

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036363.D
 Acq On : 24 Feb 2021 23:19
 Operator : SY/AP
 Sample : M1463-07DL DUP 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-1DL DUP

Manual Integrations
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 2/26/2021 4:17:42 PM

Quant Time: Feb 26 14:19:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1716867	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	3683795	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.11	117	3318563	10.00	ppbv	0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2631060	9.64	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	65258	0.821	ppbv #	79
13) Ethanol	3.62	45	475781m	31.849	ppbv	
15) Acetone	3.86	43	617864	2.944	ppbv	93
19) Isopropyl Alcohol	3.99	45	397744m	3.421	ppbv	
20) Methylene Chloride	4.36	84	382908	5.655	ppbv	93
26) Hexane	5.71	57	116712	0.701	ppbv #	40
29) Chloroform	5.77	83	275360m	1.027	ppbv	
44) 2,2,4-Trimethylpentane	7.89	57	94360	0.166	ppbv #	86
53) Toluene	9.83	91	126347	0.373	ppbv	97
59) m/p-Xylene	12.98	91	66544m	0.167	ppbv	

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

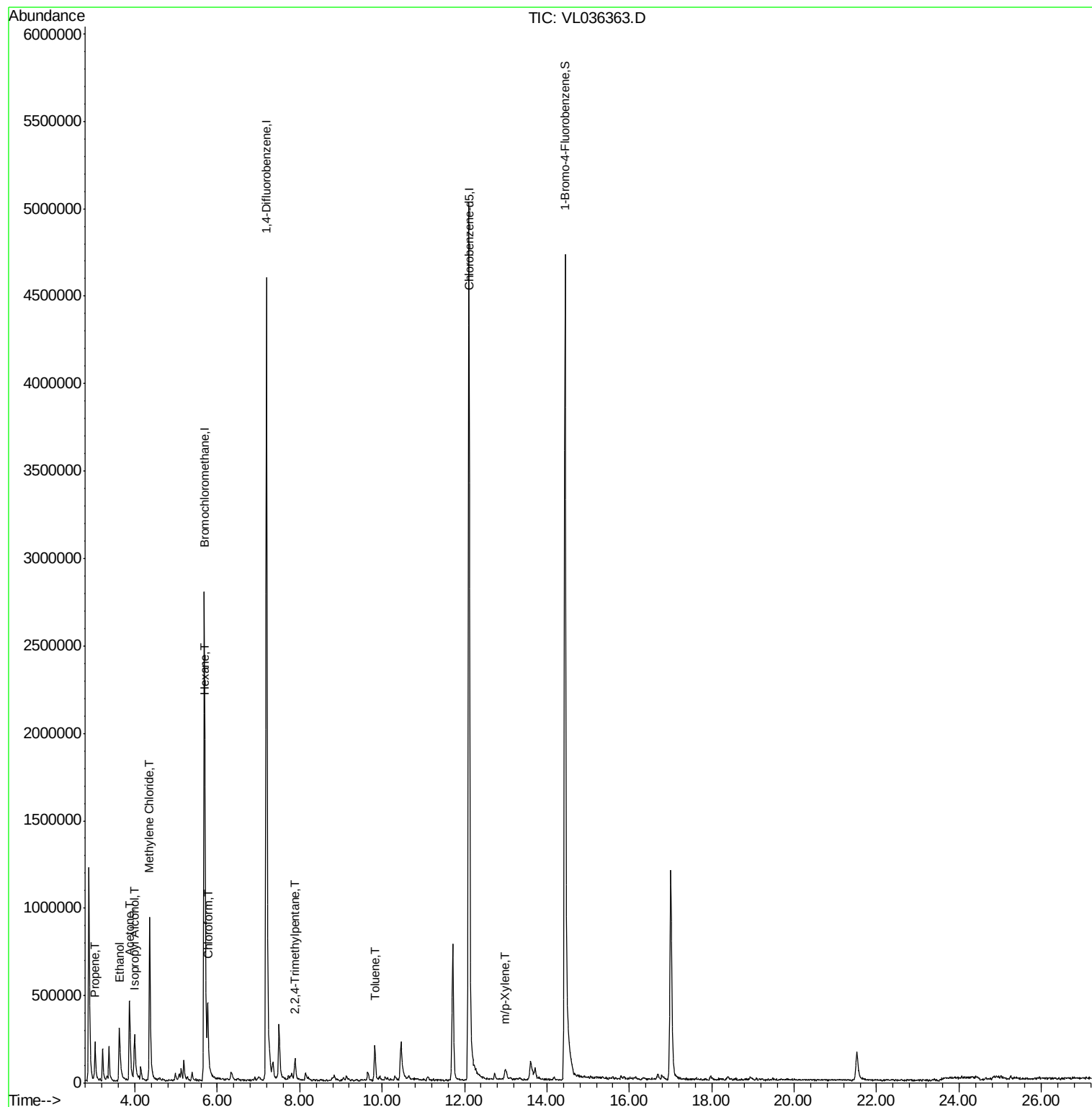
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022421\
Data File : VL036363.D
Acq On : 24 Feb 2021 23:19
Operator : SY/AP
Sample : M1463-07DLUP 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

