

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036358.D
 Acq On : 24 Feb 2021 20:01
 Operator : SY/AP
 Sample : M1463-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-14DL

Manual Integrations
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 2/26/2021 4:17:25 PM

Quant Time: Feb 26 14:11:46 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	1721833	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	3740094	10.00	ppbv	0.04
55) Chlorobenzene-d5	12.10	117	3388904	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2599460	9.32	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	42091	0.528	ppbv	88
13) Ethanol	3.62	45	532299m	35.529	ppbv	
15) Acetone	3.86	43	479775	2.280	ppbv	91
19) Isopropyl Alcohol	3.98	45	588461m	5.047	ppbv	
20) Methylene Chloride	4.36	84	454615	6.695	ppbv	96
26) Hexane	5.70	57	117700	0.705	ppbv #	42
29) Chloroform	5.76	83	74190m	0.276	ppbv	
44) 2,2,4-Trimethylpentane	7.89	57	122565m	0.212	ppbv	
53) Toluene	9.83	91	213795	0.621	ppbv	98
59) m/p-Xylene	12.99	91	136908m	0.336	ppbv	

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

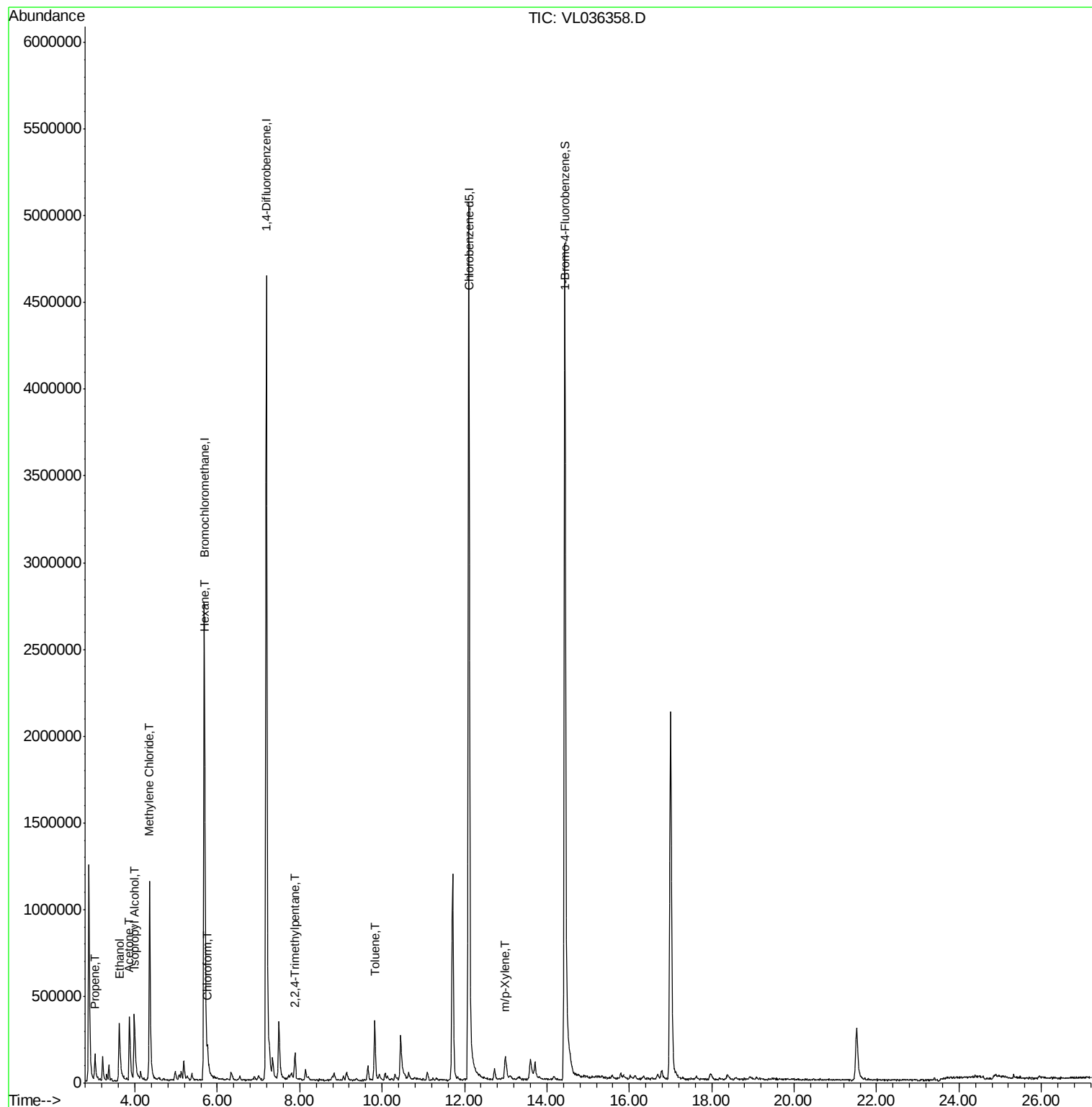
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022421\
Data File : VL036358.D
Acq On : 24 Feb 2021 20:01
Operator : SY/AP
Sample : M1463-05DL 10X
Misc : 400ml/MSVOA L
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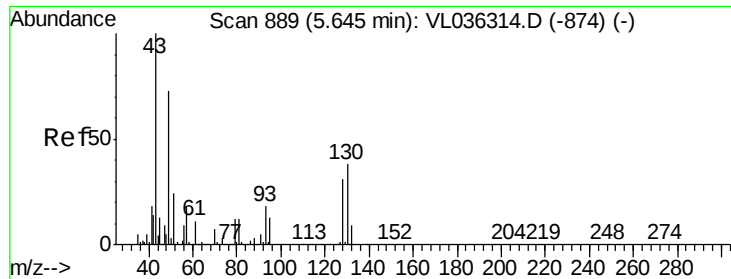
Instrument :
MSVOA_L
ClientSampleId :
NS-14DL

