

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036362.D
 Acq On : 24 Feb 2021 22:40
 Operator : SY/AP
 Sample : M1463-07DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-1DL

Manual Integrations
 APPROVED

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 2/26/2021 4:17:39 PM

Quant Time: Feb 26 14:18:15 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	1600023	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	3661867	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3331140	10.00	ppbv	0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2548257	9.30	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	64928	0.876	ppbv	88
13) Ethanol	3.61	45	522579m	37.536	ppbv	
15) Acetone	3.86	43	674868	3.451	ppbv	96
19) Isopropyl Alcohol	3.99	45	463675m	4.279	ppbv	
20) Methylene Chloride	4.36	84	388723	6.160	ppbv	95
26) Hexane	5.70	57	131836m	0.850	ppbv	
29) Chloroform	5.76	83	299631	1.199	ppbv	99
44) 2,2,4-Trimethylpentane	7.89	57	106010m	0.187	ppbv	
53) Toluene	9.83	91	147412	0.438	ppbv	96
59) m/p-Xylene	13.00	91	78099m	0.195	ppbv	

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

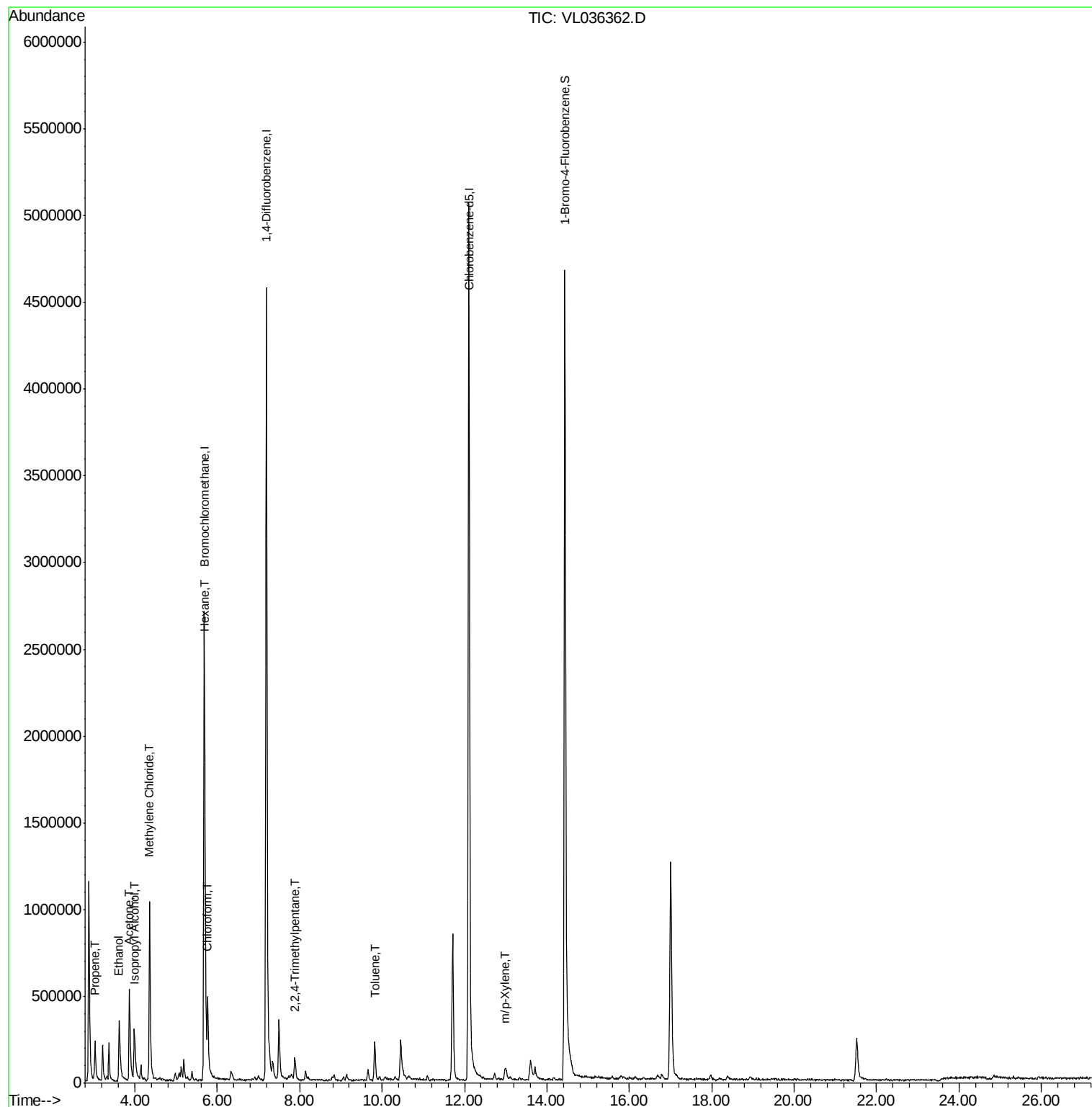
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022421\
Data File : VL036362.D
Acq On : 24 Feb 2021 22:40
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Misc : 400ml/MSVOA L
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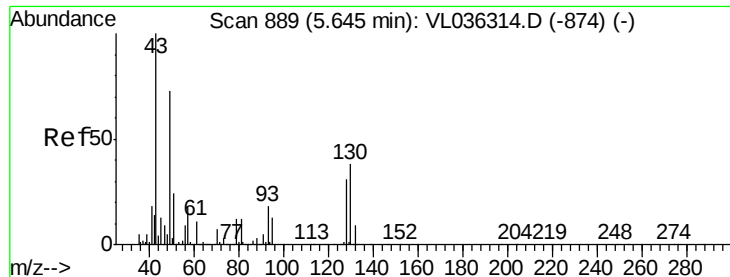
Instrument :
MSVOA_L
ClientSampleId :
NS-1DL