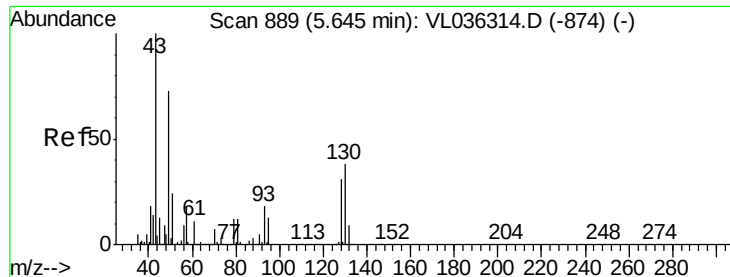
Instrument :
MSVOA_L
ClientSampleId :
NS-1DLUP

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Quant Time: Feb 26 14:19:10 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.04 min

Lab File: VL036363.D

Acq: 24 Feb 2021 23:19

Instrument :

MSVOA_L

ClientSampleId :

NS-1DLDP

Tot Ion: 49 Resp: 1716867

Ion Ratio Lower Upper

49 100

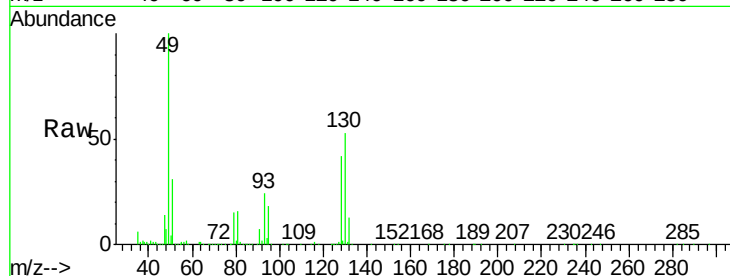
128 41.2 20.8 62.5

130 52.9 26.7 80.1

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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

5.68

800000

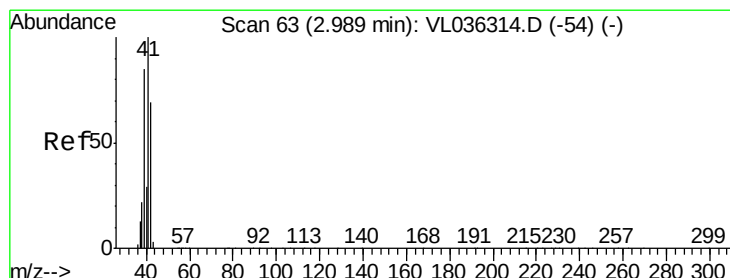
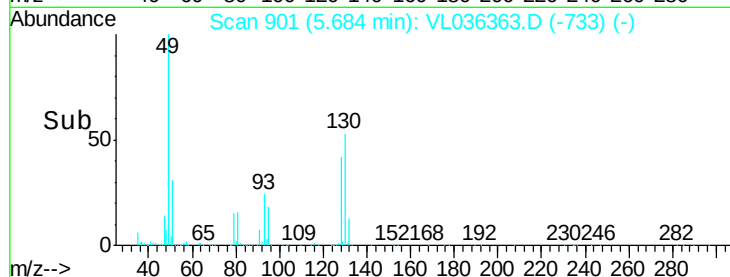
600000

400000

200000

0

Time-->



#9

Propene

Concen: 0.821 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.04 min

Lab File: VL036363.D

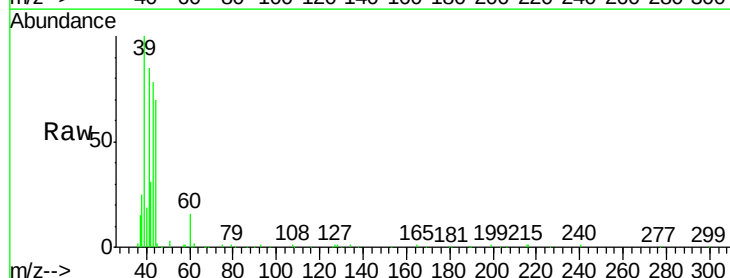
Acq: 24 Feb 2021 23:19

Tgt Ion: 41 Resp: 65258

Ion Ratio Lower Upper

41 100

42 52.7 56.2 84.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.03

50000

40000

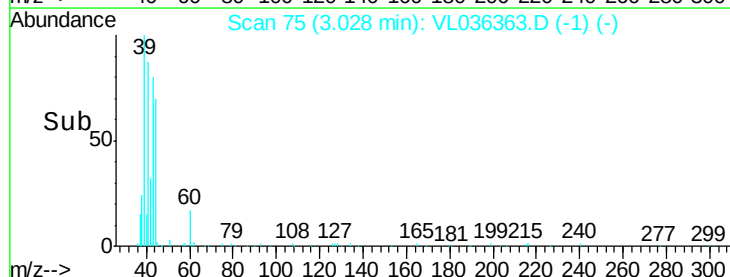
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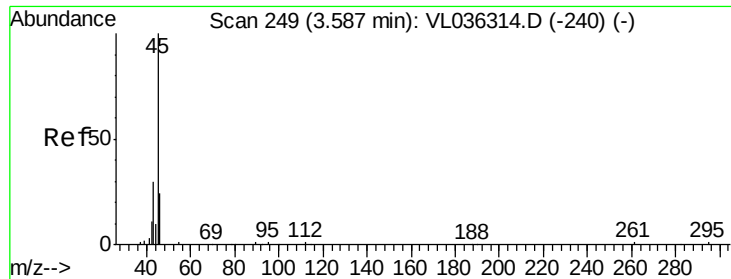
20000