Manual Integrations
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Quant Time: Feb 26 14:11:46 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# 900

Delta R.T. 0.04 min

Lab File: VL036358.D

Acq: 24 Feb 2021 20:01

Instrument :

MSVOA_L

ClientSampled :

NS-14DL

Tot Ion: 49 Resp: 1721833

Ion Ratio Lower Upper

49 100

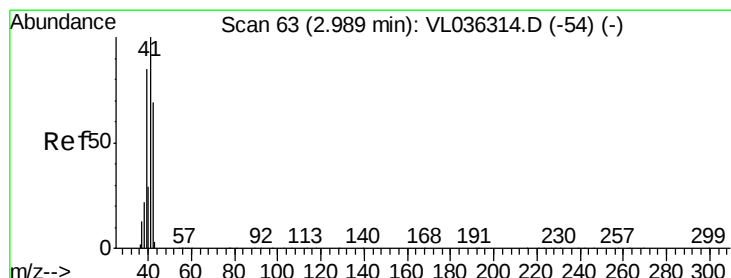
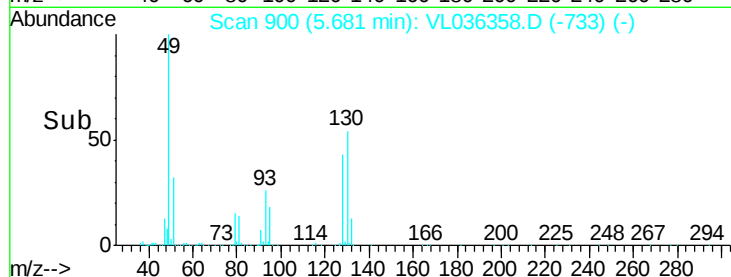
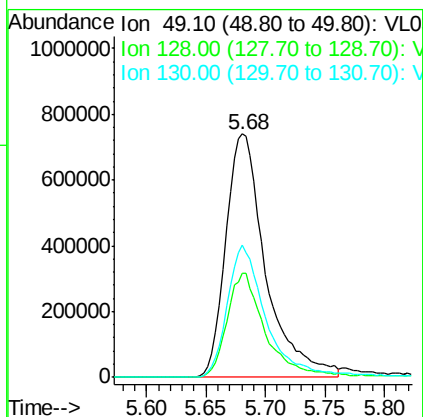
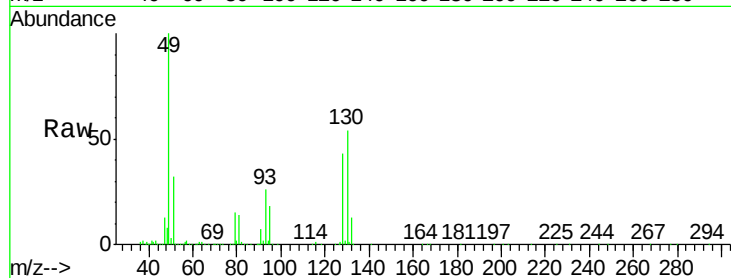
128 42.6 20.8 62.5

130 54.4 26.7 80.1

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#9

Propene

Concen: 0.528 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.04 min

Lab File: VL036358.D

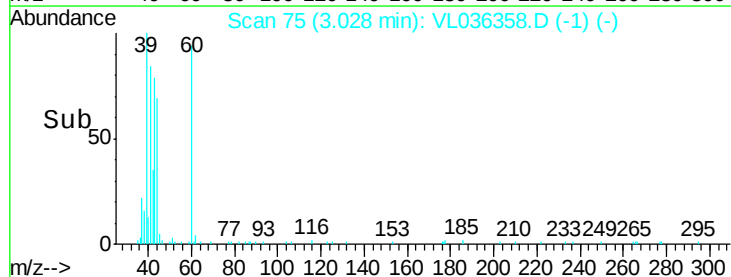
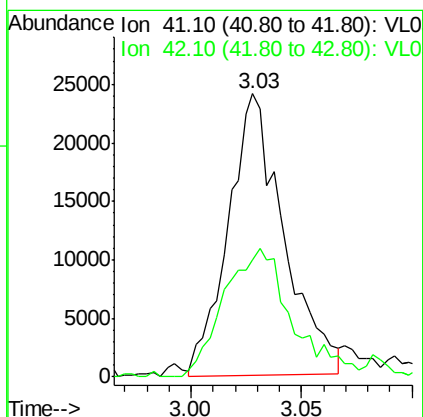
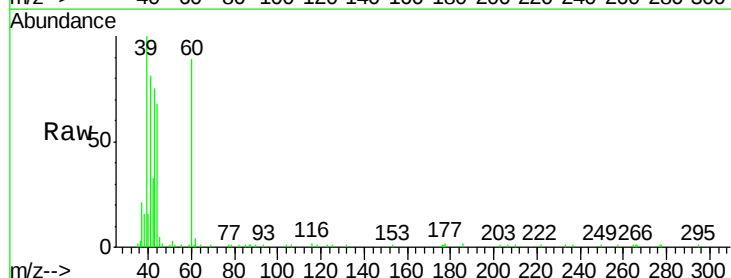
Acq: 24 Feb 2021 20:01

