

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036356.D
 Acq On : 24 Feb 2021 18:41
 Operator : SY/AP
 Sample : M1463-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-13DL

Manual Integrations
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 2/26/2021 4:17:18 PM

Quant Time: Feb 26 14:01:53 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 16:04:02 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	1698346	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3781042	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3414805	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2813216	10.01	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	44160m	0.561	ppbv	
13) Ethanol	3.62	45	505339m	34.196	ppbv	
15) Acetone	3.86	43	275080	1.325	ppbv	# 90
19) Isopropyl Alcohol	3.98	45	531653m	4.622	ppbv	
20) Methylene Chloride	4.36	84	232094	3.465	ppbv	98
26) Hexane	5.70	57	64426m	0.391	ppbv	
44) 2,2,4-Trimethylpentane	7.88	57	124525m	0.213	ppbv	
53) Toluene	9.82	91	199536	0.574	ppbv	99
59) m/p-Xylene	12.98	91	109491m	0.267	ppbv	
60) o-Xylene	13.71	91	48957m	0.125	ppbv	

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

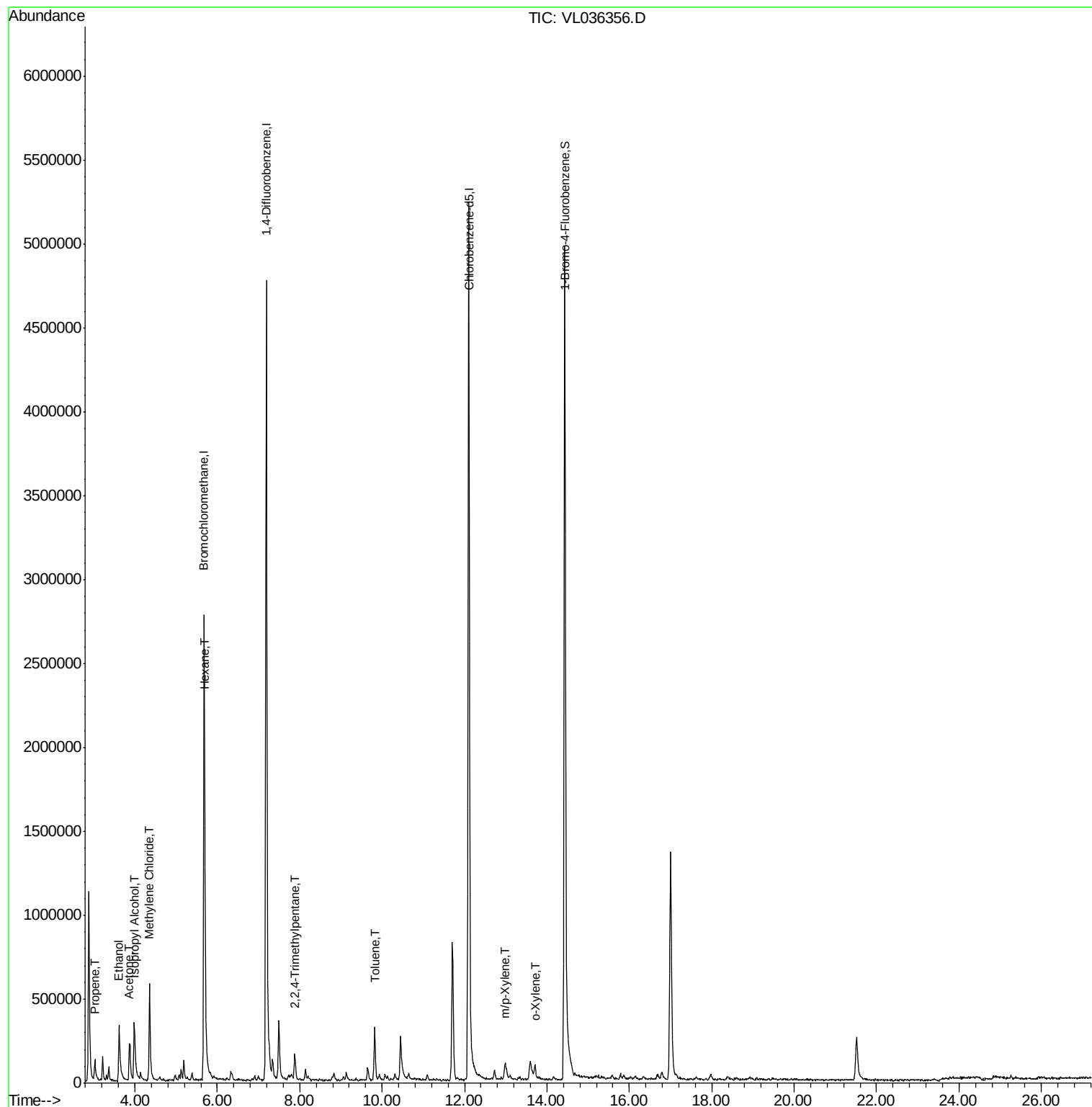
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022421\
Data File : VL036356.D
Acq On : 24 Feb 2021 18:41
Operator : SY/AP
Sample : M1463-04DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

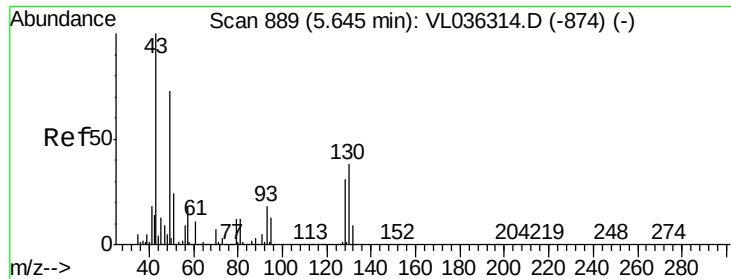
Instrument :
MSVOA_L
ClientSampleId :
NS-13DL