10000

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Time-->





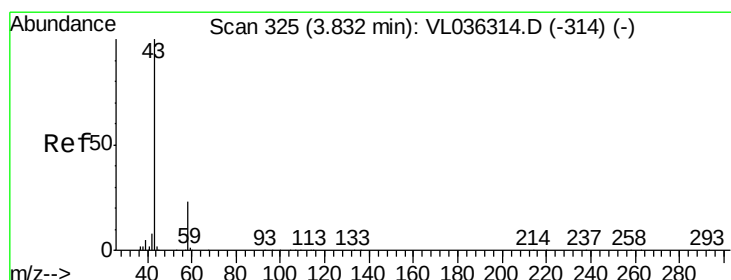
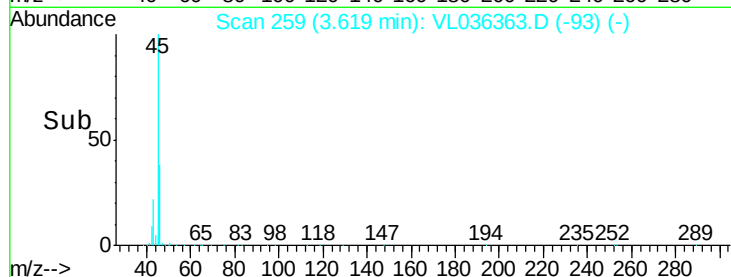
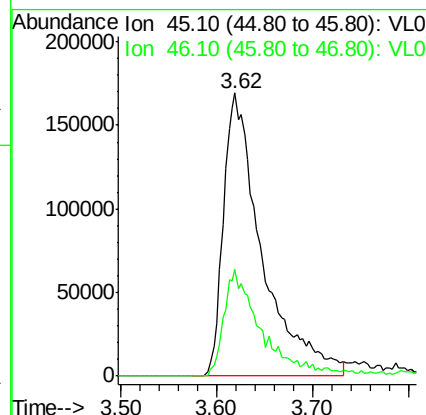
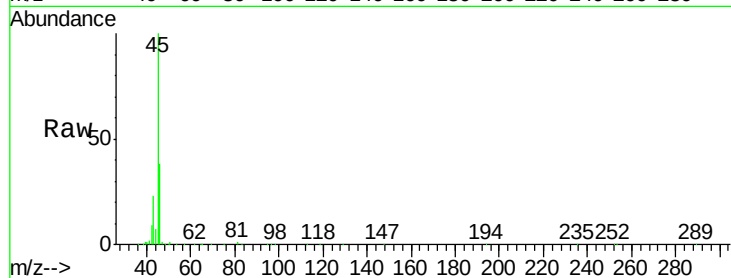
#13
Ethanol
Concen: 31.849 ppbv m
RT: 3.62 min Scan# 259
Delta R.T. 0.03 min
Lab File: VL036363.D
Acq: 24 Feb 2021 23:19

Instrument :
MSVOA_L
ClientSampleId :
NS-1DLDP

Tot Ion: 45 Resp: 475781
Ion Ratio Lower Upper
45 100
46 36.7 17.7 70.7

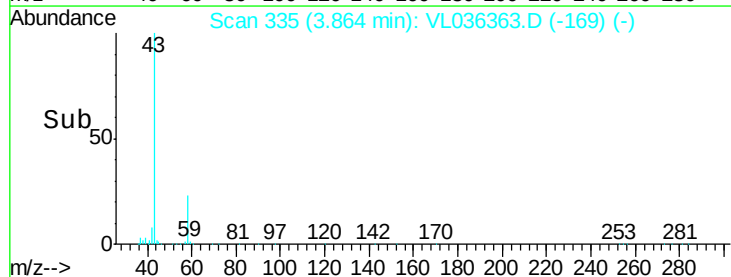
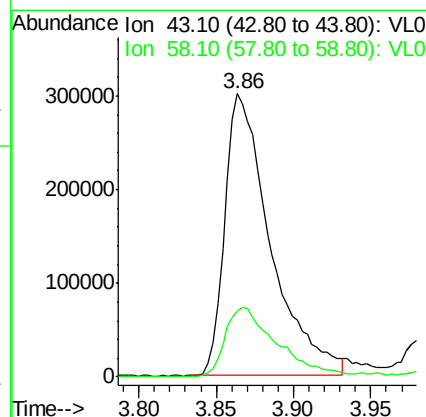
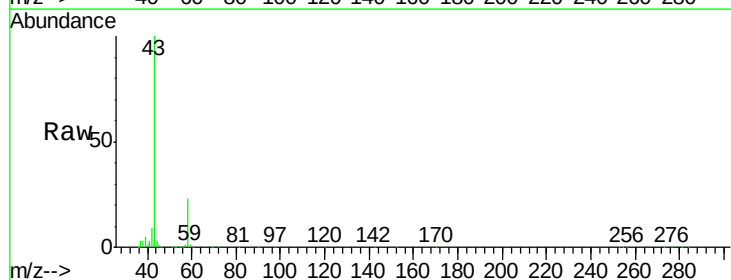
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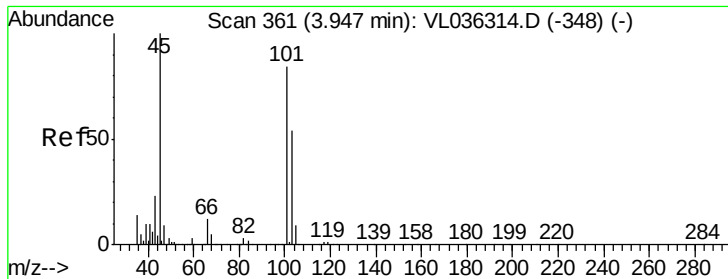
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#15
Acetone
Concen: 2.944 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.03 min
Lab File: VL036363.D
Acq: 24 Feb 2021 23:19