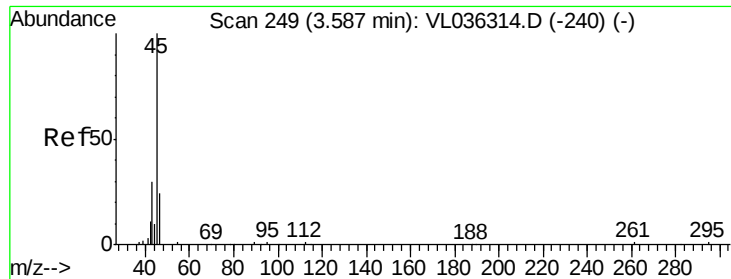
Tgt Ion: 41 Resp: 42091

Ion Ratio Lower Upper

41 100

42 60.6 56.2 84.2





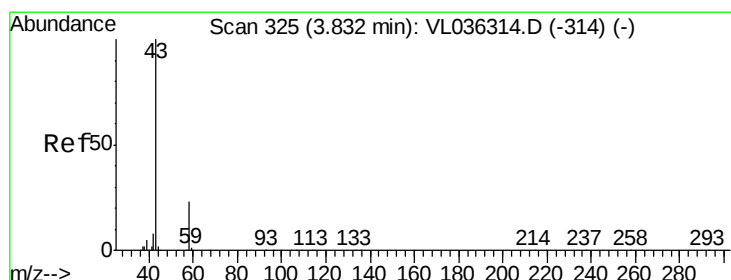
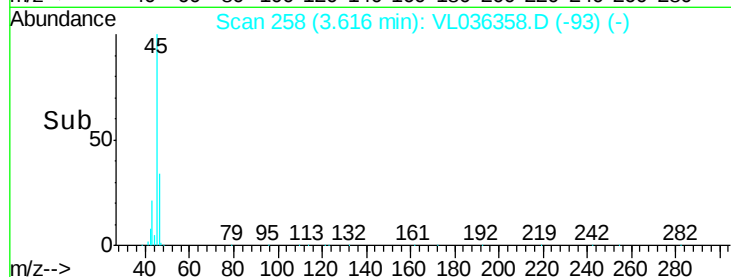
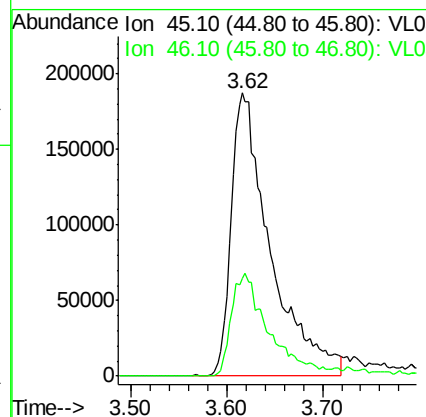
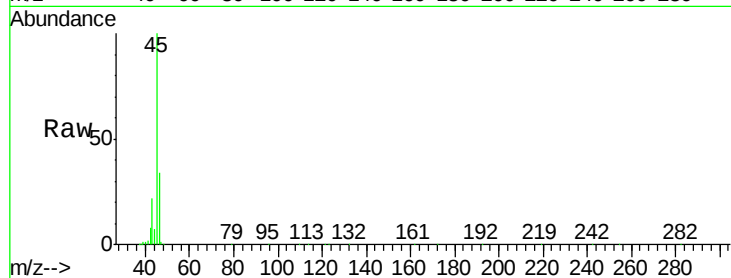
#13
Ethanol
Concen: 35.529 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.03 min
Lab File: VL036358.D
Acq: 24 Feb 2021 20:01

Instrument :
MSVOA_L
ClientSampleId :
NS-14DL

Tot Ion: 45 Resp: 532299
Ion Ratio Lower Upper
45 100
46 37.3 17.7 70.7

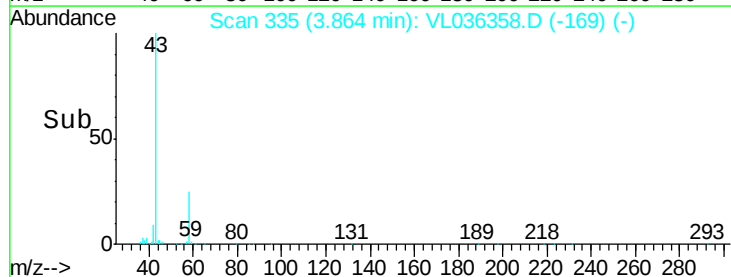
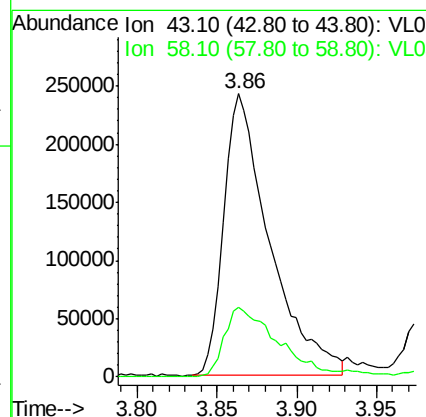
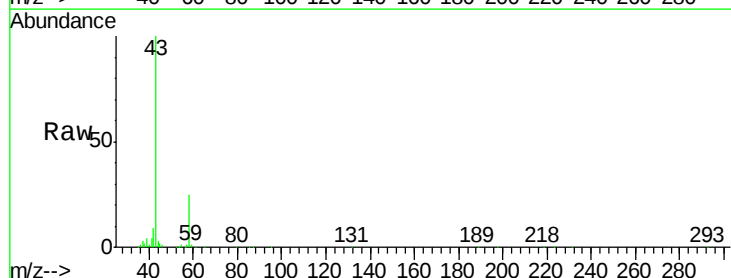
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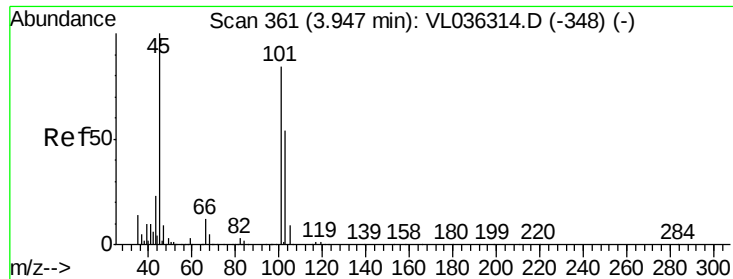
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#15
Acetone
Concen: 2.280 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.03 min
Lab File: VL036358.D
Acq: 24 Feb 2021 20:01

