

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037081.D
 Acq On : 1 Jun 2021 22:16
 Operator : SY/AP
 Sample : M2548-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

Manual Integrations
 APPROVED

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Quant Time: Jun 06 21:21:31 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1448347	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4362980	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3905374	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2893344	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.62	45	30095m	2.374	ppbv	
15) Acetone	3.86	43	138956m	0.937	ppbv	
20) Methylene Chloride	4.33	84	30624m	0.385	ppbv	
26) Hexane	5.67	57	56190m	0.309	ppbv	
53) Toluene	9.79	91	82272	0.184	ppbv	95

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

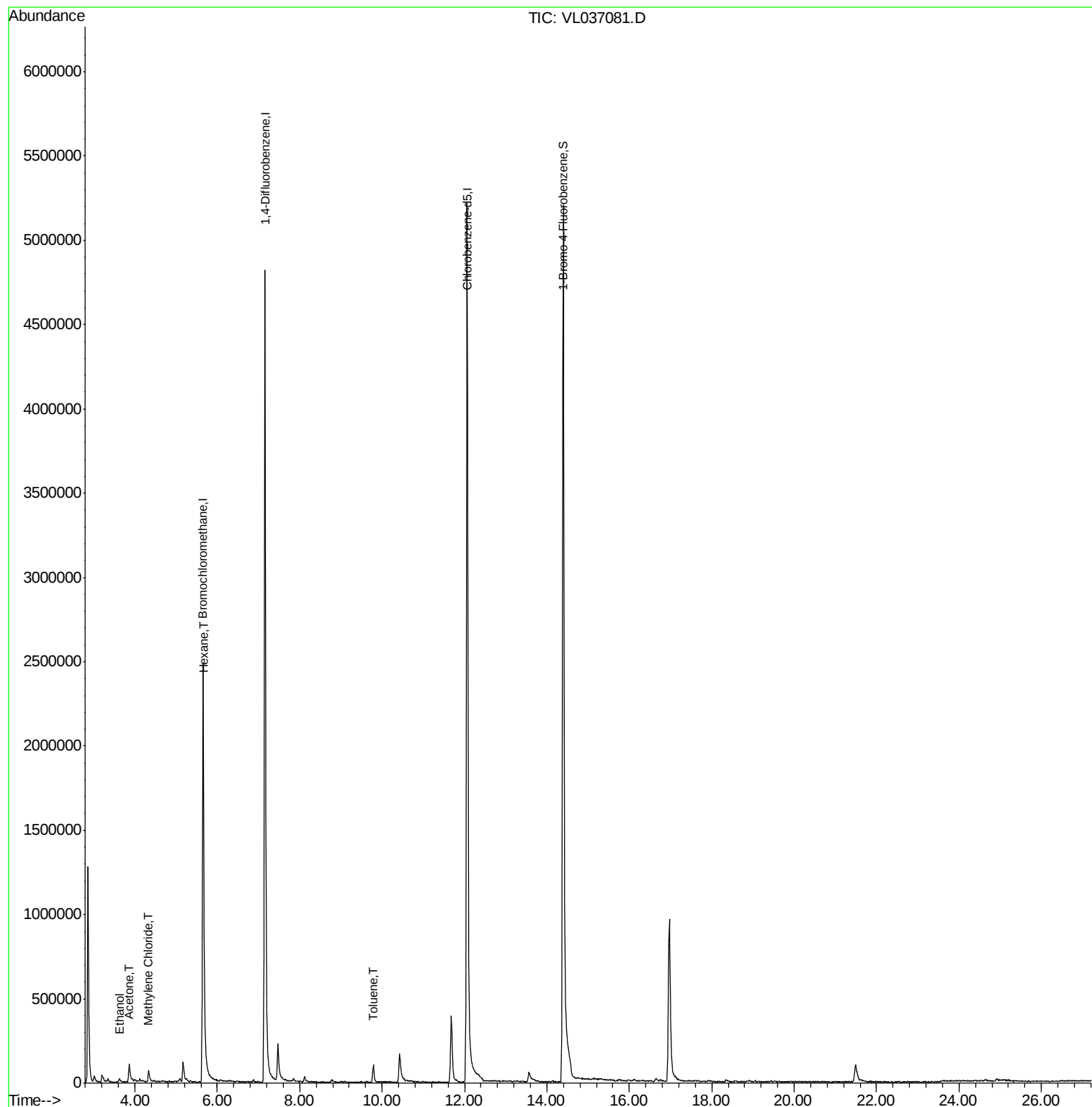
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060121\
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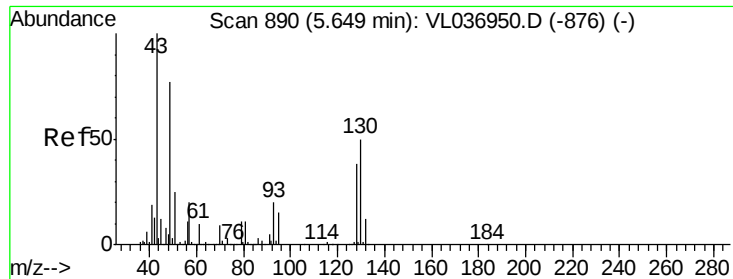
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Jun 06 21:21:31 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037081.D