Tgt Ion: 43 Resp: 617864
Ion Ratio Lower Upper
43 100
58 28.7 20.3 30.5





#19

Isopropyl Alcohol

Concen: 3.421 ppbv m

RT: 3.99 min Scan# 375

Delta R.T. 0.05 min

Lab File: VL036363.D

Acq: 24 Feb 2021 23:19

Instrument :

MSVOA_L

ClientSampleId :

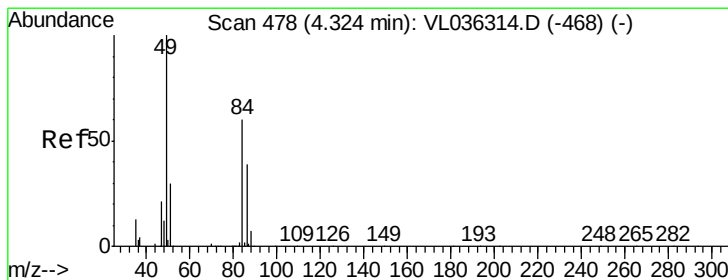
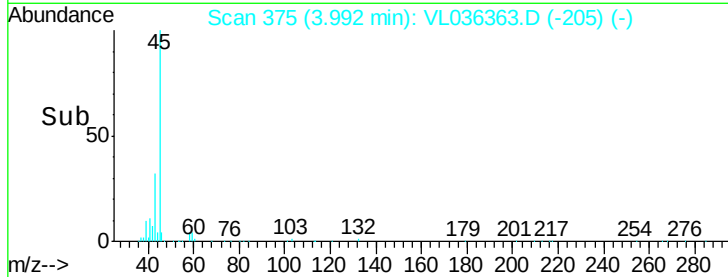
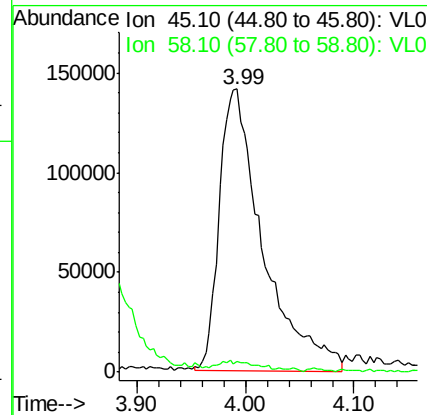
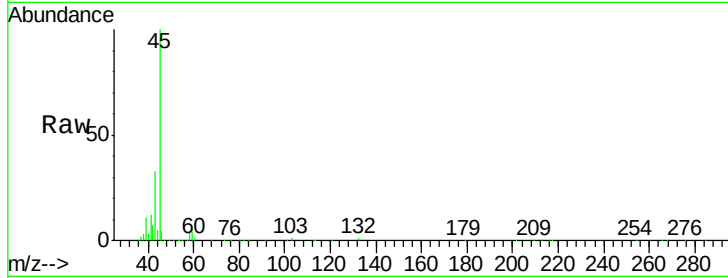
NS-1DLDP

Tot Ion: 45 Resp: 397744

Ion	Ratio	Lower	Upper
45	100		
58	5.0	1.9	2.9#

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#20

Methylene Chloride

Concen: 5.655 ppbv

RT: 4.36 min Scan# 488

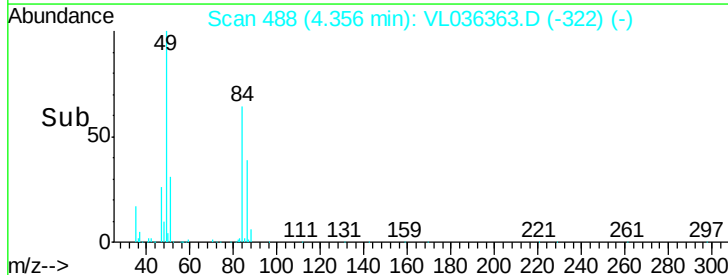
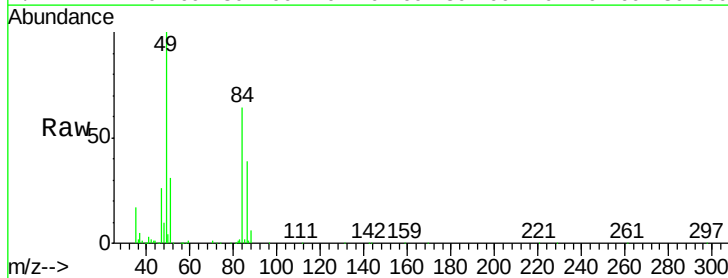
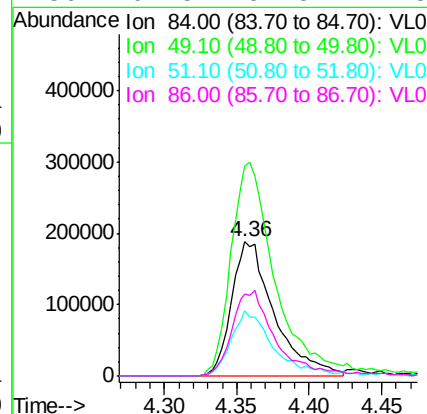
Delta R.T. 0.03 min