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Quant Time: Feb 26 14:01:53 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





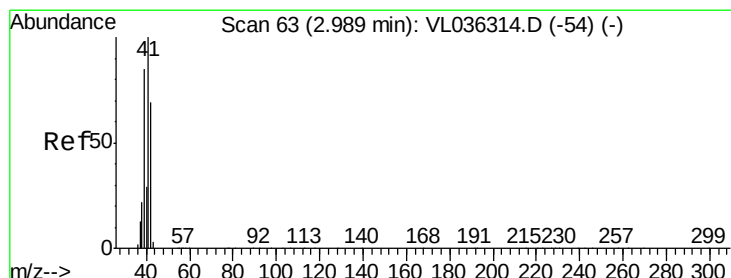
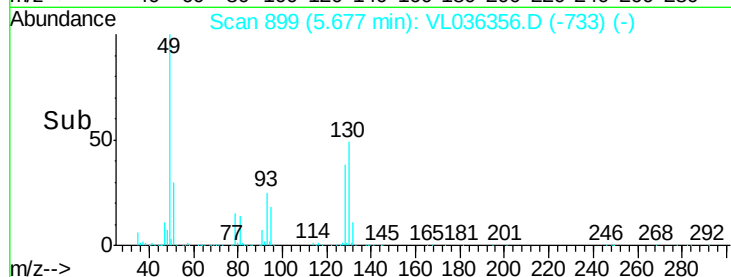
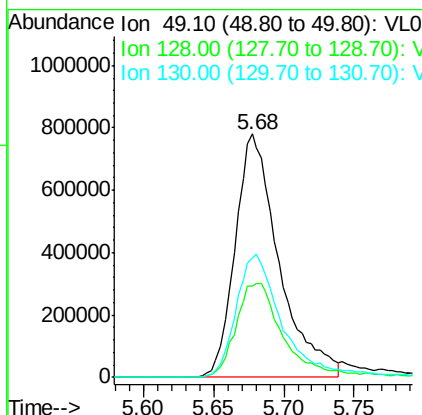
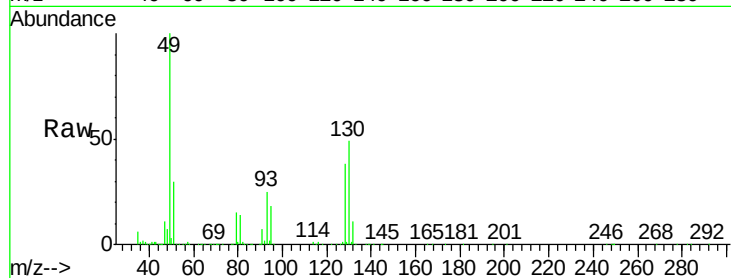
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 899
 Delta R.T. 0.03 min
 Lab File: VL036356.D
 Acq: 24 Feb 2021 18:41

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-13DL

Tot Ion: 49 Resp: 1698346
 Ion Ratio Lower Upper
 49 100
 128 43.5 20.8 62.5
 130 55.6 26.7 80.1

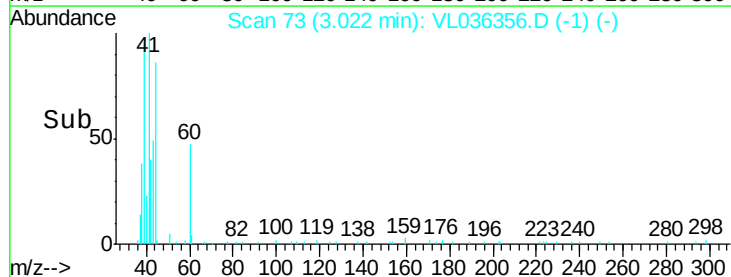
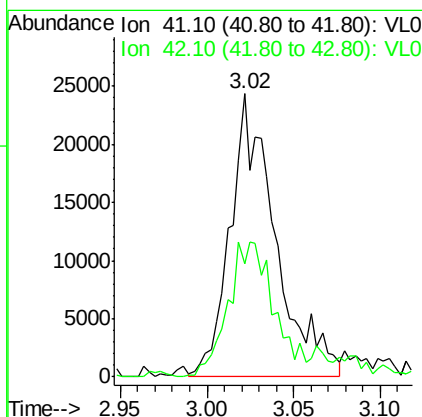
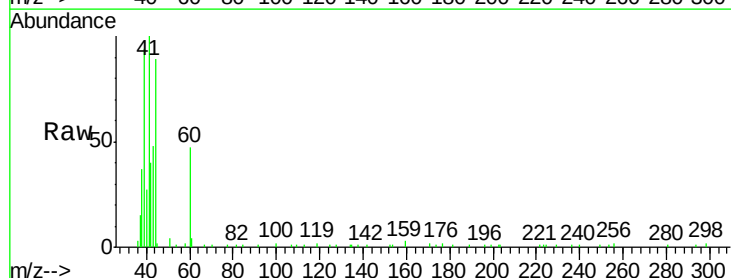
Manual Integrations
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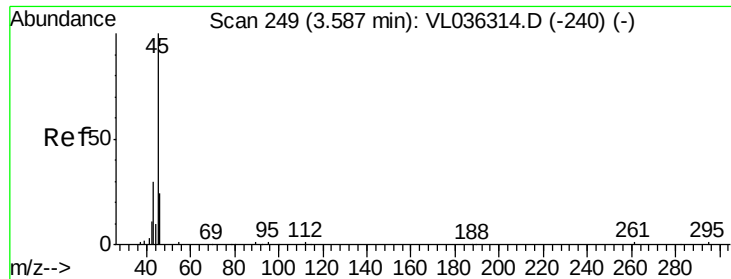
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#9
 Propene
 Concen: 0.561 ppbv m
 RT: 3.02 min Scan# 73
 Delta R.T. 0.03 min
 Lab File: VL036356.D
 Acq: 24 Feb 2021 18:41

