

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037107.D
 Acq On : 2 Jun 2021 18:31
 Operator : SY/AP
 Sample : M2548-10DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18ADL

Manual Integrations
 APPROVED

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 6/7/2021 3:01:01 PM

Quant Time: Jun 06 20:11:45 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	1385773	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4067673	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3693349	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2716183	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	1446634	119.266	ppbv	92
15) Acetone	3.86	43	201805m	1.422	ppbv	
19) Isopropyl Alcohol	3.96	45	1907097	24.995	ppbv #	34
26) Hexane	5.68	57	150997	0.867	ppbv #	45
53) Toluene	9.79	91	108156	0.259	ppbv	98

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

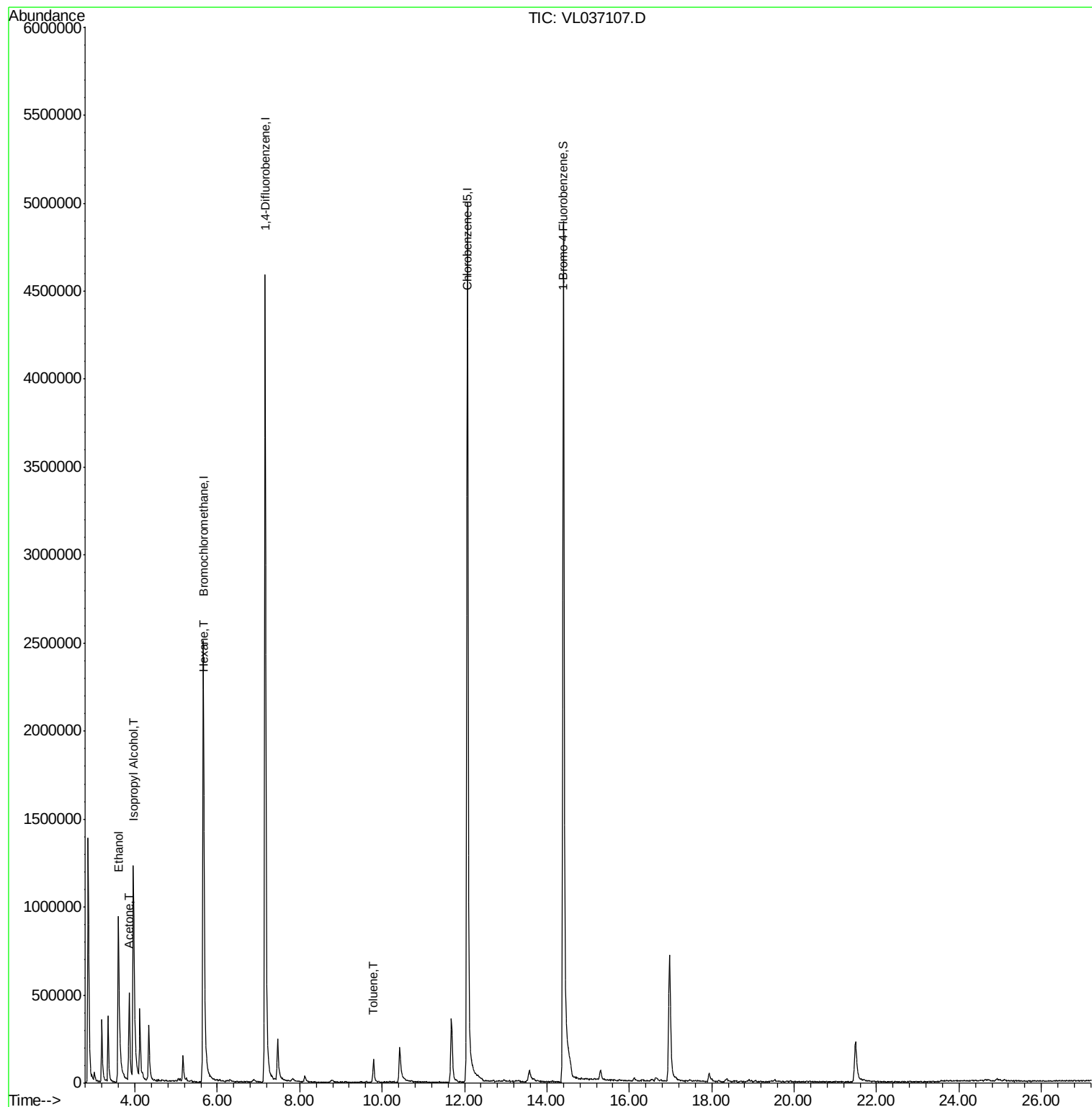
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060221\
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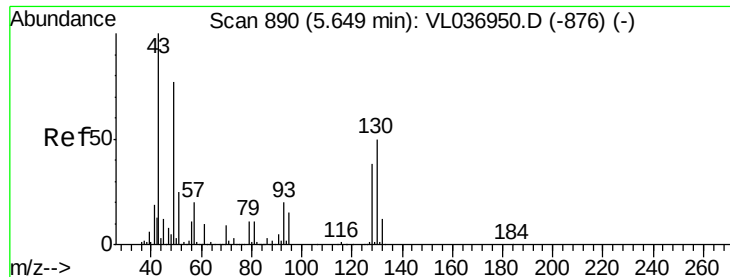
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Quant Time: Jun 06 20:11:45 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037107.D