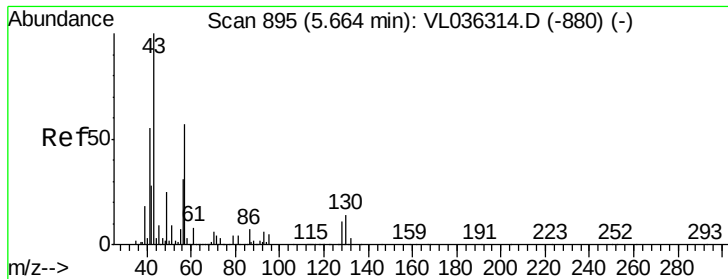
Lab File: VL036363.D

Acq: 24 Feb 2021 23:19

Tgt Ion: 84 Resp: 382908

Ion	Ratio	Lower	Upper
84	100		
49	156.0	133.8	200.8
51	48.2	41.4	62.0
86	61.5	51.5	77.3





#26

Hexane

Concen: 0.701 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.04 min

Lab File: VL036363.D

Acq: 24 Feb 2021 23:19

Instrument :

MSVOA_L

ClientSampleId :

NS-1DLDP

Tot Ion: 57 Resp: 116712

Ion Ratio Lower Upper

57 100

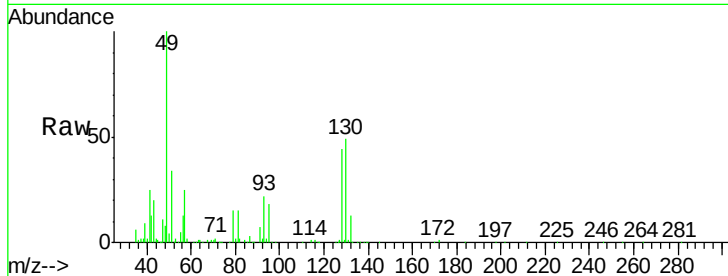
41 110.0 81.7 122.5

43 87.6 199.1 298.7#

56 61.3 44.0 66.0

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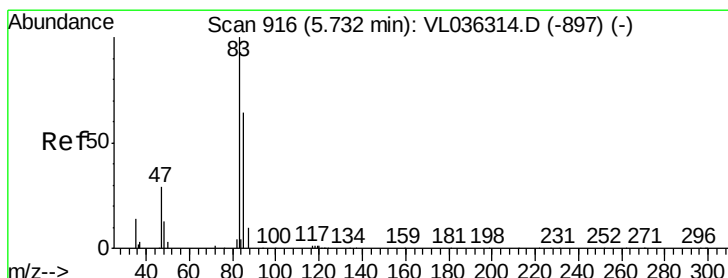
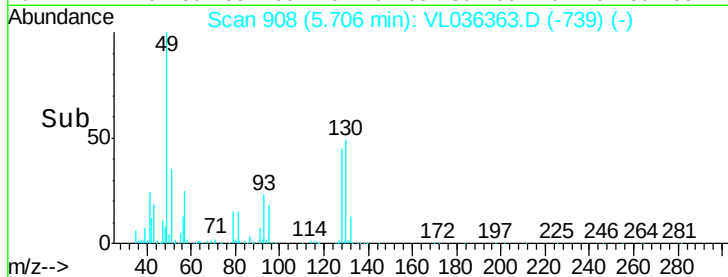
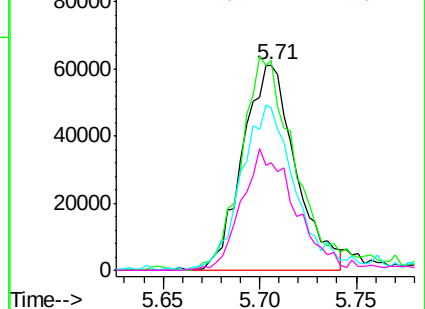


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29

Chloroform

Concen: 1.027 ppbv m

RT: 5.77 min Scan# 928

Delta R.T. 0.04 min

Lab File: VL036363.D

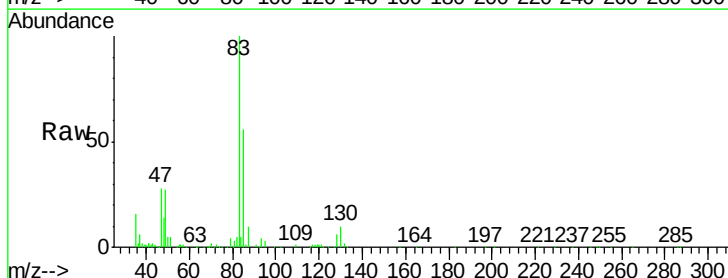
Acq: 24 Feb 2021 23:19

Tgt Ion: 83 Resp: 275360

Ion Ratio Lower Upper

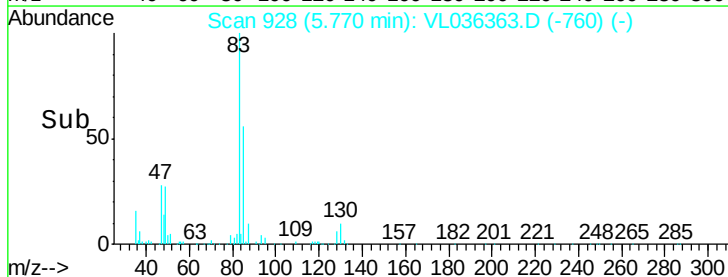
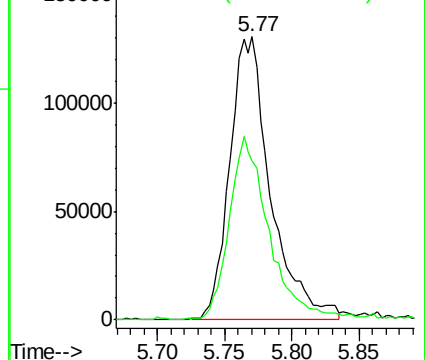
83 100