Tgt Ion: 43 Resp: 479775
Ion Ratio Lower Upper
43 100
58 29.8 20.3 30.5





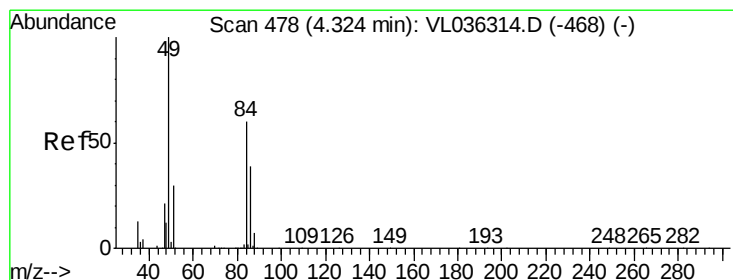
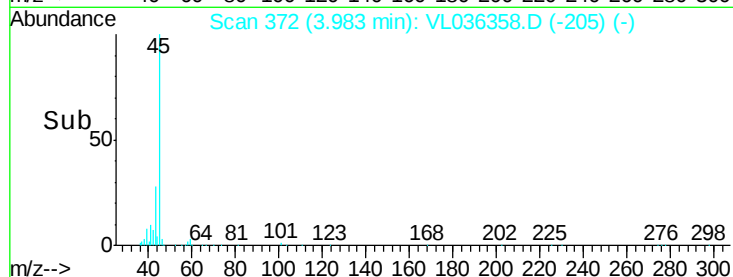
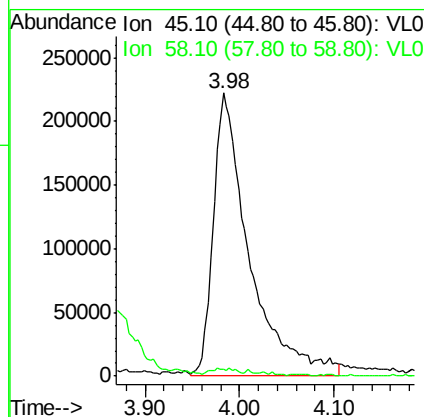
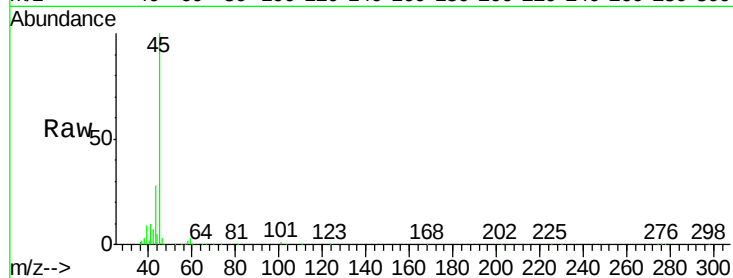
#19
Isopropyl Alcohol
Concen: 5.047 ppbv
RT: 3.98 min Scan# 372
Delta R.T. 0.04 min
Lab File: VL036358.D
Acq: 24 Feb 2021 20:01

Instrument :
MSVOA_L
ClientSampleID :
NS-14DL

Tot Ion: 45 Resp: 588461
Ion Ratio Lower Upper
45 100
58 3.0 1.9 2.9#

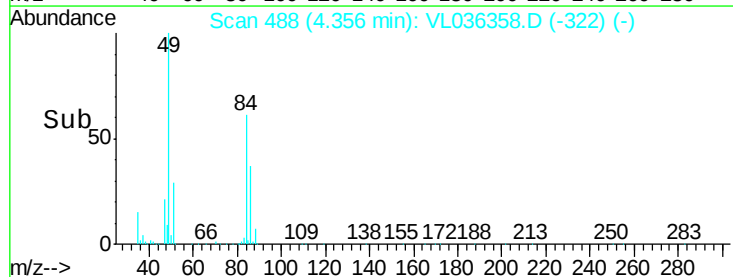
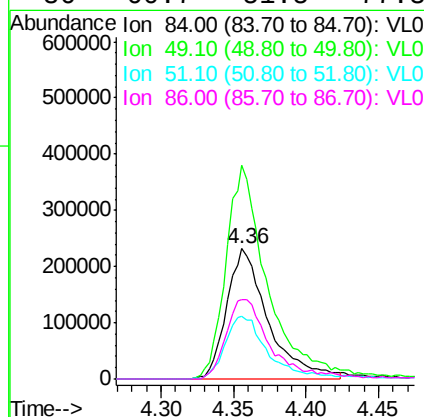
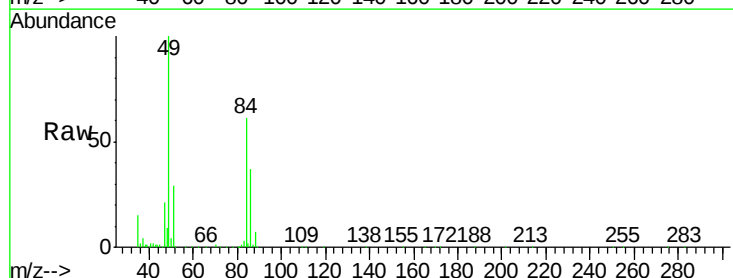
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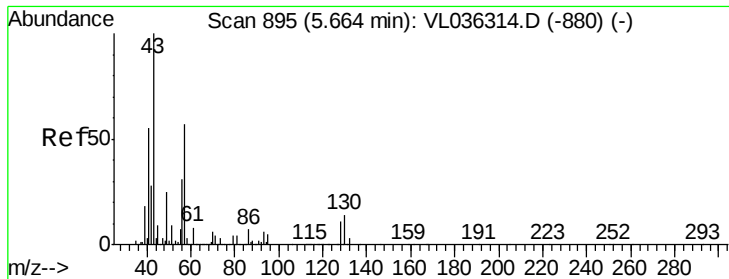
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#20
Methylene Chloride
Concen: 6.695 ppbv
RT: 4.36 min Scan# 488
Delta R.T. 0.03 min
Lab File: VL036358.D
Acq: 24 Feb 2021 20:01