Tgt Ion: 41 Resp: 44160
 Ion Ratio Lower Upper
 41 100
 42 20.7 56.2 84.2#





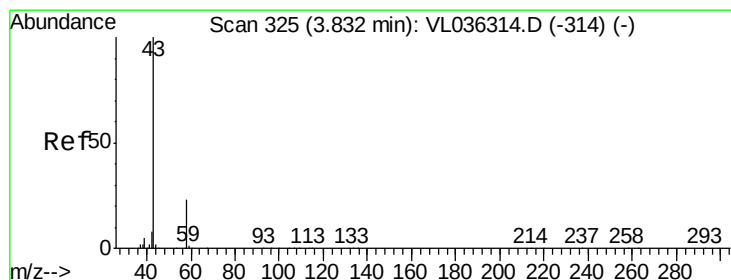
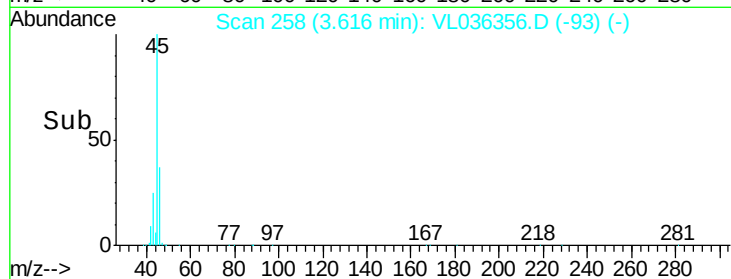
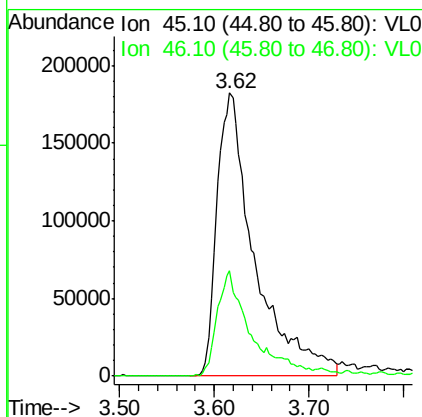
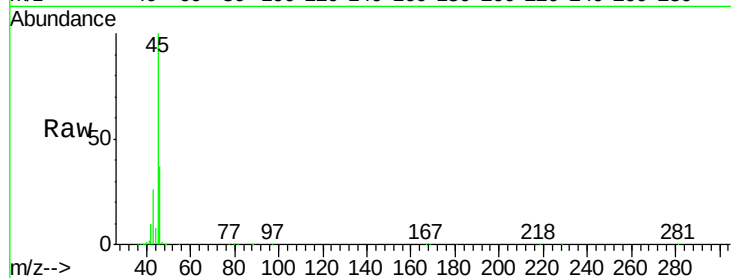
#13
Ethanol
Concen: 34.196 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.03 min
Lab File: VL036356.D
Acq: 24 Feb 2021 18:41

Instrument :
MSVOA_L
ClientSampled :
NS-13DL

Tot Ion: 45 Resp: 505339
Ion Ratio Lower Upper
45 100
46 34.1 17.7 70.7

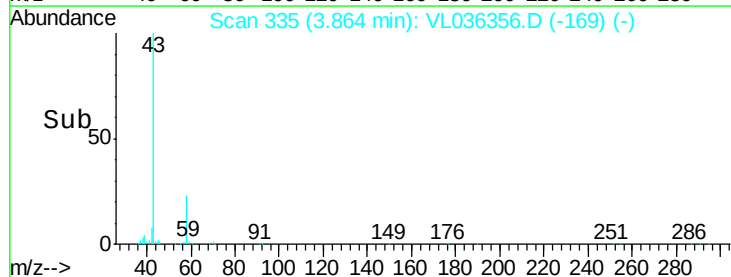
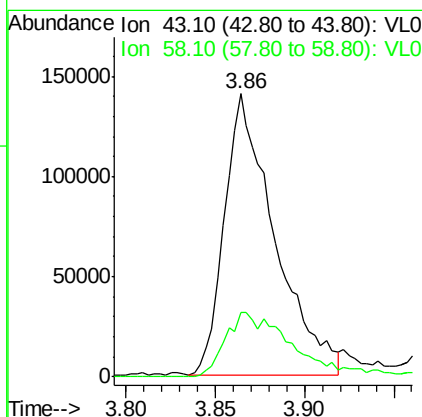
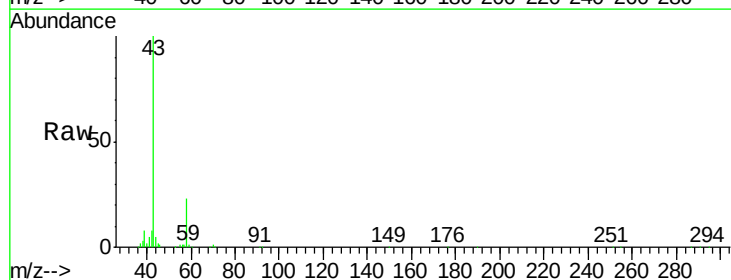
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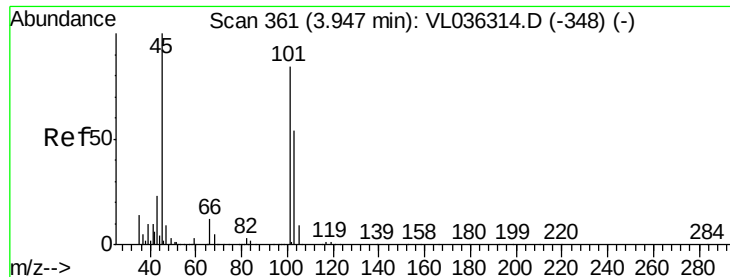
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#15
Acetone
Concen: 1.325 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.03 min
Lab File: VL036356.D
Acq: 24 Feb 2021 18:41