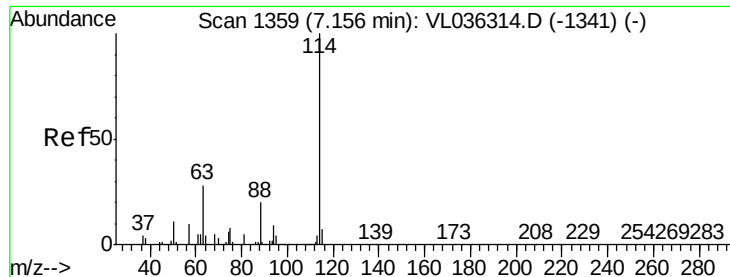
85 56.4 51.4 77.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





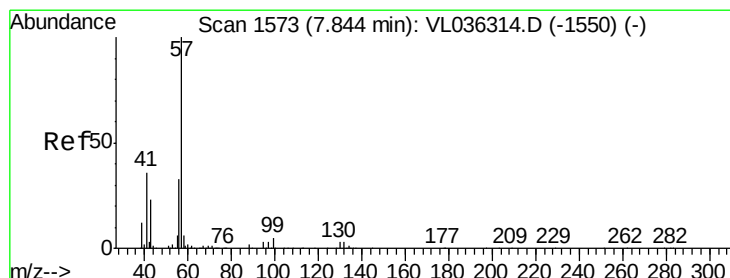
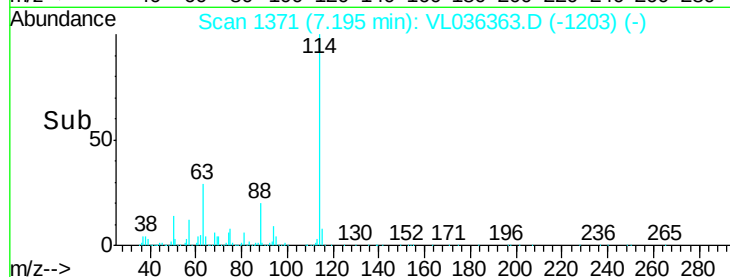
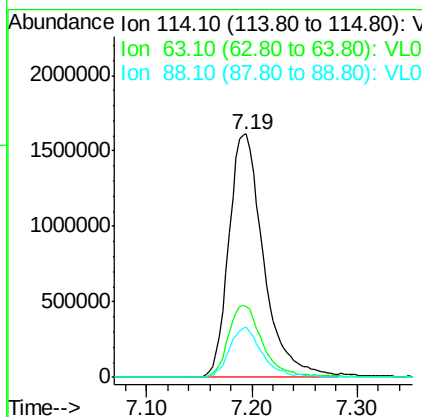
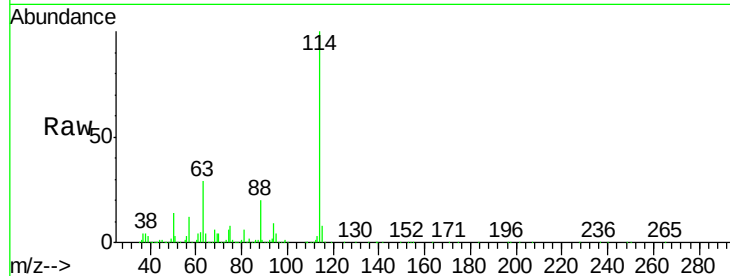
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.04 min
 Lab File: VL036363.D
 Acq: 24 Feb 2021 23:19

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-1DLDP

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.6	24.1	36.1
88	19.6	16.0	24.0