Acq: 1 Jun 2021 22:16

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

Tot Ion: 49 Resp: 1448347

Ion Ratio Lower Upper

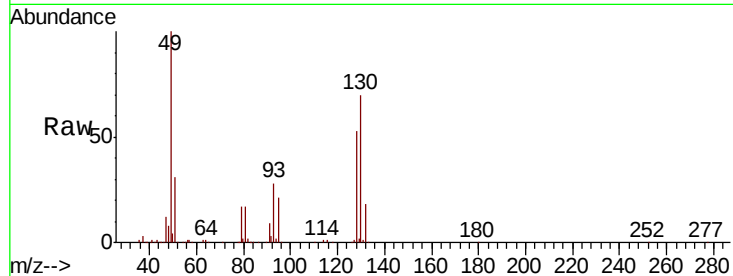
49 100

128 56.8 26.9 80.7

130 74.1 33.8 101.4

Manual Integrations
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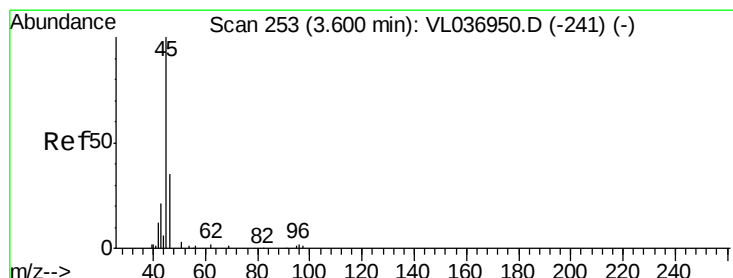
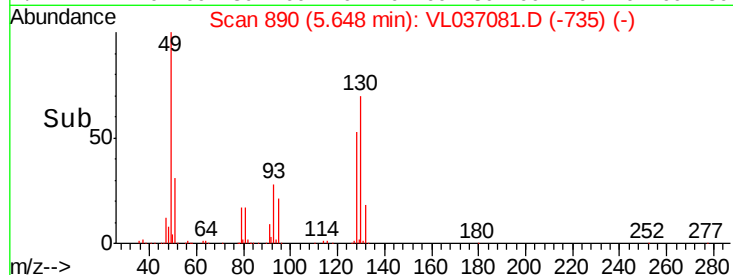
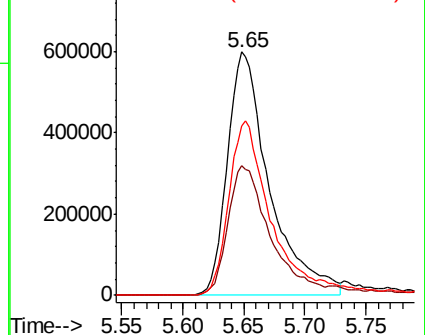
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 2.374 ppbv m