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Quant Time: Feb 26 14:18:15 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: VL036362.D

Acq: 24 Feb 2021 22:40

Instrument :

MSVOA_L

ClientSampled :

NS-1DL

Tot Ion: 49 Resp: 1600023

Ion Ratio Lower Upper

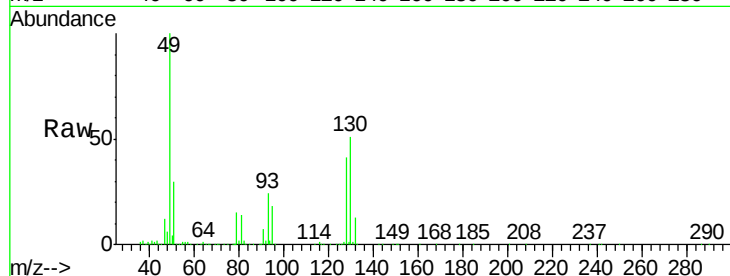
49 100

128 44.2 20.8 62.5

130 57.1 26.7 80.1

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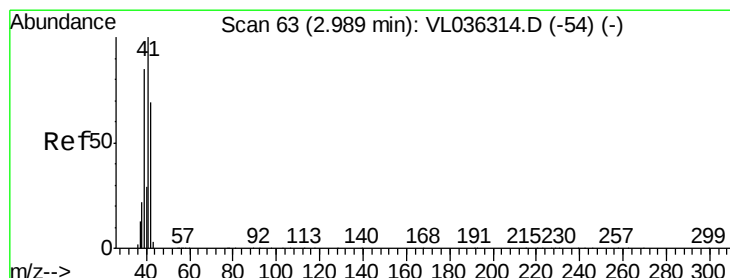
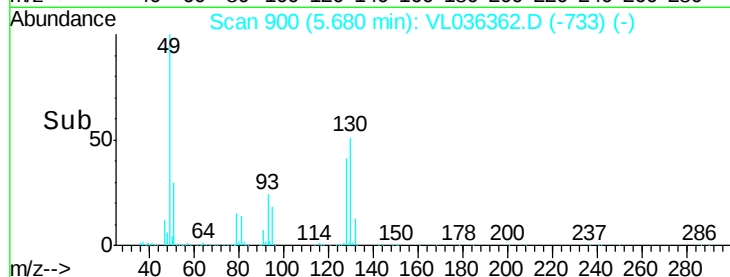
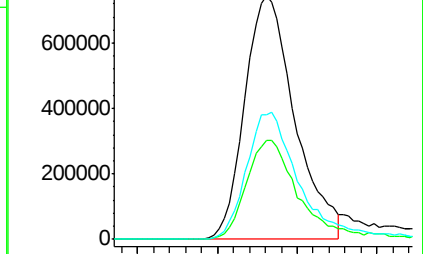
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.876 ppbv

RT: 3.03 min Scan# 76

Delta R.T. 0.04 min

Lab File: VL036362.D

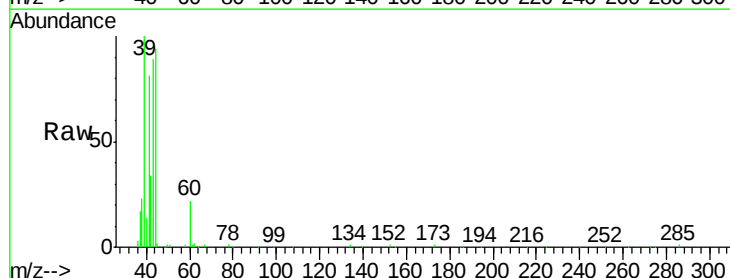
Acq: 24 Feb 2021 22:40

Tgt Ion: 41 Resp: 64928

Ion Ratio Lower Upper

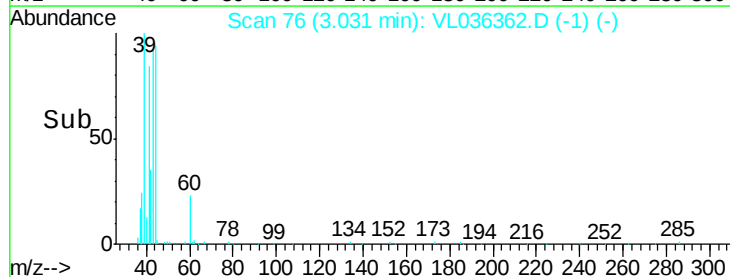
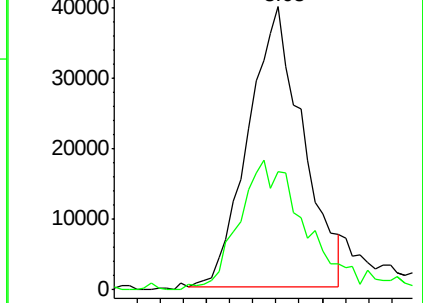
41 100

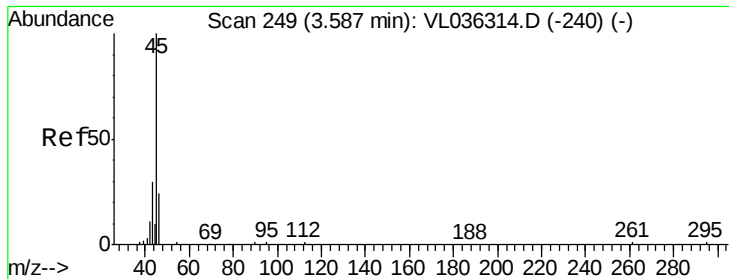
42 60.0 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