Acq: 2 Jun 2021 18:31

Instrument :

MSVOA_L

ClientSampleId :

IA-18ADL

Tot Ion: 49 Resp: 1385773

Ion Ratio Lower Upper

49 100

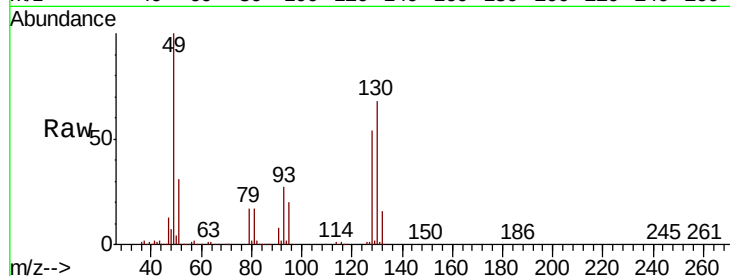
128 57.4 26.9 80.7

130 75.4 33.8 101.4

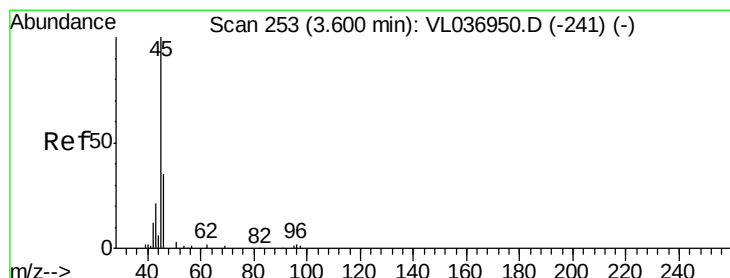
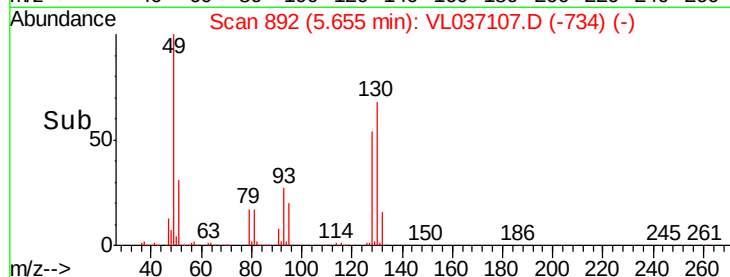
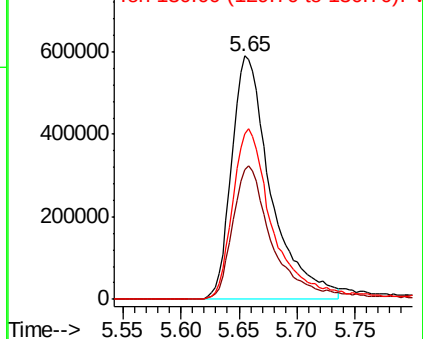
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Abundance Ion 49.10 (48.80 to 49.80): VL0
800000
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 119.266 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL037107.D