RT: 3.62 min Scan# 258

Delta R.T. 0.02 min

Lab File: VL037081.D

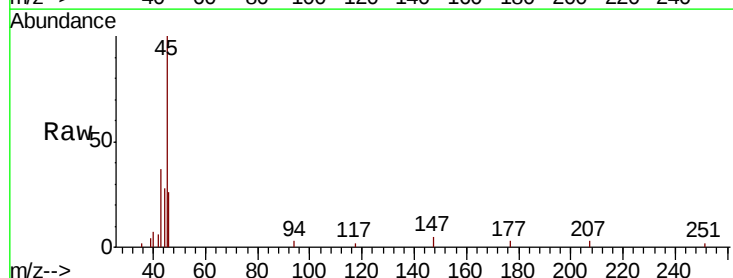
Acq: 1 Jun 2021 22:16

Tgt Ion: 45 Resp: 30095

Ion Ratio Lower Upper

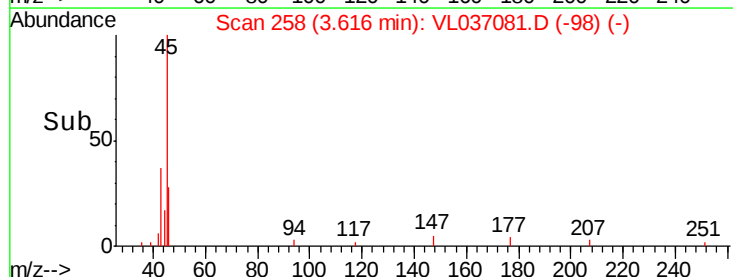
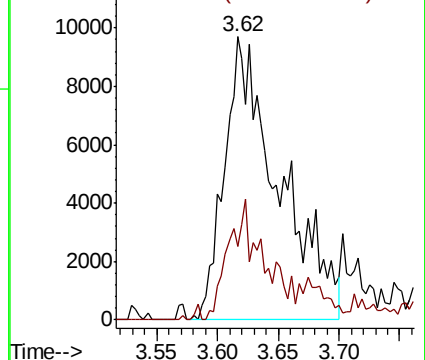
45 100

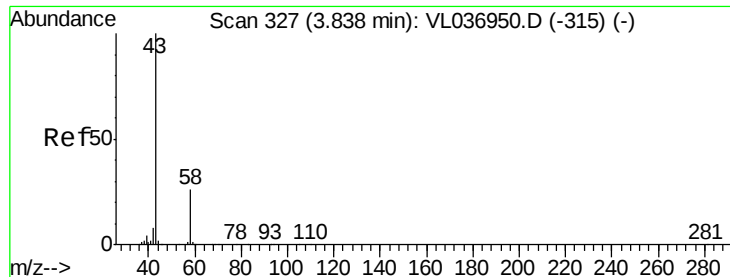
46 0.0 16.3 65.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.937 ppbv m