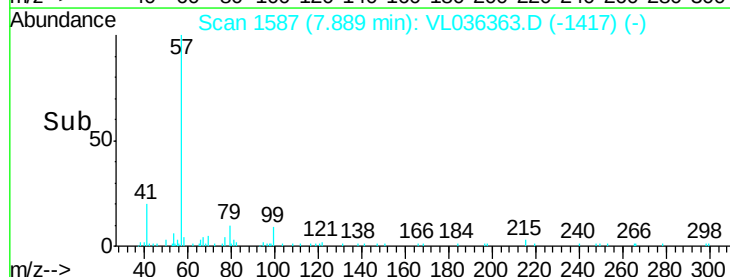
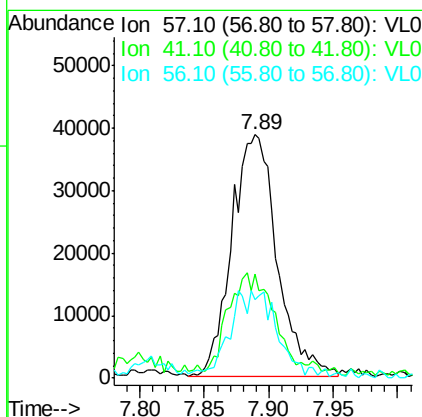
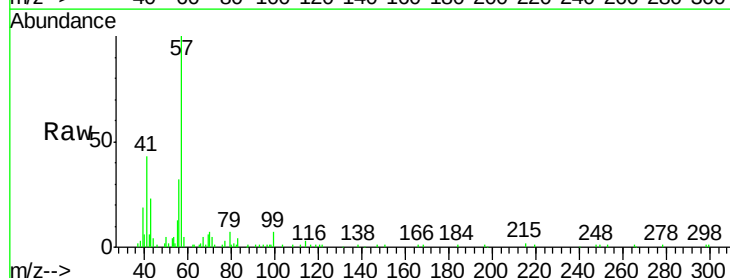
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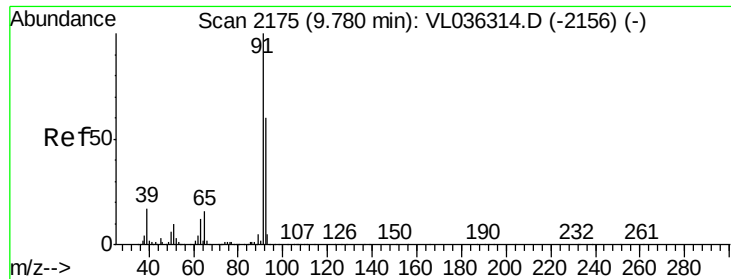
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#44
 2,2,4-Trimethylpentane
 Concen: 0.166 ppbv
 RT: 7.89 min Scan# 1587
 Delta R.T. 0.05 min
 Lab File: VL036363.D
 Acq: 24 Feb 2021 23:19

Tgt Ion	Ratio	Lower	Upper
57	100		
41	43.4	28.8	43.2#
56	40.7	25.8	38.6#





#53

Toluene

Concen: 0.373 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.05 min

Lab File: VL036363.D

Acq: 24 Feb 2021 23:19

Instrument :

MSVOA_L

ClientSampleId :

NS-1DLDP

Tot Ion: 91 Resp: 126347

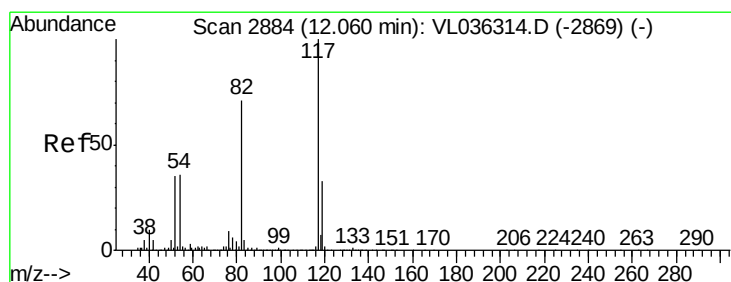
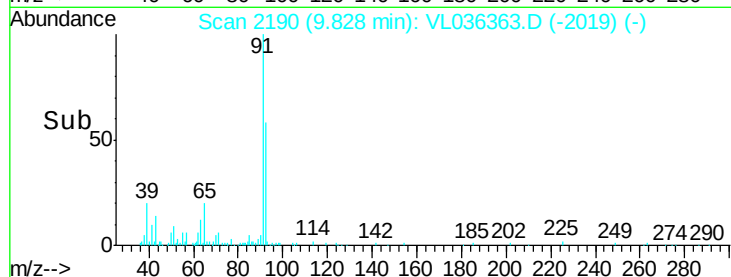
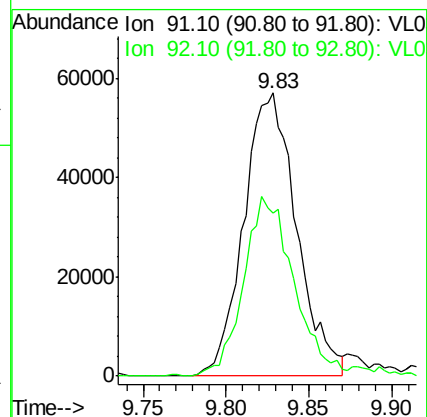
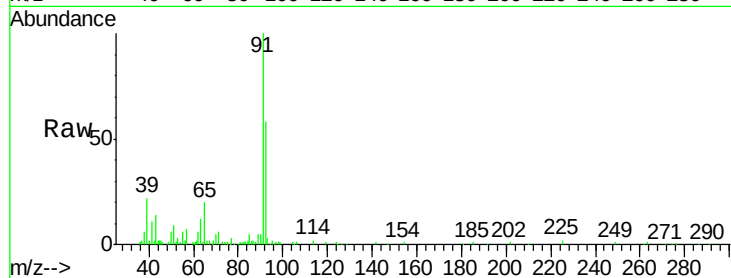
Ion Ratio Lower Upper