Tgt Ion: 43 Resp: 275080
Ion Ratio Lower Upper
43 100
58 30.7 20.3 30.5#





#19

Isopropyl Alcohol

Concen: 4.622 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.04 min

Lab File: VL036356.D

Acq: 24 Feb 2021 18:41

Instrument :

MSVOA_L

ClientSampleId :

NS-13DL

Tot Ion: 45 Resp: 531653

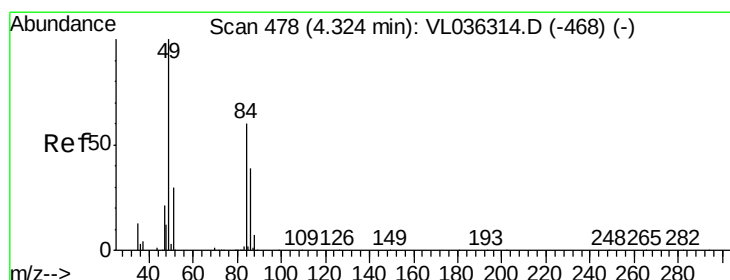
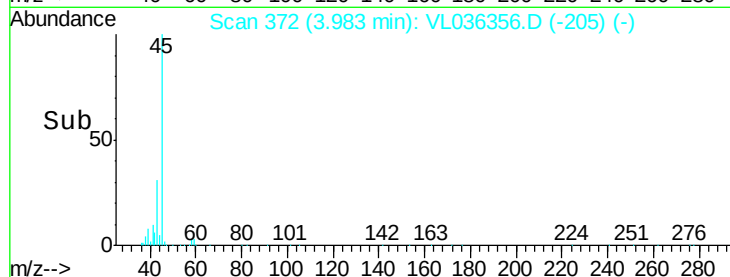
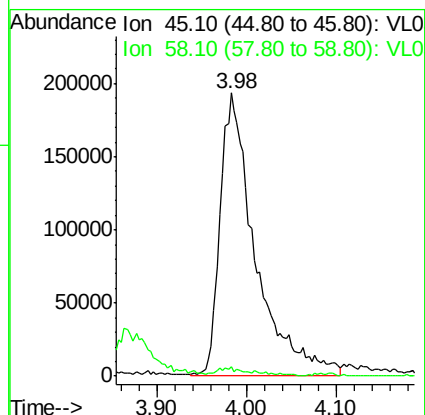
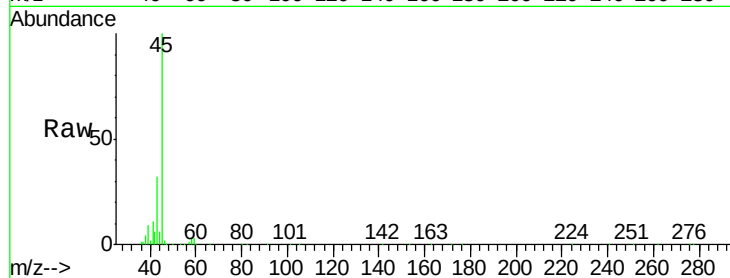
Ion Ratio Lower Upper

45 100

58 3.0 1.9 2.9#

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#20

Methylene Chloride

Concen: 3.465 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL036356.D

Acq: 24 Feb 2021 18:41

Tgt Ion: 84 Resp: 232094

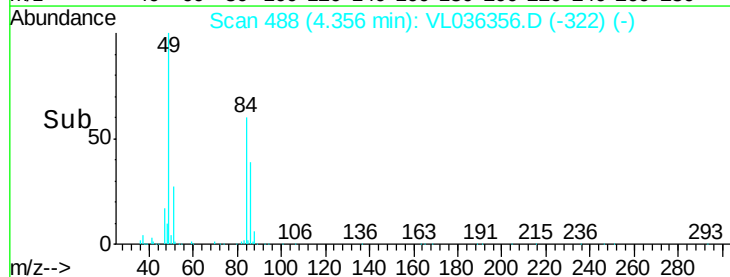
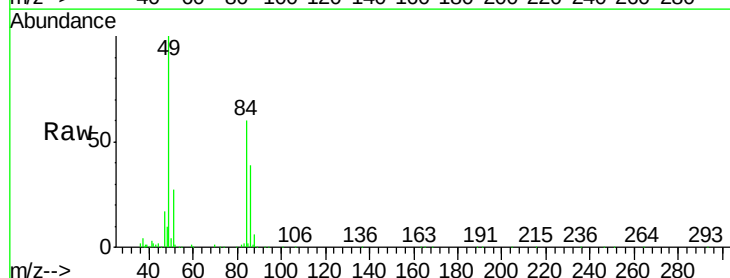
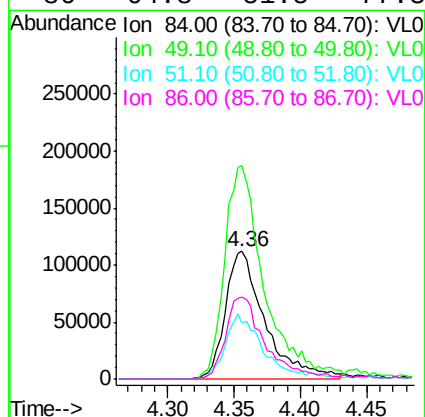
Ion Ratio Lower Upper