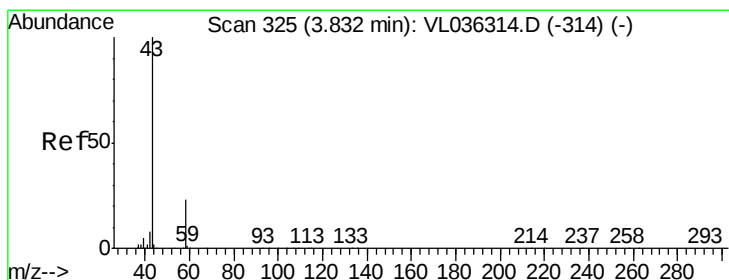
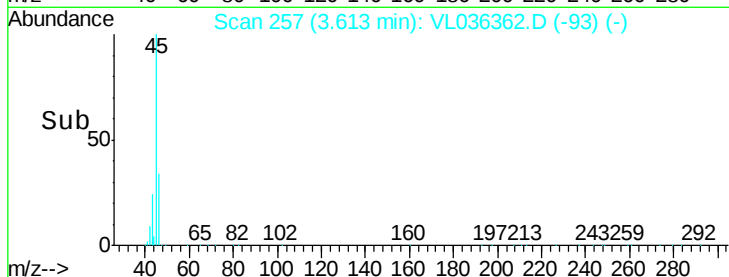
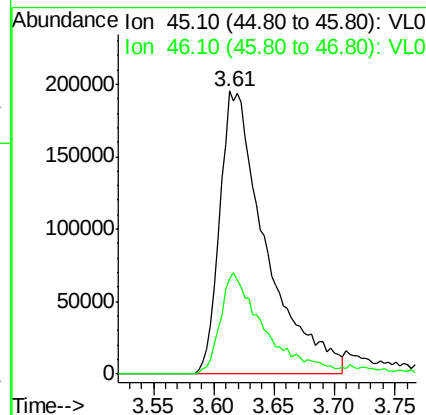
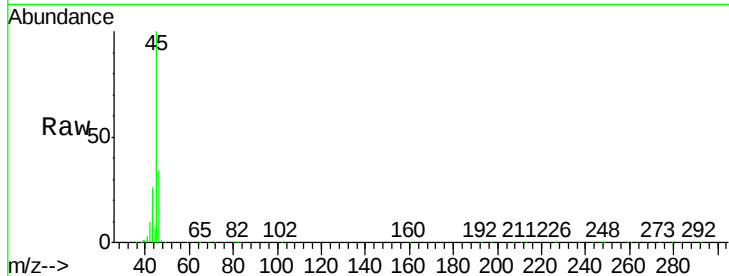
#13
Ethanol
Concen: 37.536 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.03 min
Lab File: VL036362.D
Acq: 24 Feb 2021 22:40

Instrument :
MSVOA_L
ClientSampleId :
NS-1DL

Tot Ion: 45 Resp: 522579
Ion Ratio Lower Upper
45 100
46 0.0 17.7 70.7#

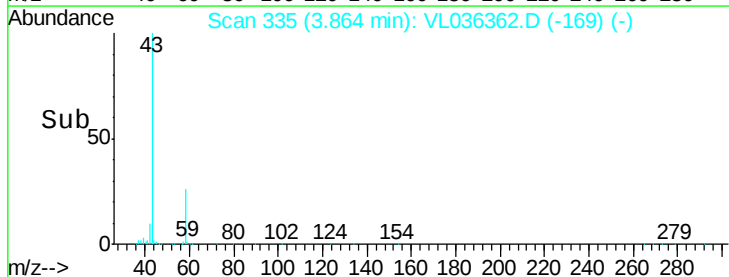
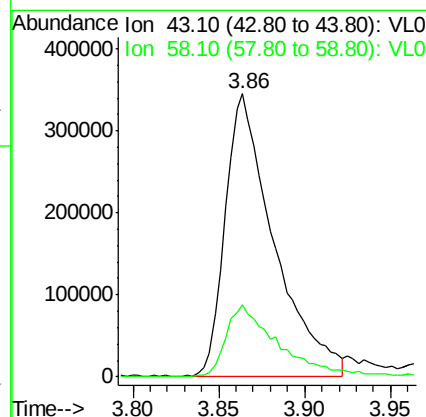
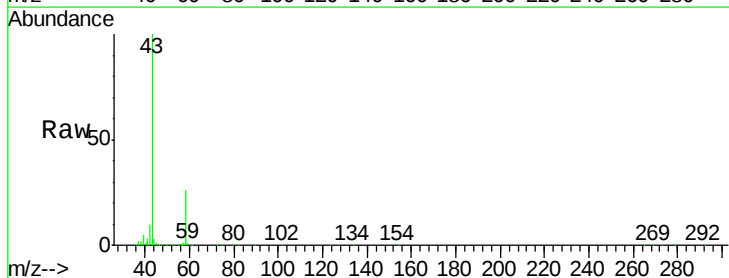
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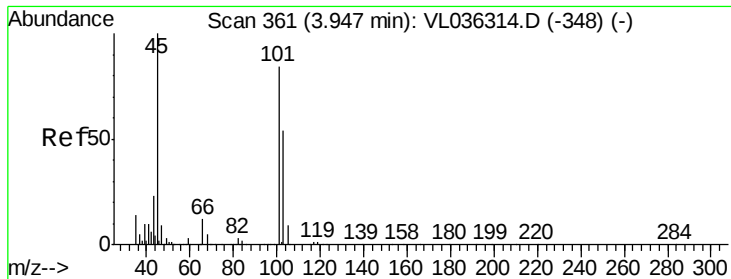
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#15
Acetone
Concen: 3.451 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.03 min
Lab File: VL036362.D
Acq: 24 Feb 2021 22:40

