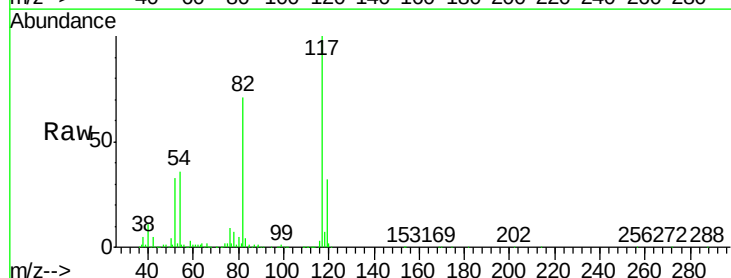


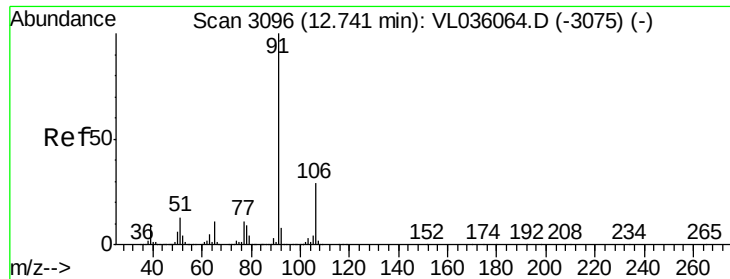
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL036090.D
Acq: 8 Dec 2020 7:41

Tgt Ion: 117 Resp: 2483854
Ion Ratio Lower Upper
117 100
82 77.9 0.0 0.0#
119 33.8 0.0 0.0#





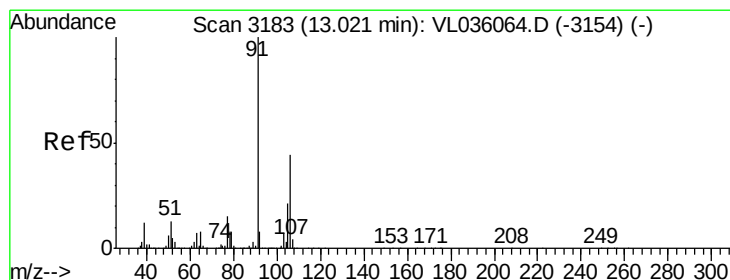
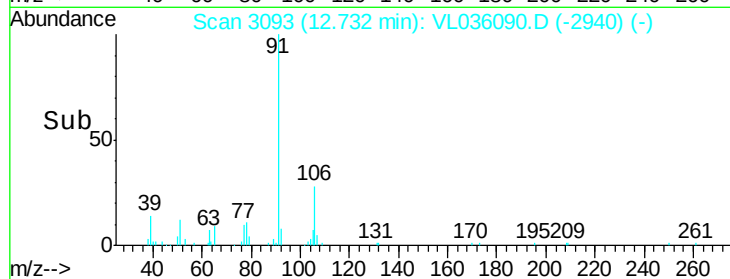
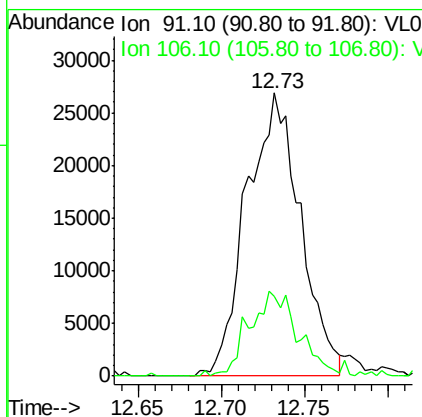
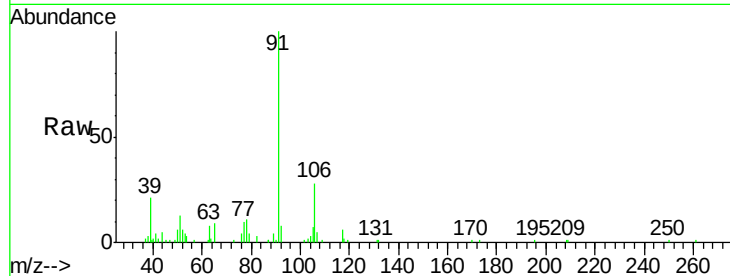
#58
Ethyl Benzene
Concen: 0.177 ppbv m
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL036090.D
Acq: 8 Dec 2020 7:41