Tgt Ion: 84 Resp: 454615
Ion Ratio Lower Upper
84 100
49 163.8 133.8 200.8
51 47.8 41.4 62.0
86 60.7 51.5 77.3





#26

Hexane

Concen: 0.705 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.04 min

Lab File: VL036358.D

Acq: 24 Feb 2021 20:01

Instrument :

MSVOA_L

ClientSampled :

NS-14DL

Tot Ion: 57 Resp: 117700

Ion Ratio Lower Upper

57 100

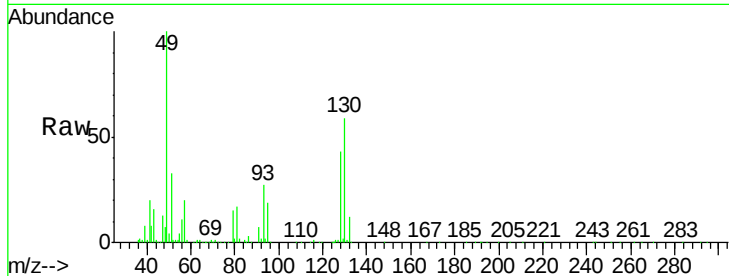
41 108.4 81.7 122.5

43 91.7 199.1 298.7#

56 60.7 44.0 66.0

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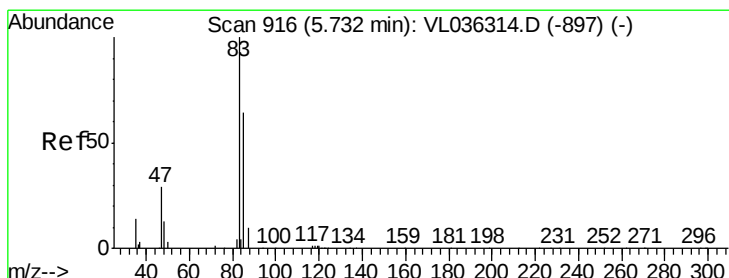
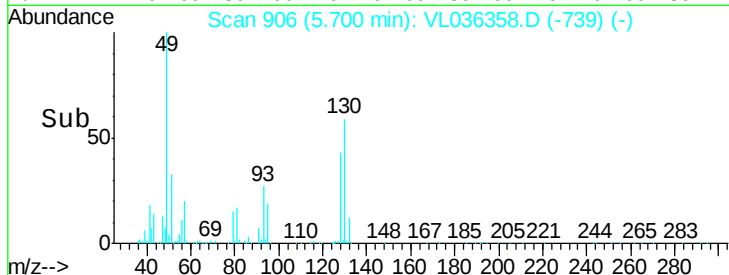
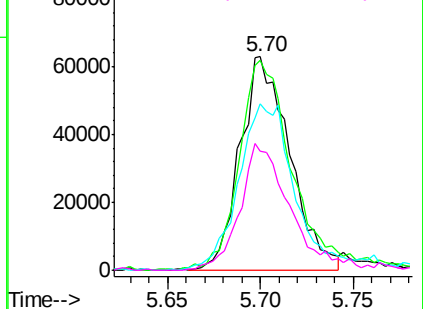