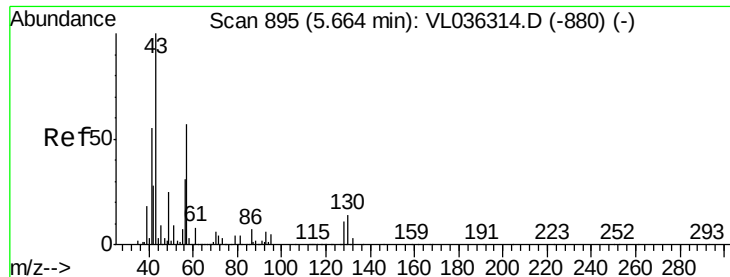
84 100

49 167.3 133.8 200.8

51 44.4 41.4 62.0

86 64.8 51.5 77.3





#26

Hexane

Concen: 0.391 ppbv m

RT: 5.70 min Scan# 906

Delta R.T. 0.04 min

Lab File: VL036356.D

Acq: 24 Feb 2021 18:41

Instrument :

MSVOA_L

ClientSampleId :

NS-13DL

Tot Ion: 57 Resp: 64426

Ion Ratio Lower Upper

57 100

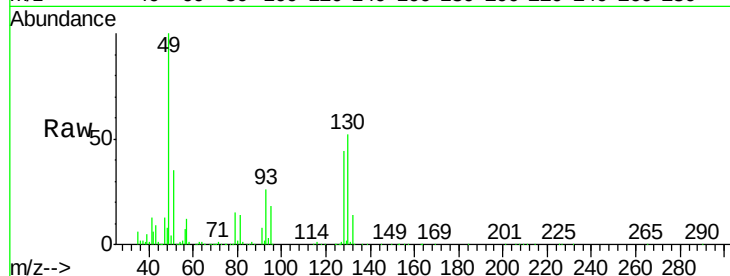
41 113.6 81.7 122.5

43 96.8 199.1 298.7#

56 65.4 44.0 66.0

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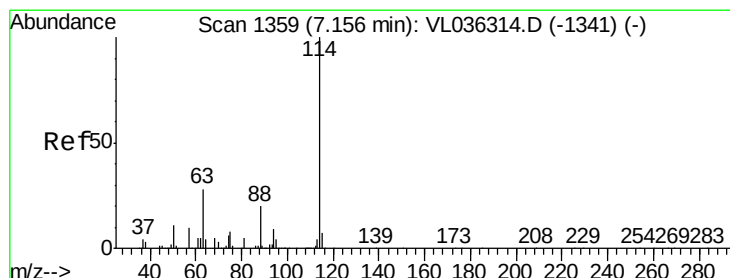
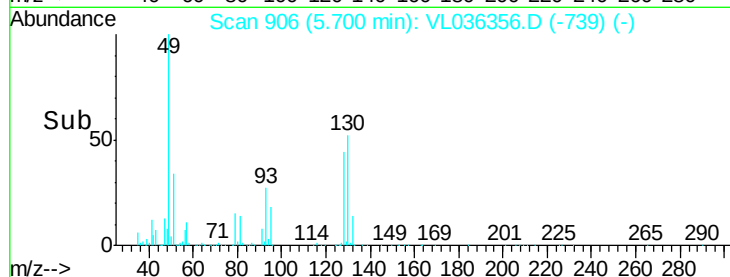
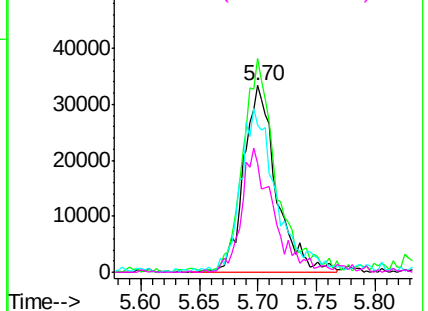