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL037081.D

Acq: 1 Jun 2021 22:16

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

Tot Ion: 43 Resp: 138956

Ion Ratio Lower Upper

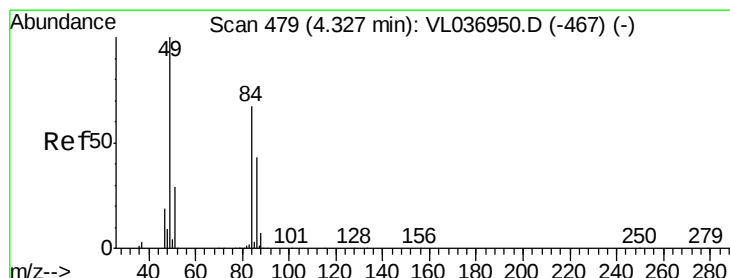
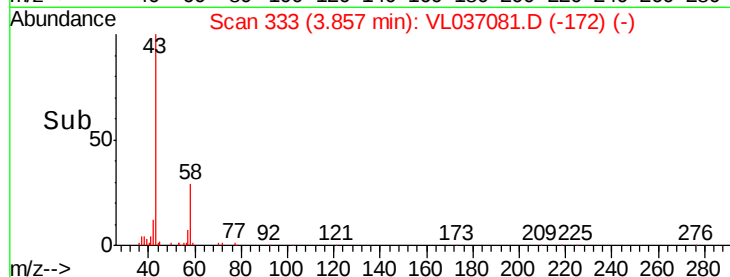
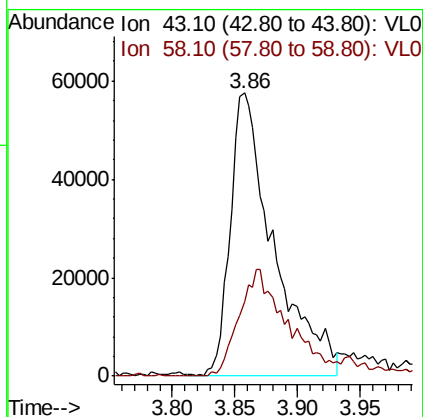
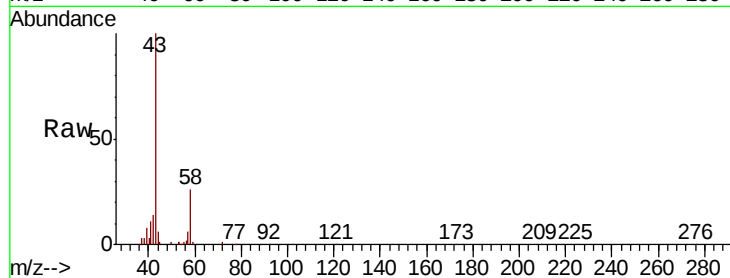
43 100

58 49.5 24.0 36.0#

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#20

Methylene Chloride

Concen: 0.385 ppbv m

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037081.D

Acq: 1 Jun 2021 22:16

Tgt Ion: 84 Resp: 30624

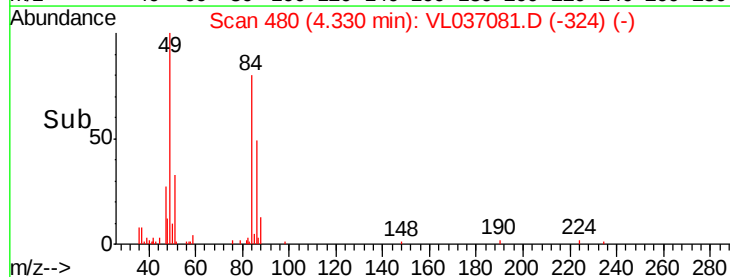
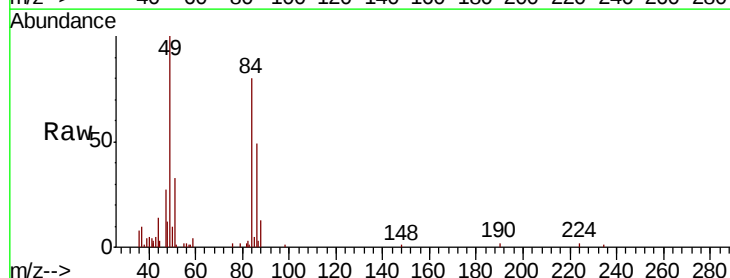
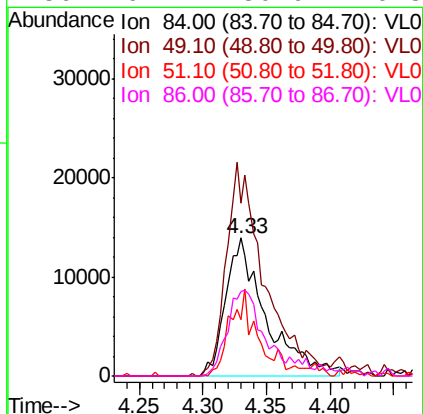
Ion Ratio Lower Upper