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 0.276 ppbv m

RT: 5.76 min Scan# 925

Delta R.T. 0.03 min

Lab File: VL036358.D

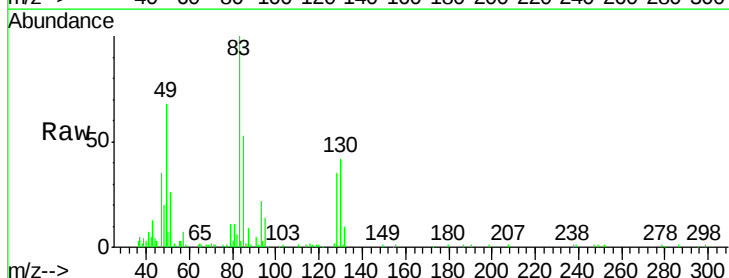
Acq: 24 Feb 2021 20:01

Tgt Ion: 83 Resp: 74190

Ion Ratio Lower Upper

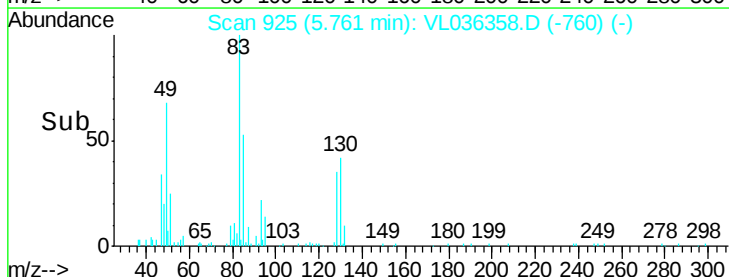
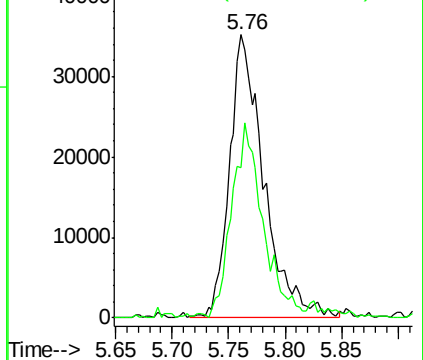
83 100

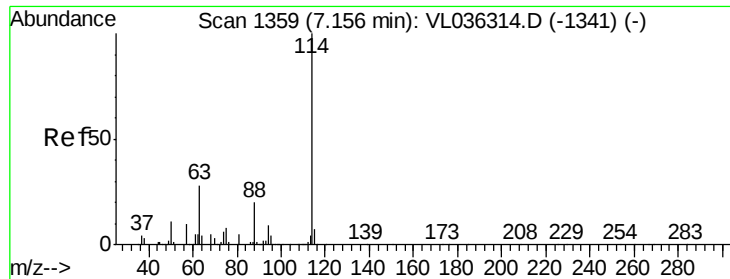
85 53.2 51.4 77.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





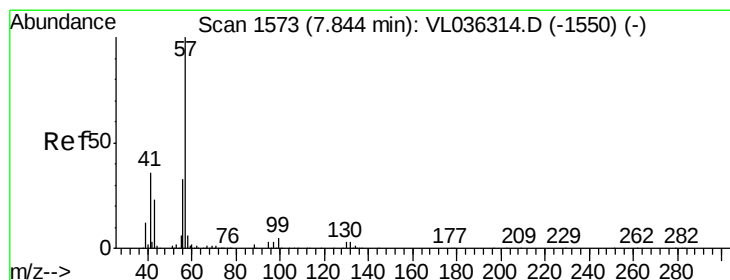
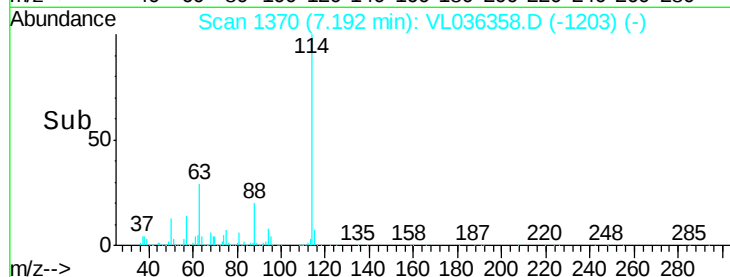
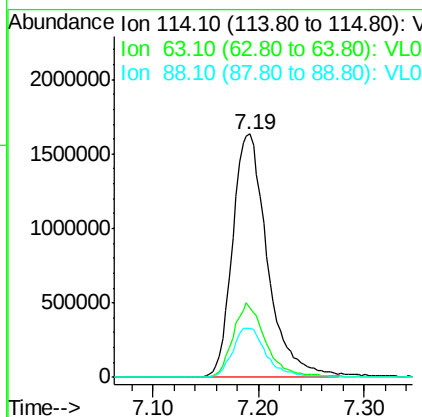
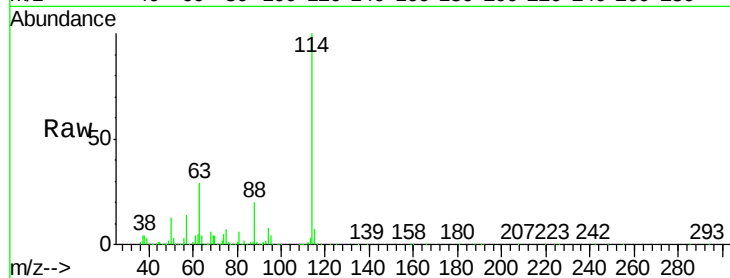
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.04 min
 Lab File: VL036358.D
 Acq: 24 Feb 2021 20:01

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-14DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.0	24.1	36.1
88	19.8	16.0	24.0