Tgt Ion: 43 Resp: 674868
Ion Ratio Lower Upper
43 100
58 27.6 20.3 30.5





#19

Isopropyl Alcohol

Concen: 4.279 ppbv m

RT: 3.99 min Scan# 373

Delta R.T. 0.04 min

Lab File: VL036362.D

Acq: 24 Feb 2021 22:40

Tot Ion: 45 Resp: 463675

Ion Ratio Lower Upper

45 100

58 2.8 1.9 2.9

Instrument :

MSVOA_L

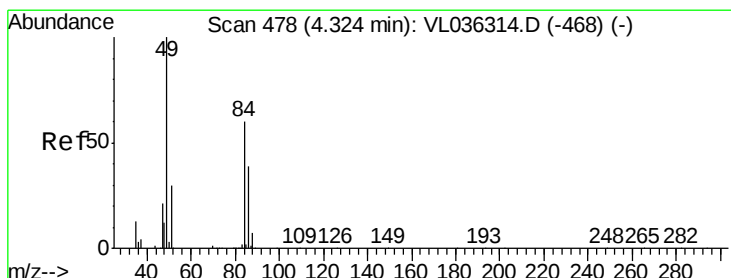
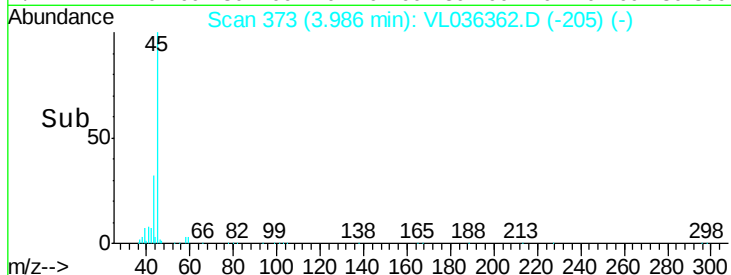
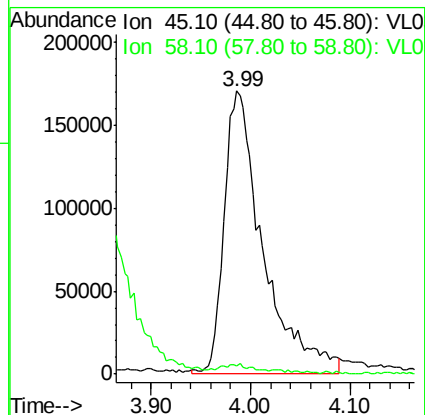
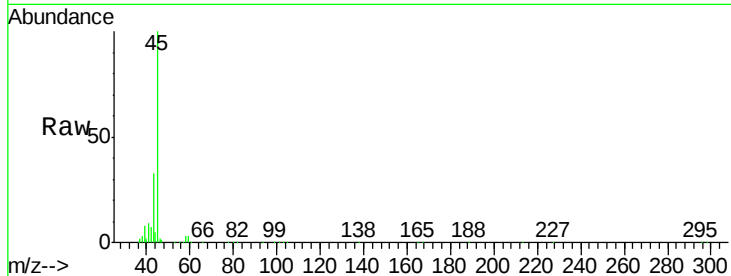
ClientSampleId :

NS-1DL

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#20

Methylene Chloride

Concen: 6.160 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL036362.D

Acq: 24 Feb 2021 22:40

Tgt Ion: 84 Resp: 388723

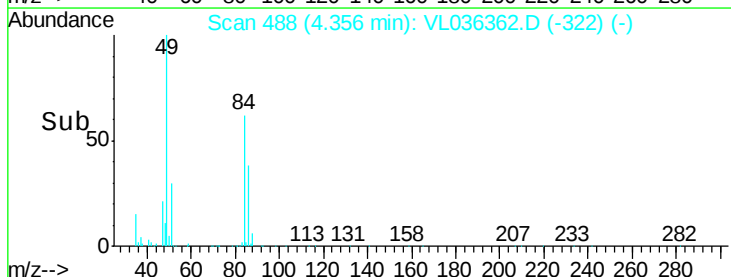
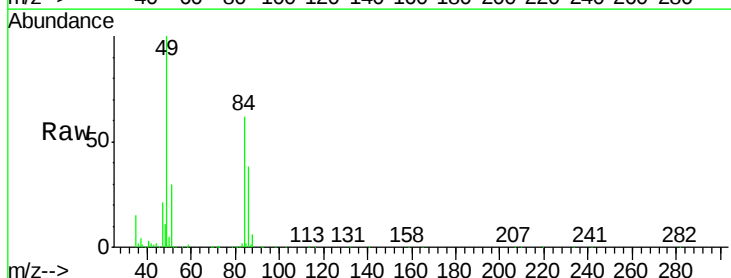
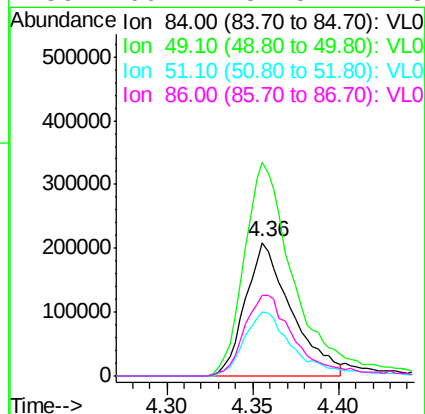
Ion Ratio Lower Upper