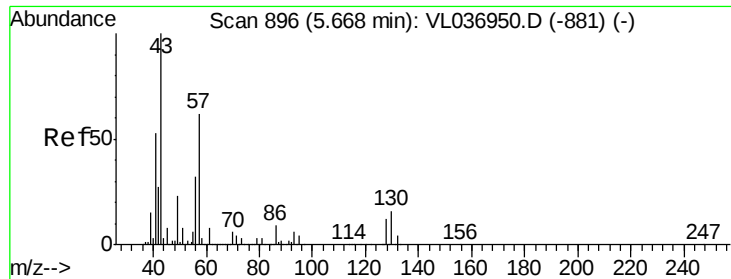
84 100

49 125.4 119.8 179.6

51 41.1 35.1 52.7

86 61.4 50.9 76.3





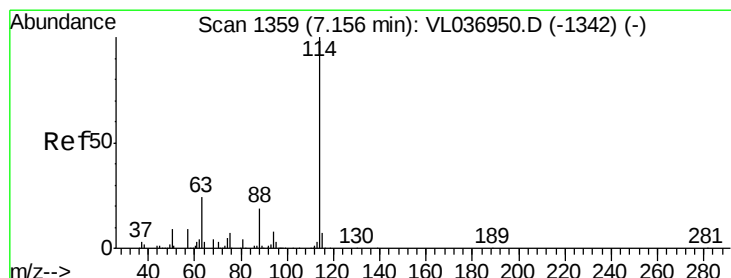
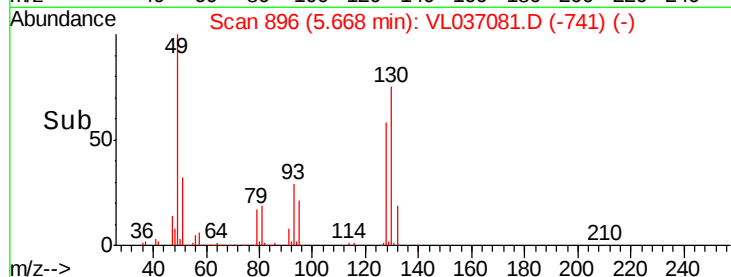
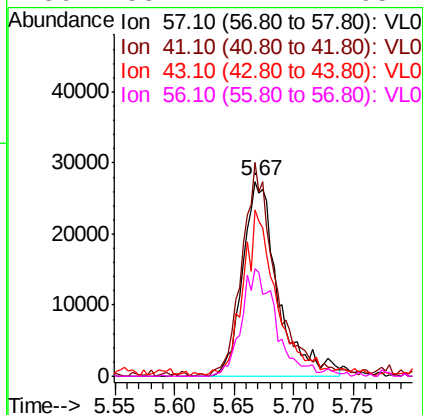
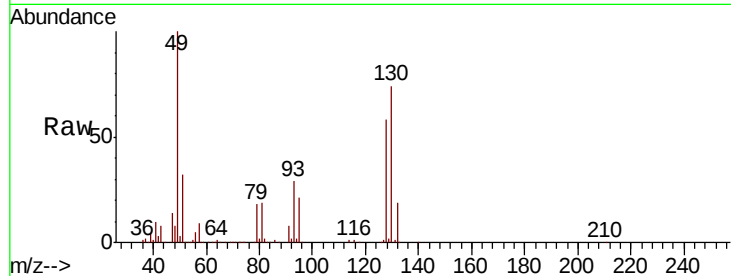
#26
Hexane
Concen: 0.309 ppbv m
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL037081.D
Acq: 1 Jun 2021 22:16

Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	105.3	70.5	105.7		
43	80.4	165.8	248.8#		
56	55.4	42.2	63.4		