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.03 min

Lab File: VL036356.D

Acq: 24 Feb 2021 18:41

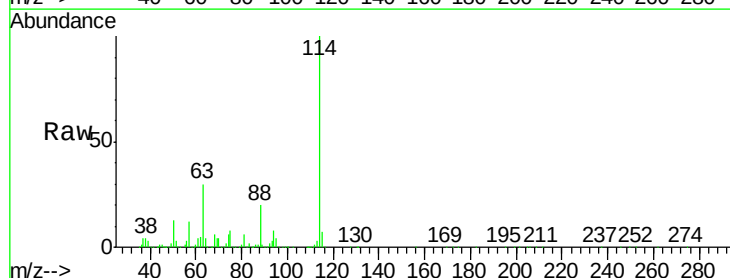
Tgt Ion:114 Resp: 3781042

Ion Ratio Lower Upper

114 100

63 29.4 24.1 36.1

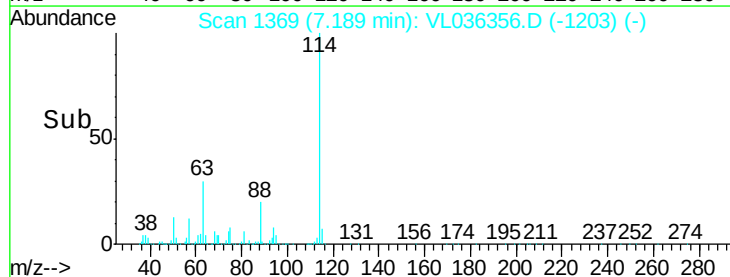
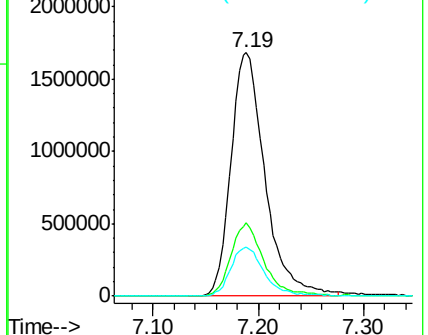
88 20.4 16.0 24.0

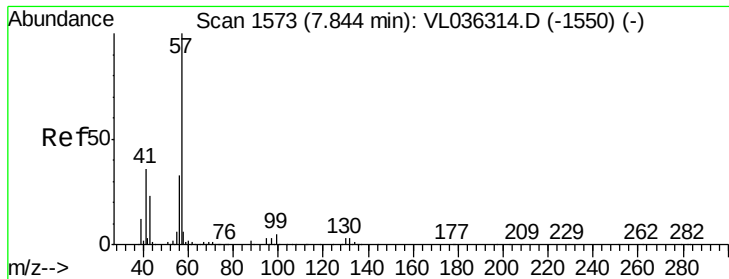


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





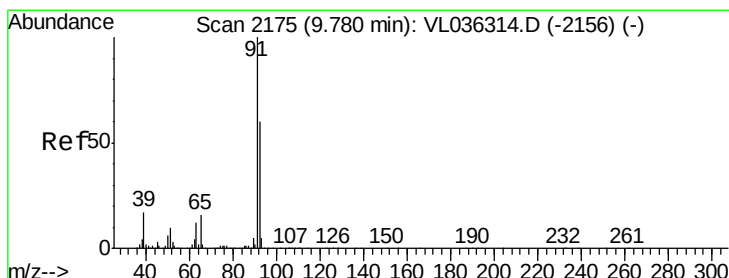
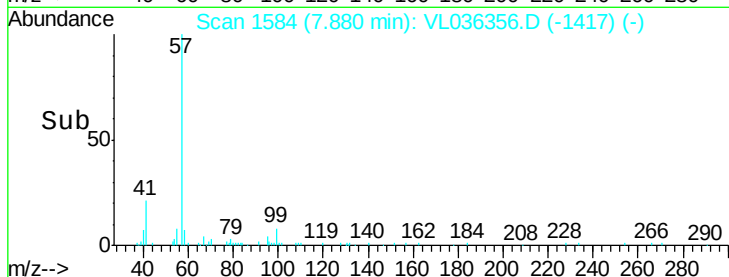
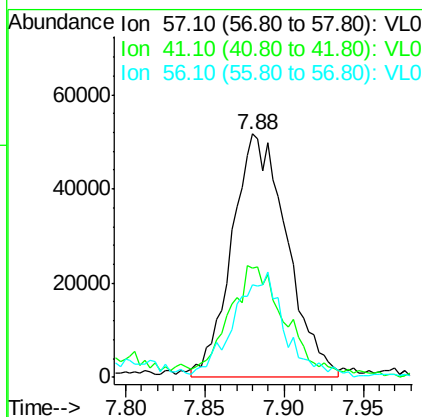
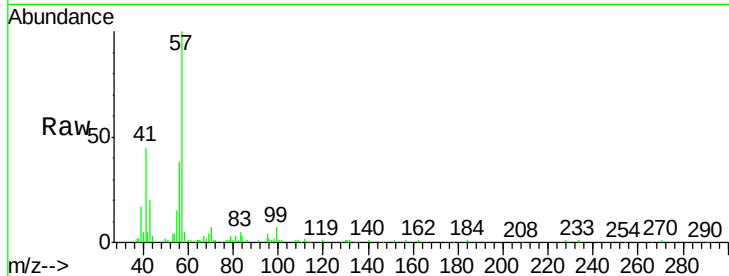
#44
 2,2,4-Trimethylpentane
 Concen: 0.213 ppbv m
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.04 min
 Lab File: VL036356.D
 Acq: 24 Feb 2021 18:41

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-13DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	46.8	28.8	43.2#
56	0.0	25.8	38.6#