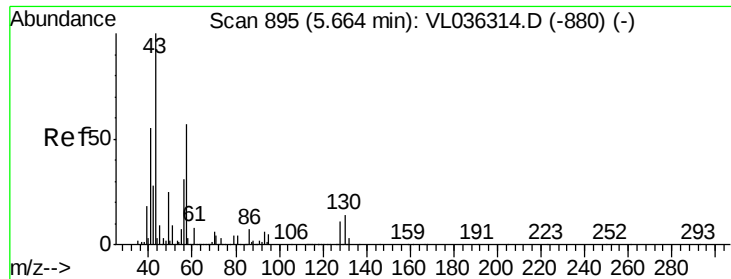
84 100

49 160.2 133.8 200.8

51 47.9 41.4 62.0

86 60.4 51.5 77.3





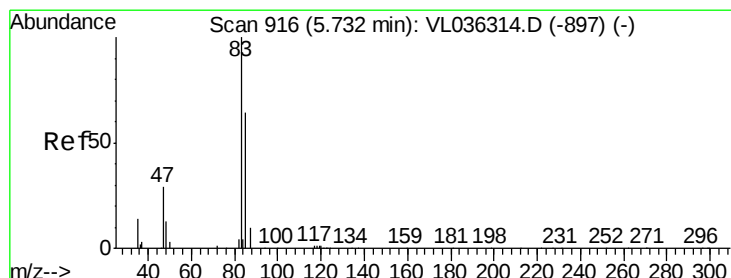
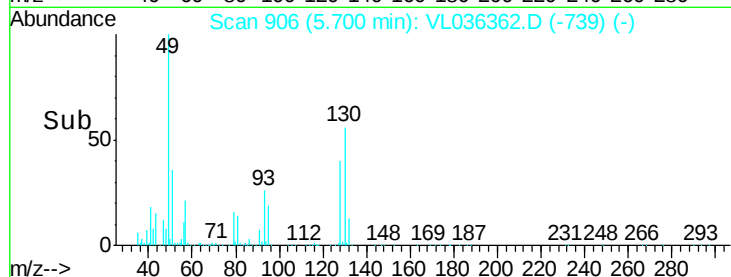
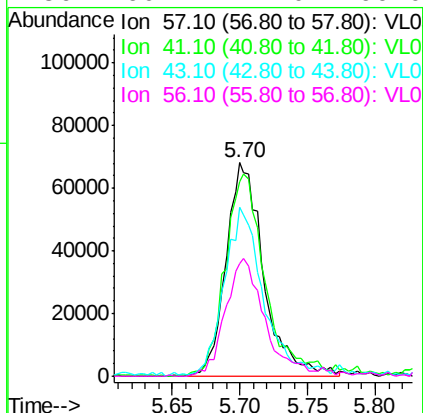
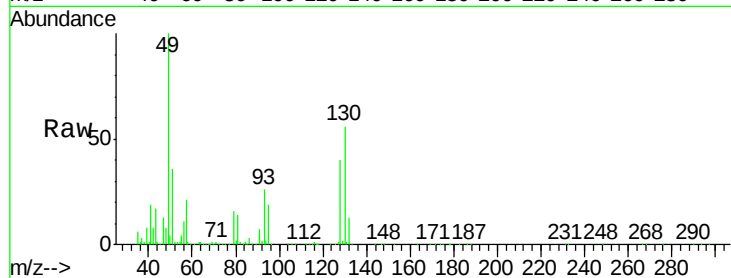
#26
Hexane
Concen: 0.850 ppbv m
RT: 5.70 min Scan# 906
Delta R.T. 0.04 min
Lab File: VL036362.D
Acq: 24 Feb 2021 22:40

Instrument :
MSVOA_L
ClientSampleId :
NS-1DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	100.9	81.7	122.5
43	87.7	199.1	298.7#
56	60.1	44.0	66.0

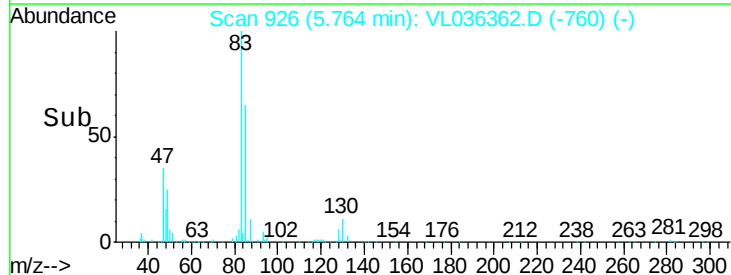
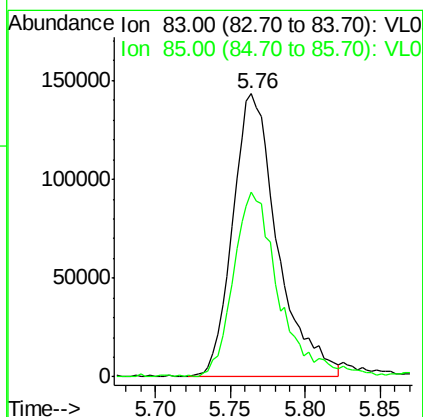
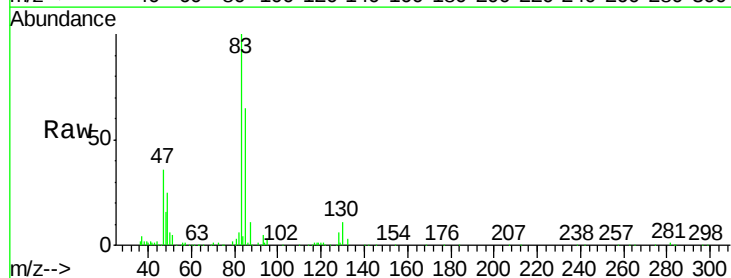
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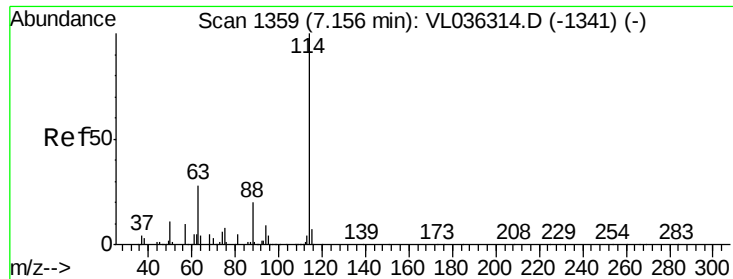
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#29
Chloroform
Concen: 1.199 ppbv
RT: 5.76 min Scan# 926
Delta R.T. 0.03 min
Lab File: VL036362.D
Acq: 24 Feb 2021 22:40