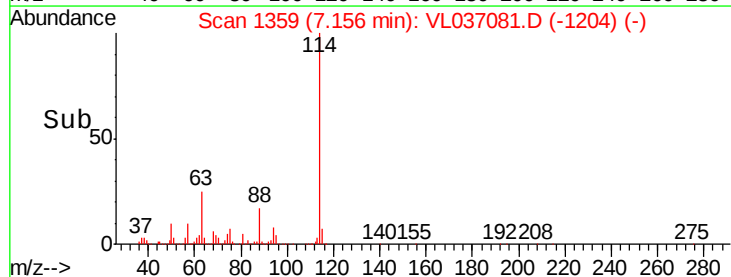
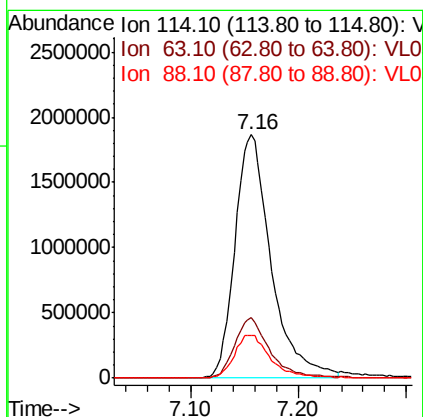
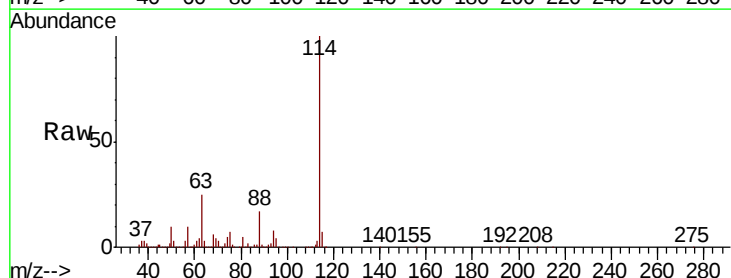
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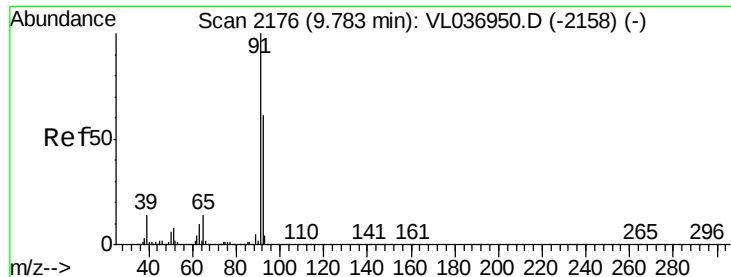
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL037081.D
Acq: 1 Jun 2021 22:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
114	100				
63	24.6	19.6	29.4		
88	18.1	14.6	21.8		





#53

Toluene

Concen: 0.184 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037081.D

Acq: 1 Jun 2021 22:16

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

Tot Ion: 91 Resp: 82272

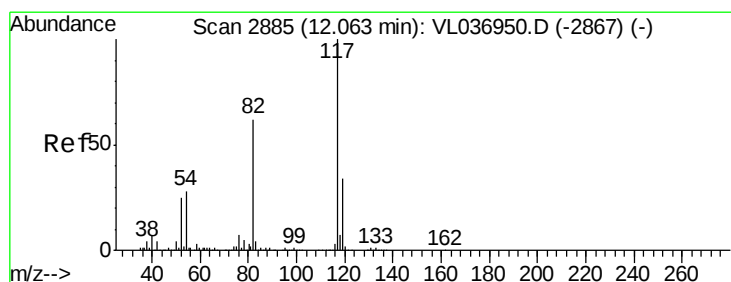
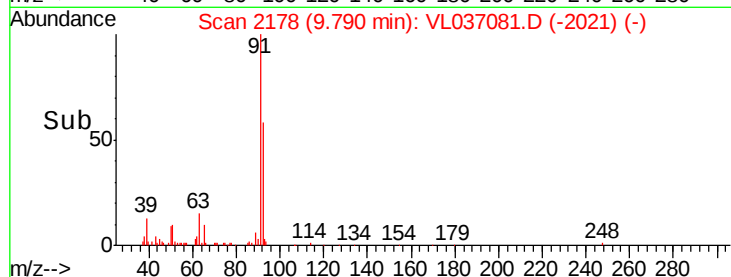
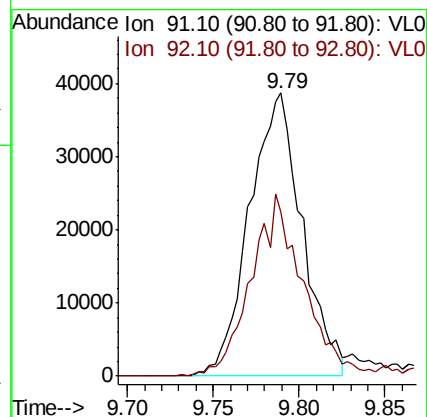
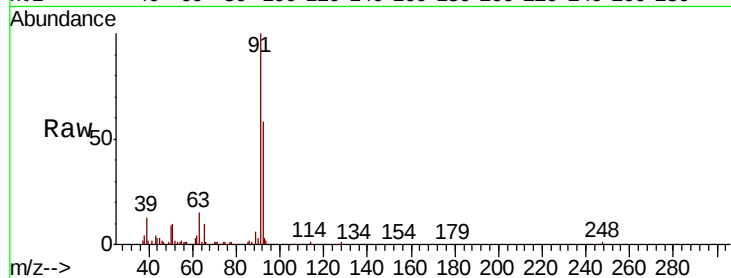
Ion Ratio Lower Upper