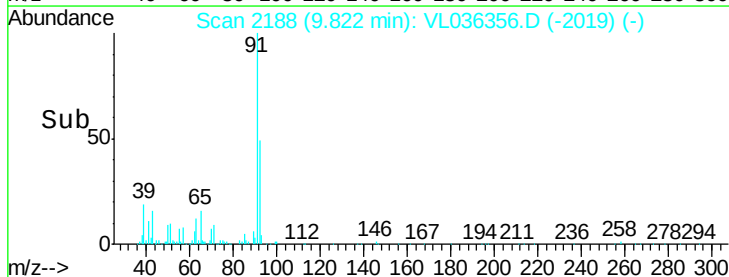
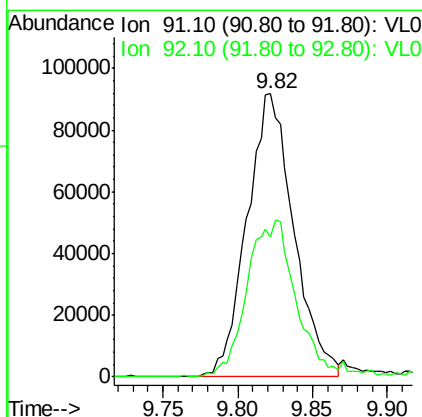
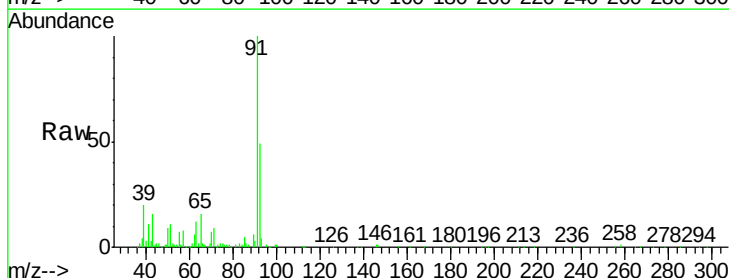
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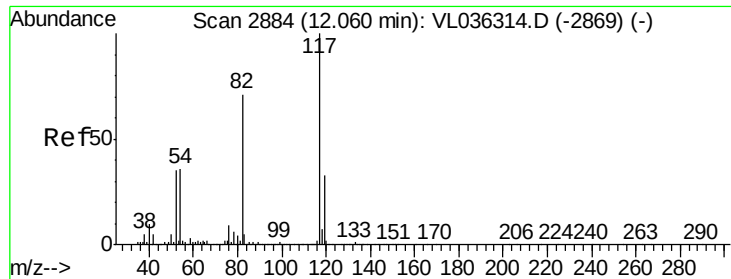
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#53
 Toluene
 Concen: 0.574 ppbv
 RT: 9.82 min Scan# 2188
 Delta R.T. 0.04 min
 Lab File: VL036356.D
 Acq: 24 Feb 2021 18:41

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.0	48.6	72.8





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.04 min

Lab File: VL036356.D

Acq: 24 Feb 2021 18:41

Instrument :

MSVOA_L

ClientSampleId :

NS-13DL

Tot Ion:117 Resp: 3414805

Ion Ratio Lower Upper

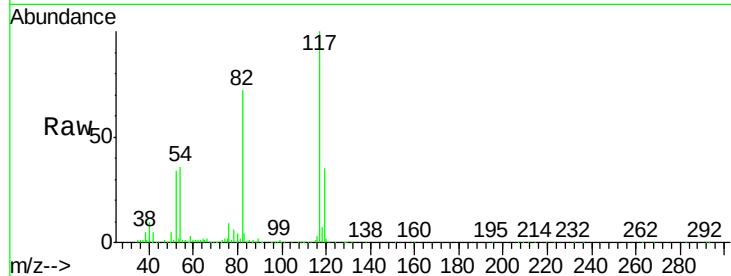
117 100

82 74.2 59.1 88.7

119 34.3 46.3 69.5#

Manual Integrations
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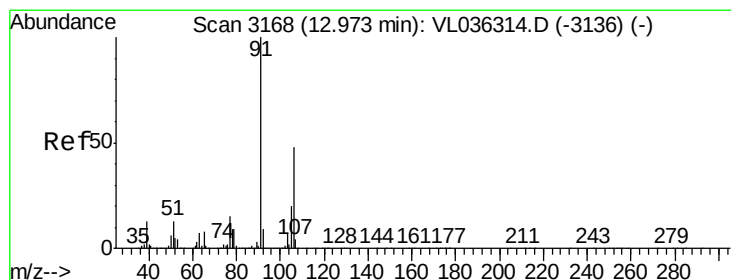
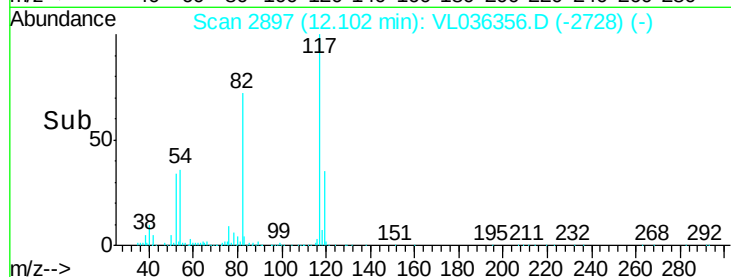
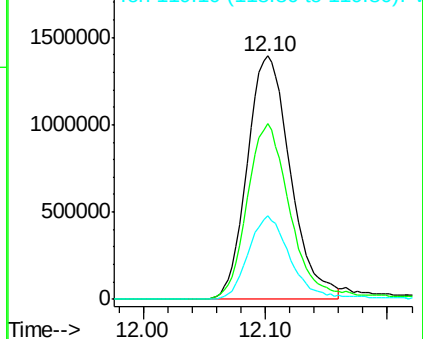
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#59