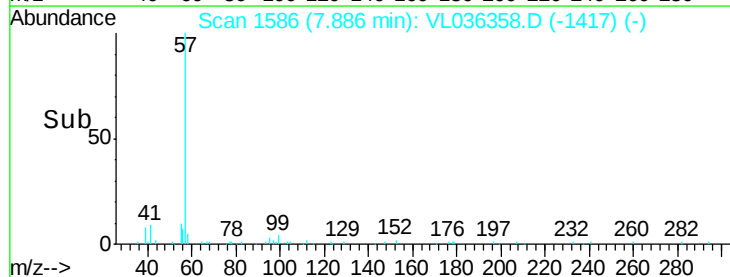
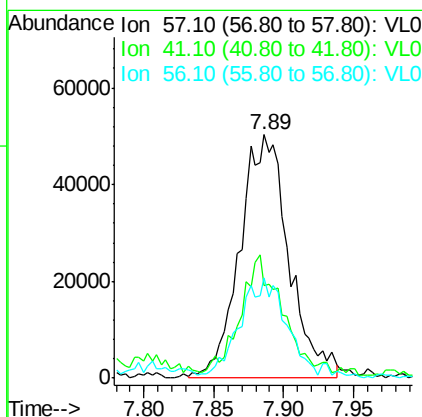
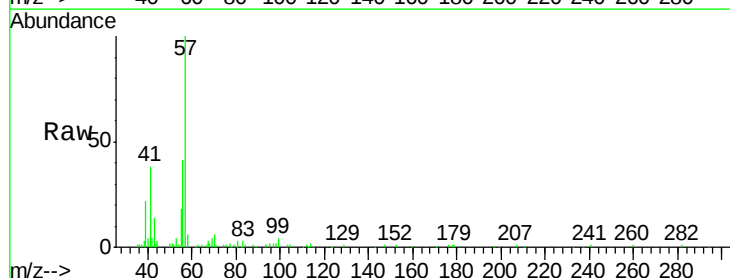
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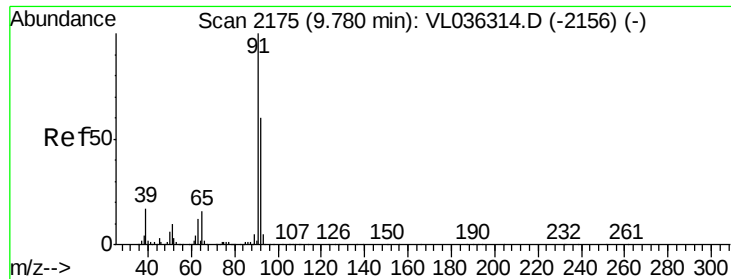
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#44
 2,2,4-Trimethylpentane
 Concen: 0.212 ppbv m
 RT: 7.89 min Scan# 1586
 Delta R.T. 0.04 min
 Lab File: VL036358.D
 Acq: 24 Feb 2021 20:01

Tgt Ion	Ratio	Lower	Upper
57	100		
41	43.5	28.8	43.2#
56	41.4	25.8	38.6#





#53

Toluene

Concen: 0.621 ppbv

RT: 9.83 min Scan# 2189

Delta R.T. 0.05 min

Lab File: VL036358.D

Acq: 24 Feb 2021 20:01

Instrument :

MSVOA_L

ClientSampleId :

NS-14DL

Tot Ion: 91 Resp: 213795

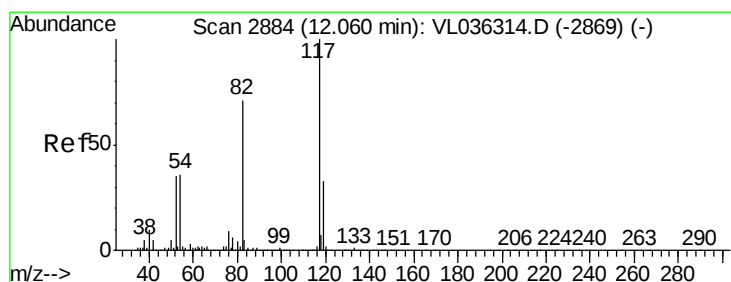
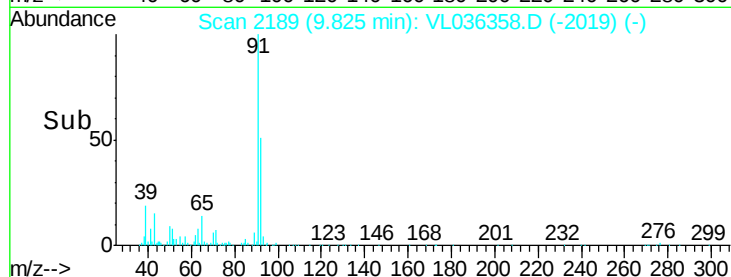
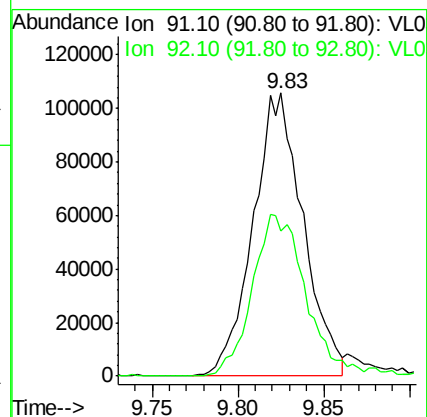
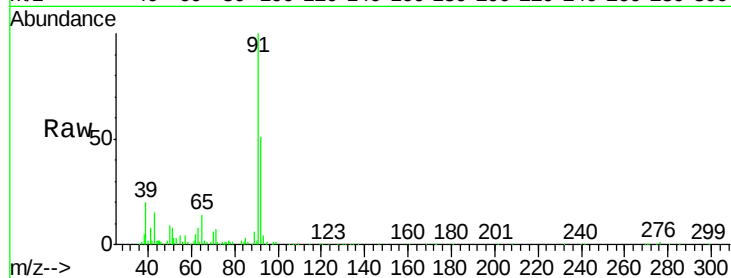
Ion Ratio Lower Upper