91 100

92 65.8 49.5 74.3

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037081.D

Acq: 1 Jun 2021 22:16

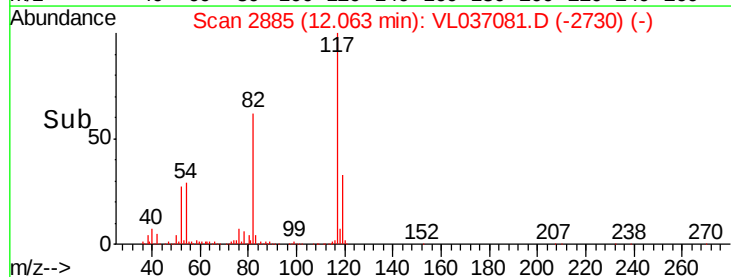
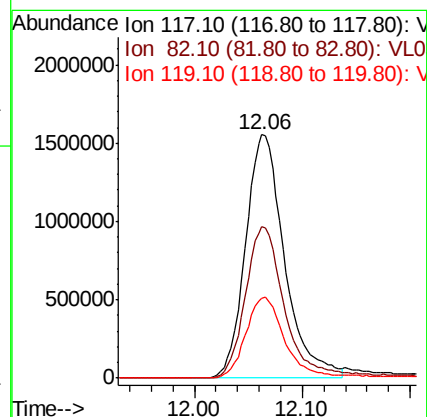
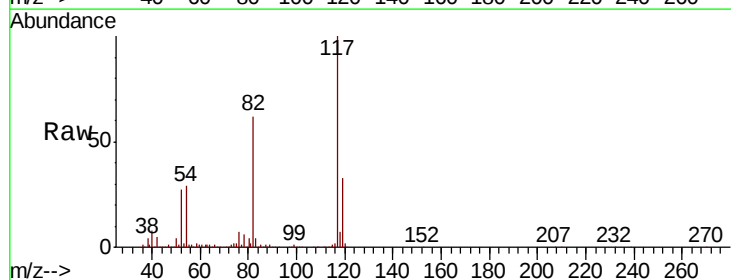
Tgt Ion: 117 Resp: 3905374

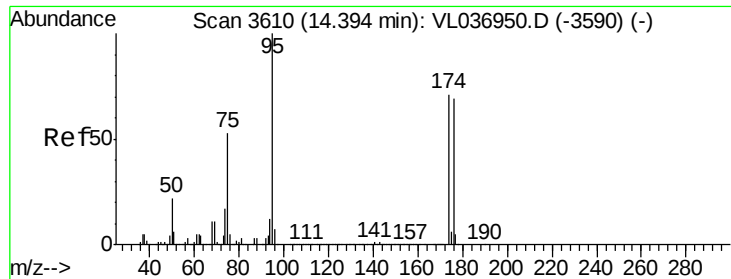
Ion Ratio Lower Upper

117 100

82 65.3 52.6 79.0

119 34.6 46.6 70.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.862 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VL037081.D
 Acq: 1 Jun 2021 22:16

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

Tot Ion: 95 Resp: 2893344
 Ion Ratio Lower Upper
 95 100
 174 76.3 58.4 87.6
 175 5.4 4.4 6.6

Manual Integrations
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