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.0	51.4	77.2





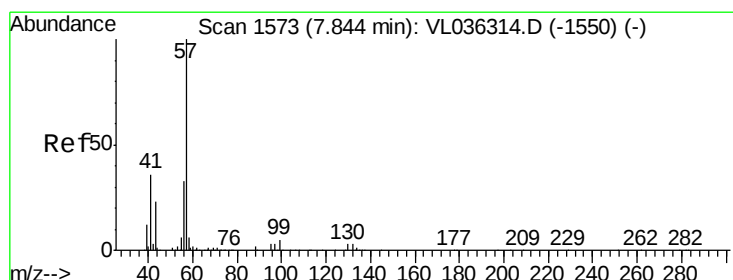
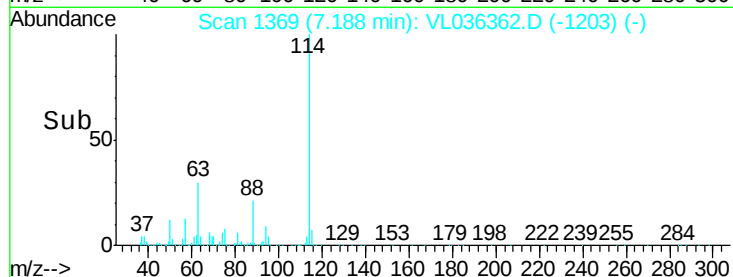
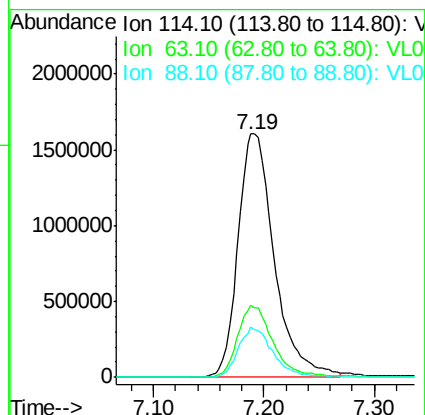
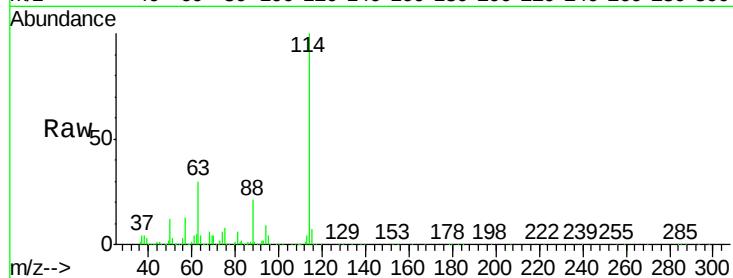
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.03 min
 Lab File: VL036362.D
 Acq: 24 Feb 2021 22:40

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-1DL

Tot Ion:114 Resp: 3661867
 Ion Ratio Lower Upper
 114 100
 63 29.5 24.1 36.1
 88 19.9 16.0 24.0