m/p-Xylene

Concen: 0.267 ppbv m

RT: 12.98 min Scan# 3170

Delta R.T. 0.01 min

Lab File: VL036356.D

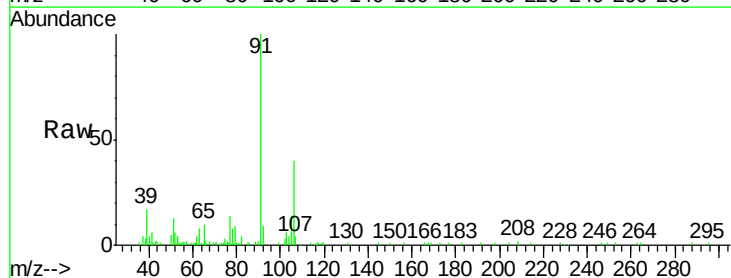
Acq: 24 Feb 2021 18:41

Tgt Ion: 91 Resp: 109491

Ion Ratio Lower Upper

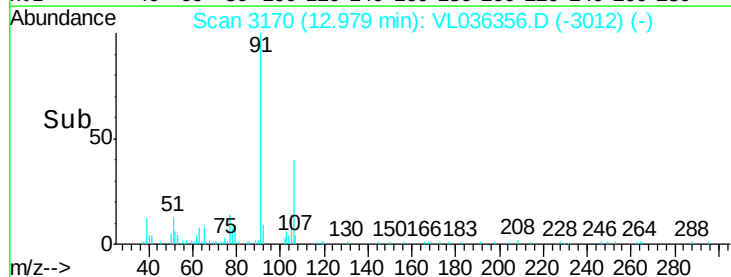
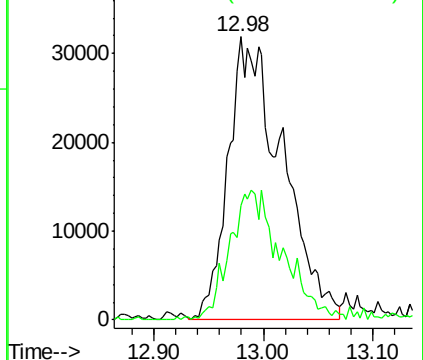
91 100

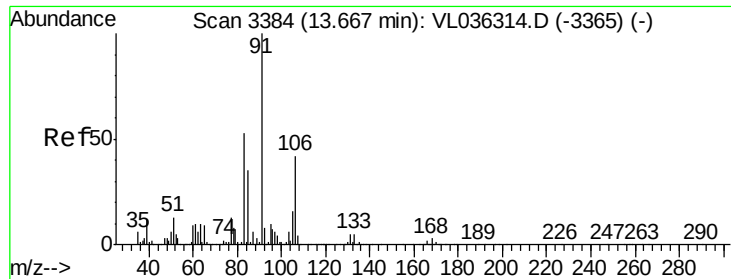
106 0.0 34.2 51.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





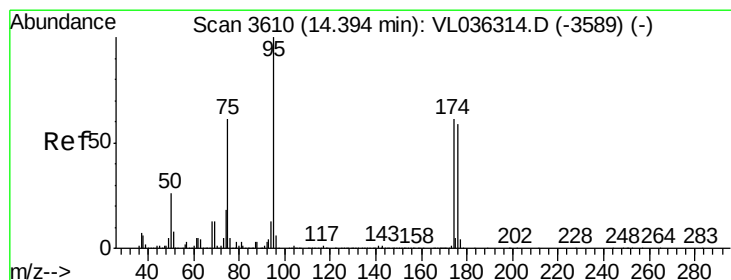
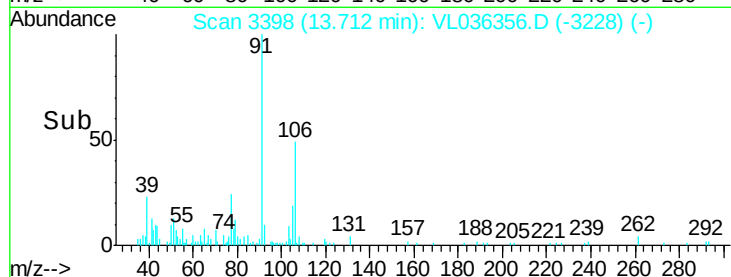
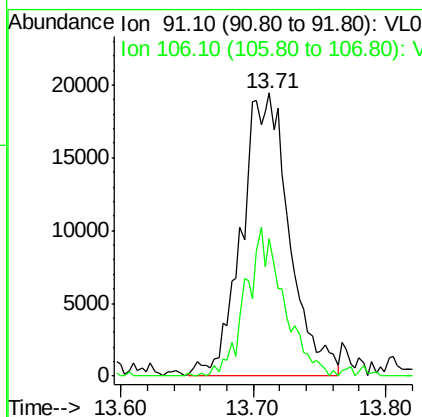
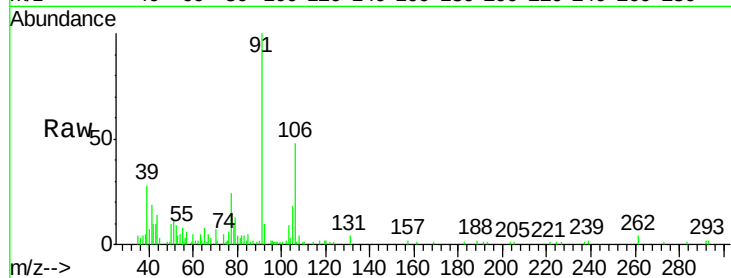
#60
o-Xylene
Concen: 0.125 ppbv m
RT: 13.71 min Scan# 3398
Delta R.T. 0.05 min
Lab File: VL036356.D
Acq: 24 Feb 2021 18:41

Instrument :
MSVOA_L
ClientSampled :
NS-13DL

Tot Ion: 91 Resp: 48957
Ion Ratio Lower Upper
91 100
106 0.0 22.0 66.0#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.013 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. 0.04 min
Lab File: VL036356.D
Acq: 24 Feb 2021 18:41

Tgt Ion: 95 Resp: 2813216
Ion Ratio Lower Upper
95 100
174 64.0 49.8 74.6
175 4.6 3.7 5.5