91 100

92 62.9 48.6 72.8

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. 0.05 min

Lab File: VL036363.D

Acq: 24 Feb 2021 23:19

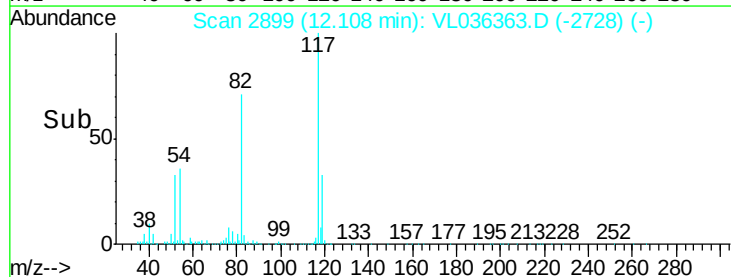
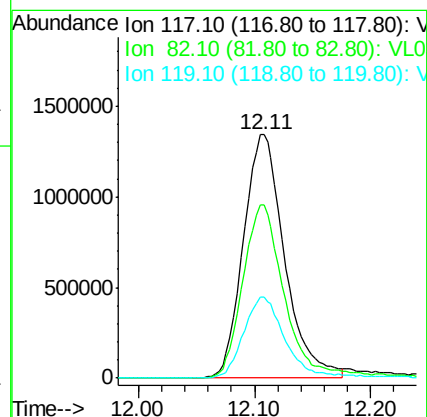
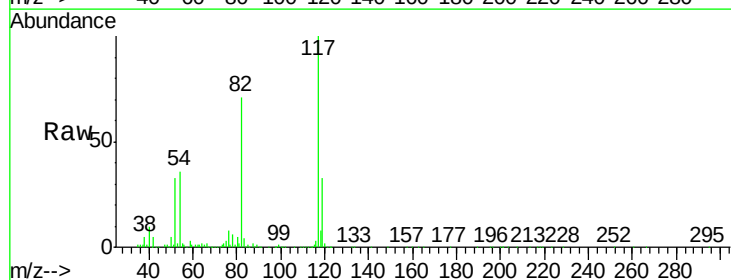
Tgt Ion: 117 Resp: 3318563

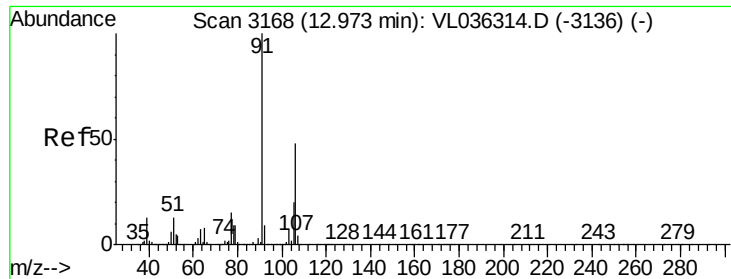
Ion Ratio Lower Upper

117 100

82 73.8 59.1 88.7

119 34.7 46.3 69.5#





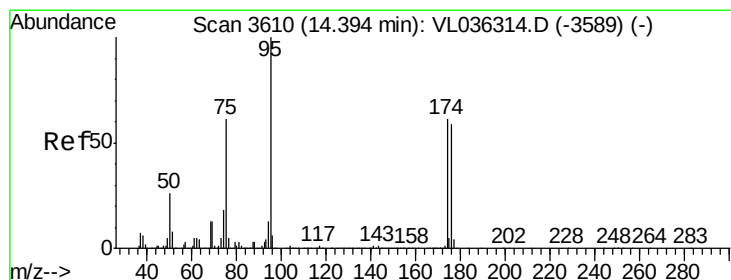
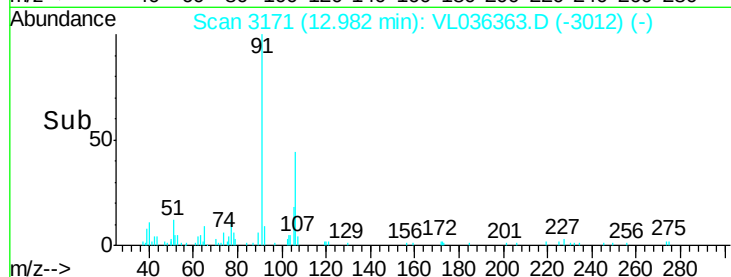
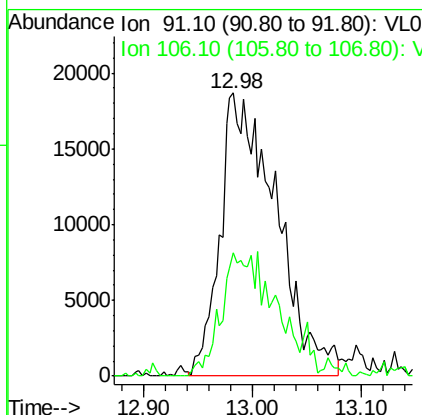
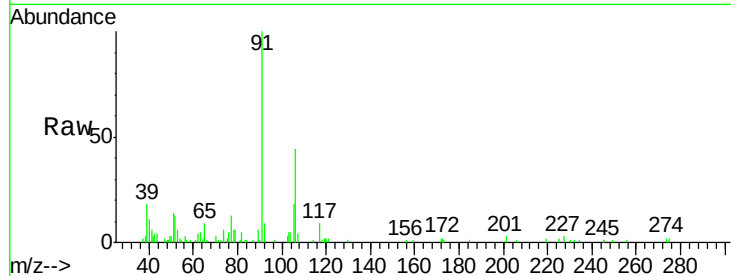
#59
m/p-Xylene
Concen: 0.167 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. 0.01 min
Lab File: VL036363.D
Acq: 24 Feb 2021 23:19

Instrument :
MSVOA_L
ClientSampleId :
NS-1DLDP

Tot Ion: 91 Resp: 66544
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.636 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. 0.04 min
Lab File: VL036363.D
Acq: 24 Feb 2021 23:19

Tgt Ion: 95 Resp: 2631060
Ion Ratio Lower Upper
95 100
174 65.7 49.8 74.6
175 4.7 3.7 5.5