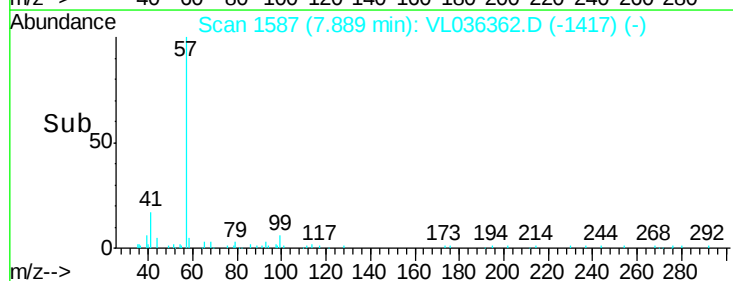
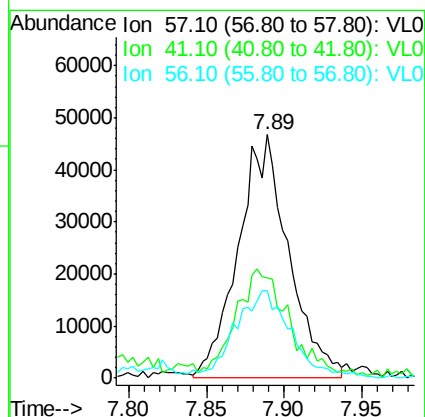
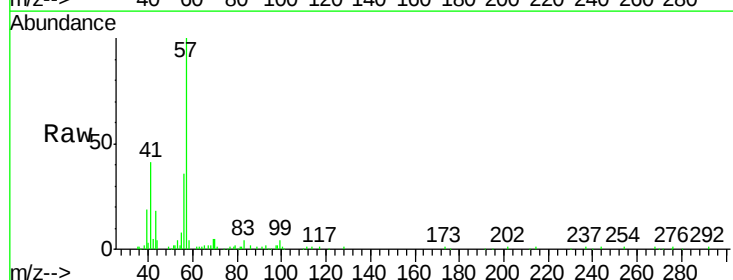
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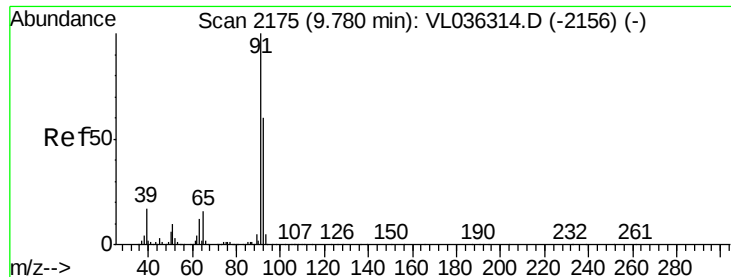
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#44
 2,2,4-Trimethylpentane
 Concen: 0.187 ppbv m
 RT: 7.89 min Scan# 1587
 Delta R.T. 0.05 min
 Lab File: VL036362.D
 Acq: 24 Feb 2021 22:40

Tgt Ion: 57 Resp: 106010
 Ion Ratio Lower Upper
 57 100
 41 47.3 28.8 43.2#
 56 40.4 25.8 38.6#





#53

Toluene

Concen: 0.438 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.05 min

Lab File: VL036362.D

Acq: 24 Feb 2021 22:40

Instrument :

MSVOA_L

ClientSampleId :

NS-1DL

Tot Ion: 91 Resp: 147412

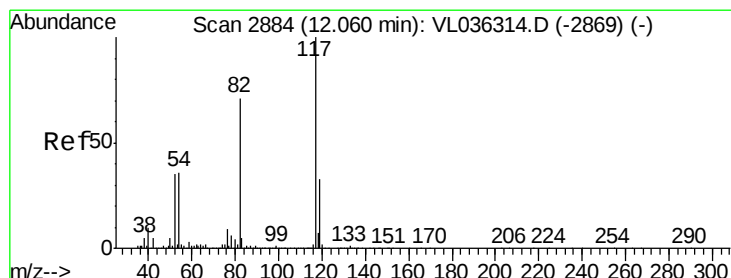
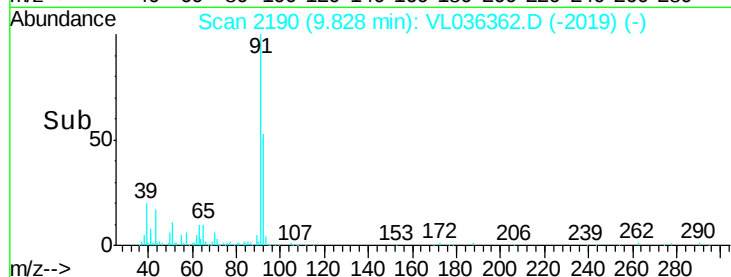
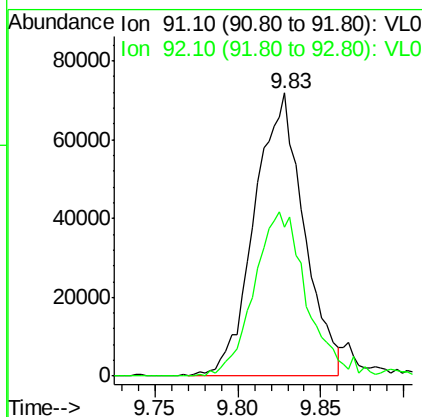
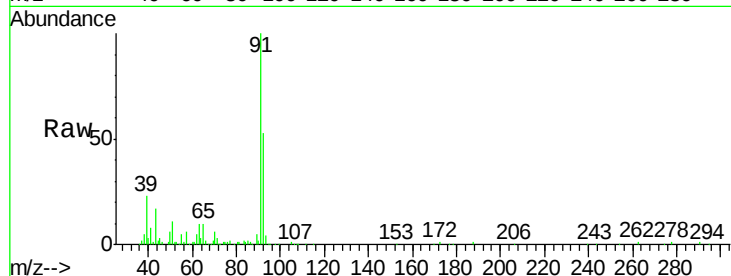
Ion Ratio Lower Upper