Instrument :
MSVOA_L
ClientSampled :
IA-3BDL

Tot Ion: 91 Resp: 60227
Ion Ratio Lower Upper
91 100
106 28.2 23.0 34.4

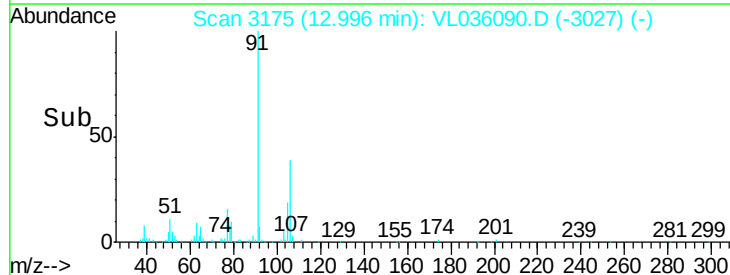
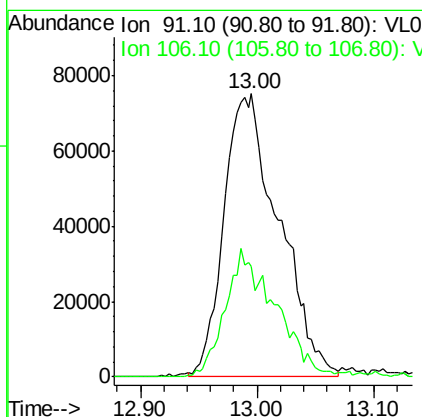
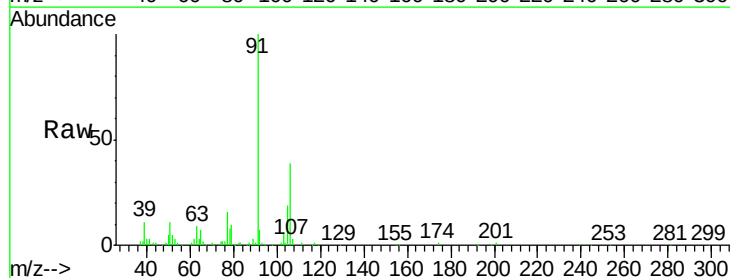
Manual Integrations
APPROVED

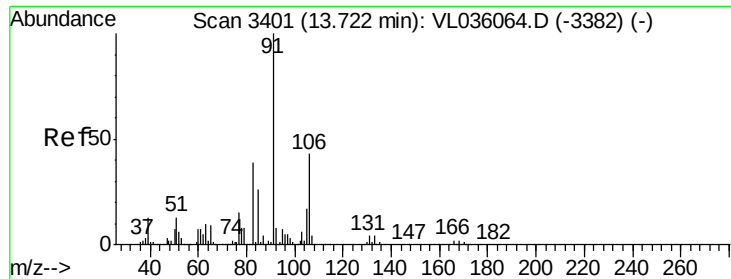
MMDadoda
12/10/2020 9:53:57 AM



#59
m/p-Xylene
Concen: 0.857 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. -0.03 min
Lab File: VL036090.D
Acq: 8 Dec 2020 7:41

Tgt Ion: 91 Resp: 245818
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#





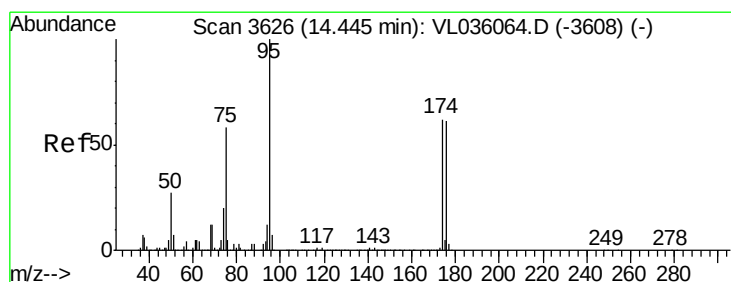
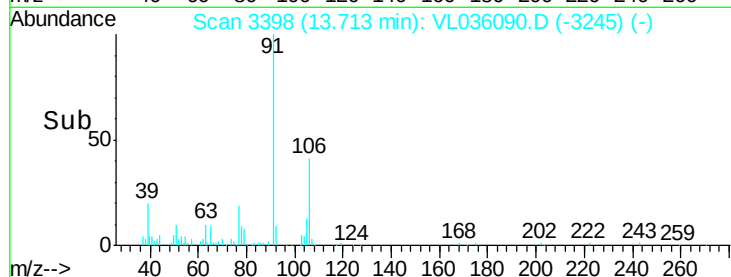
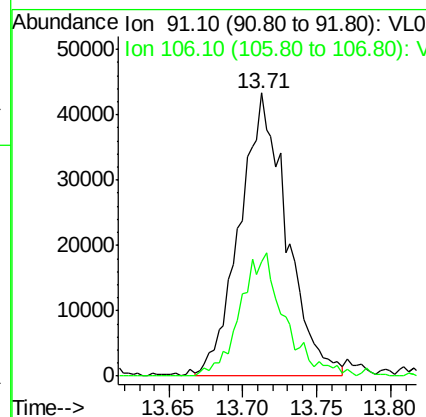
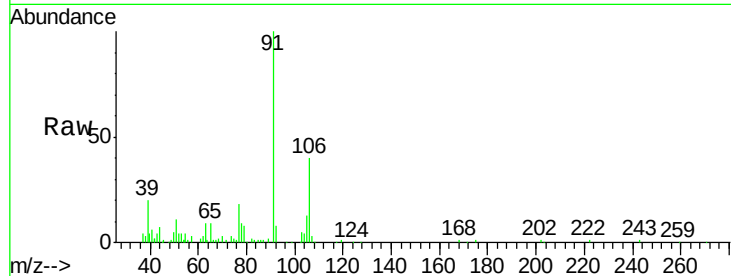
#60
o-Xylene
Concen: 0.355 ppbv m
RT: 13.71 min Scan# 3398
Delta R.T. -0.01 min
Lab File: VL036090.D
Acq: 8 Dec 2020 7:41

Instrument :
MSVOA_L
ClientSampled :
IA-3BDL

Tot Ion: 91 Resp: 95908
Ion Ratio Lower Upper
91 100
106 41.5 21.6 64.6

Manual Integrations
APPROVED

MMDadoda
12/10/2020 9:53:57 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.689 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. -0.01 min
Lab File: VL036090.D
Acq: 8 Dec 2020 7:41

Tgt Ion: 95 Resp: 2108115
Ion Ratio Lower Upper
95 100
174 58.1 50.7 76.1
175 4.1 4.0 6.0