91 100

92 62.0 48.6 72.8

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.04 min

Lab File: VL036358.D

Acq: 24 Feb 2021 20:01

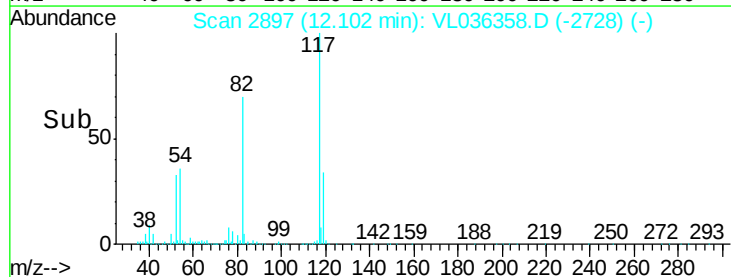
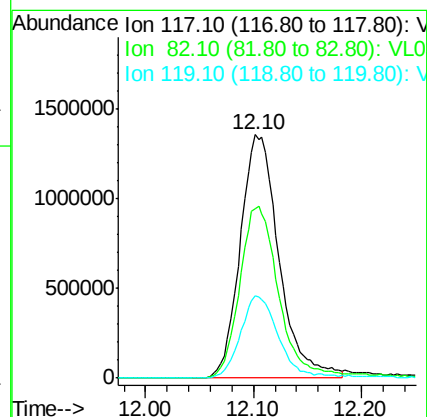
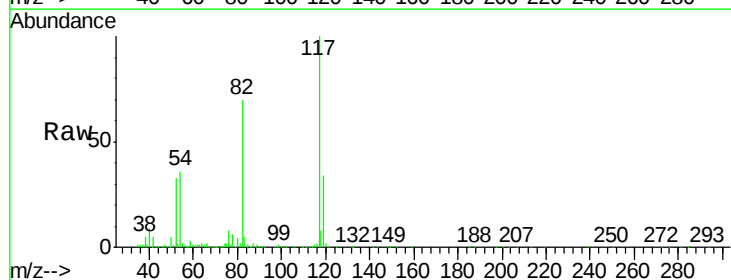
Tgt Ion: 117 Resp: 3388904

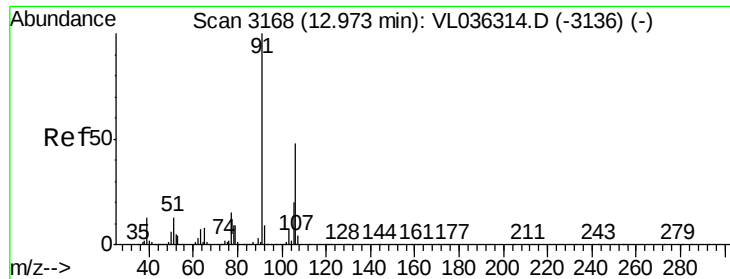
Ion Ratio Lower Upper

117 100

82 73.8 59.1 88.7

119 34.7 46.3 69.5#





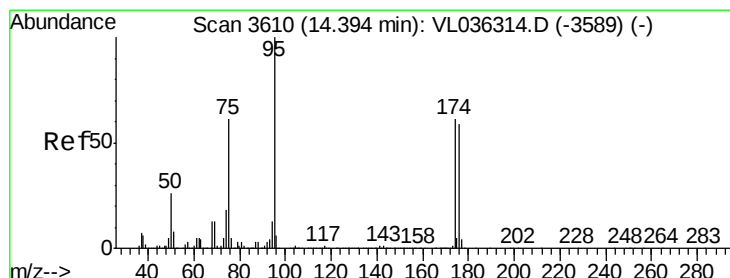
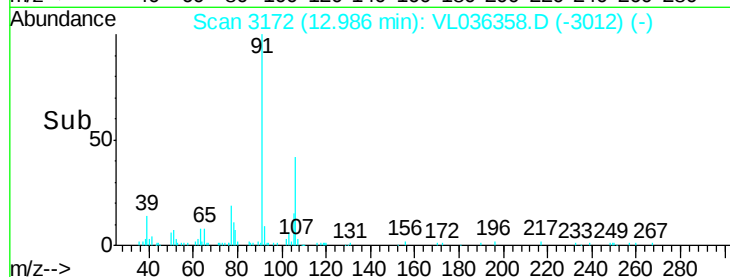
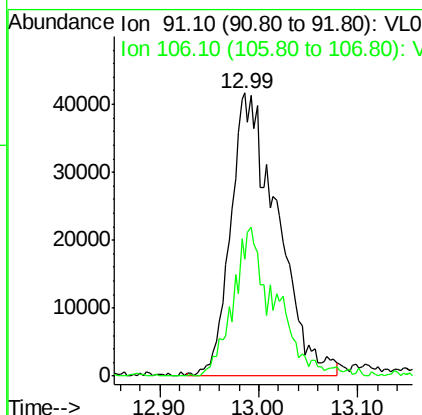
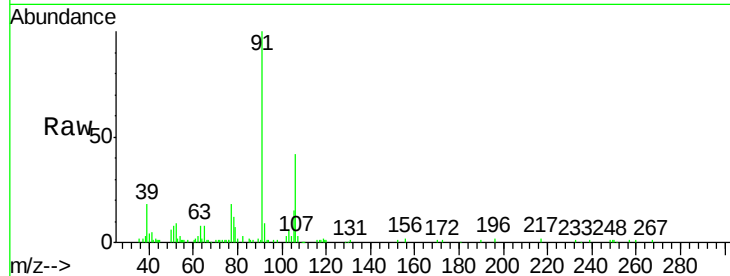
#59
m/p-Xylene
Concen: 0.336 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. 0.01 min
Lab File: VL036358.D
Acq: 24 Feb 2021 20:01

Instrument :
MSVOA_L
ClientSampleId :
NS-14DL

Tot Ion: 91 Resp: 136908
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.323 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. 0.04 min
Lab File: VL036358.D
Acq: 24 Feb 2021 20:01

Tgt Ion: 95 Resp: 2599460
Ion Ratio Lower Upper
95 100
174 67.9 49.8 74.6
175 5.0 3.7 5.5