91 100

92 64.1 48.6 72.8

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. 0.04 min

Lab File: VL036362.D

Acq: 24 Feb 2021 22:40

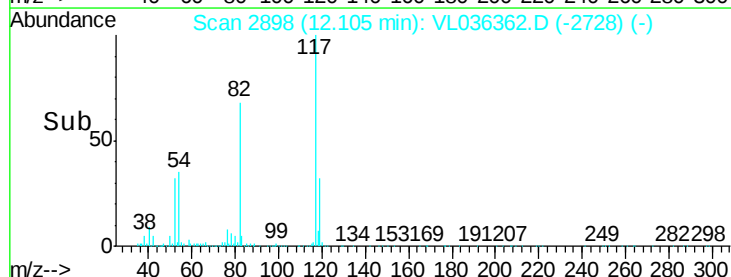
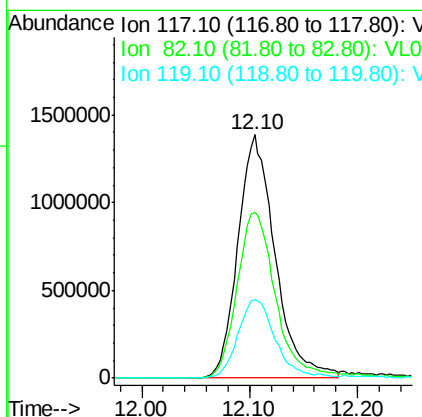
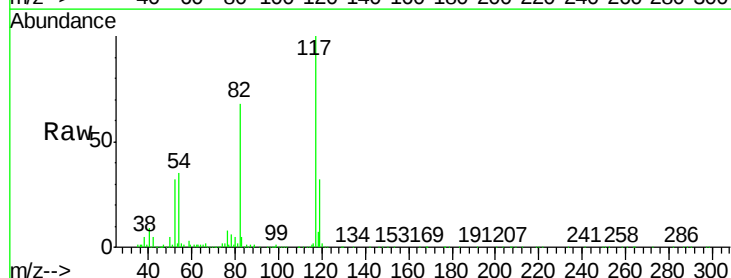
Tgt Ion: 117 Resp: 3331140

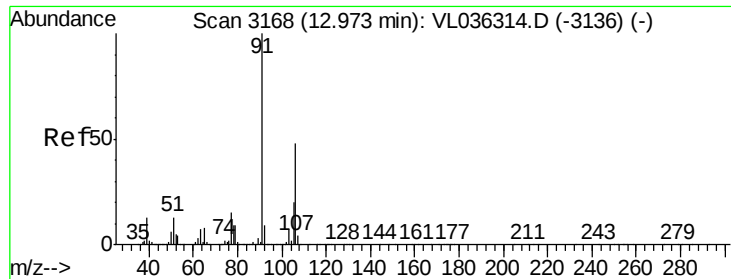
Ion Ratio Lower Upper

117 100

82 72.6 59.1 88.7

119 34.0 46.3 69.5#





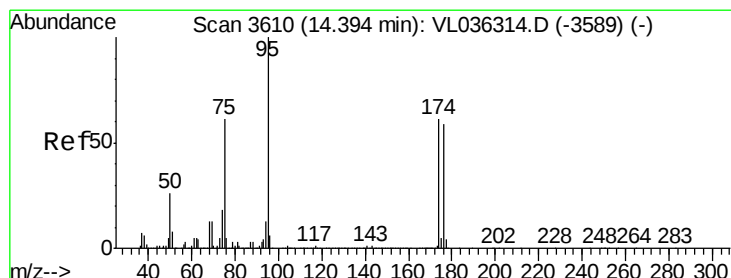
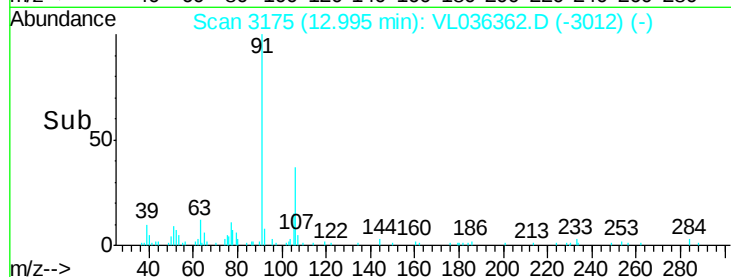
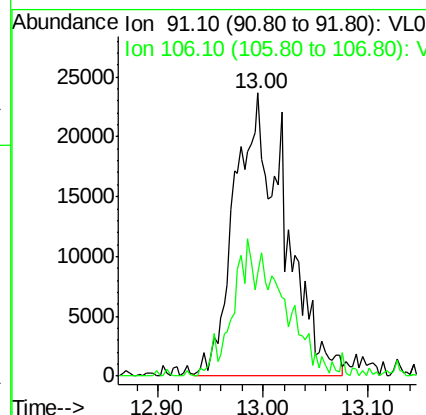
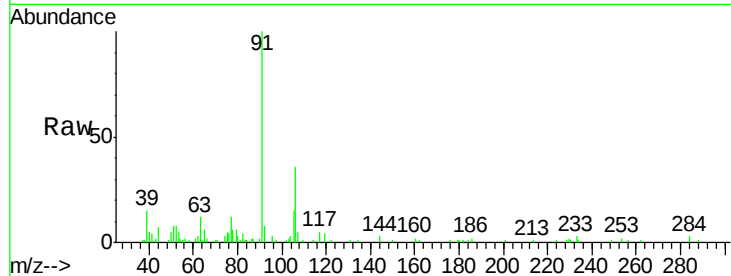
#59
m/p-Xylene
Concen: 0.195 ppbv m
RT: 13.00 min Scan# 3175
Delta R.T. 0.02 min
Lab File: VL036362.D
Acq: 24 Feb 2021 22:40

Instrument :
MSVOA_L
ClientSampled :
NS-1DL

Tot Ion: 91 Resp: 78099
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.298 ppbv
RT: 14.44 min Scan# 3623
Delta R.T. 0.04 min
Lab File: VL036362.D
Acq: 24 Feb 2021 22:40

Tgt Ion: 95 Resp: 2548257
Ion Ratio Lower Upper
95 100
174 68.2 49.8 74.6
175 4.8 3.7 5.5