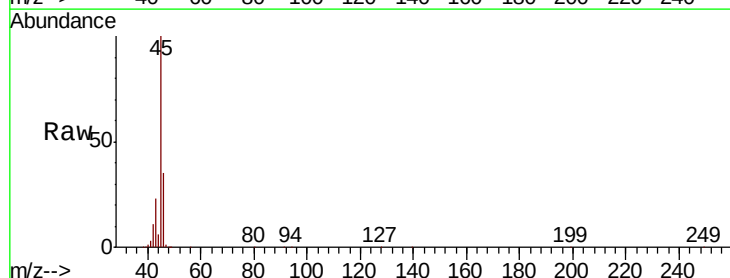
Acq: 2 Jun 2021 18:31

Tgt Ion: 45 Resp: 1446634

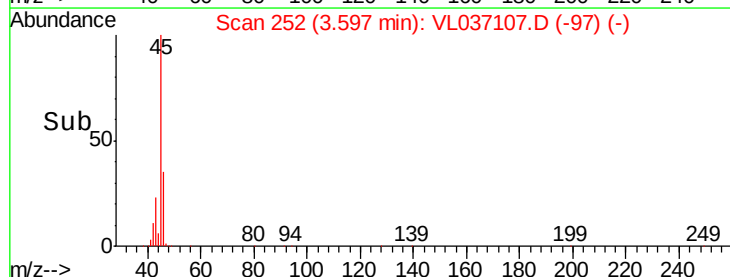
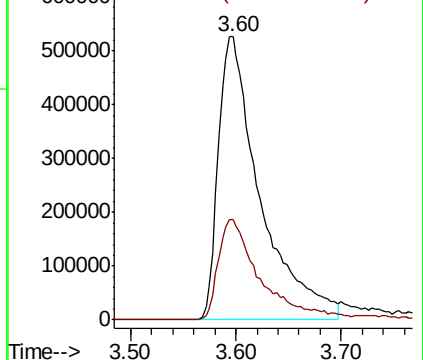
Ion Ratio Lower Upper

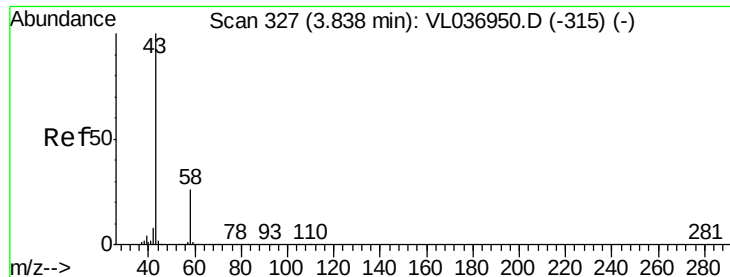
45 100

46 35.7 16.3 65.3



Abundance Ion 45.10 (44.80 to 45.80): VL0
600000
Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.422 ppbv m

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL037107.D

Acq: 2 Jun 2021 18:31

Instrument :

MSVOA_L

ClientSampleId :

IA-18ADL

Tot Ion: 43 Resp: 201805

Ion Ratio Lower Upper

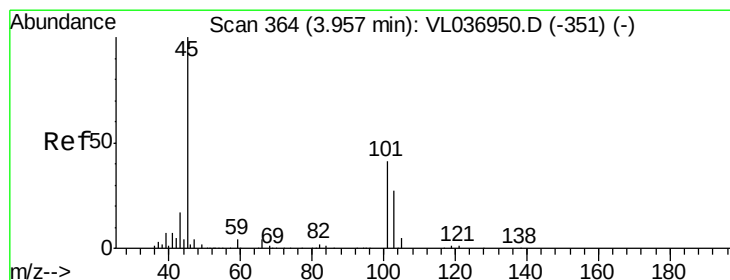
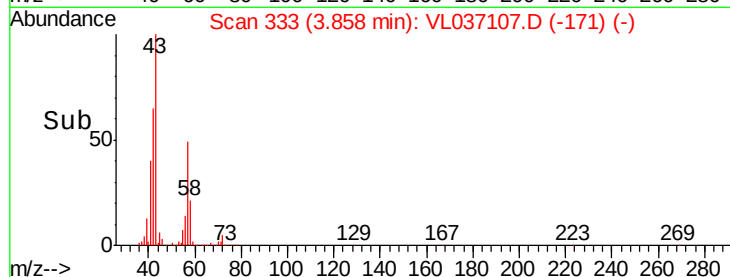
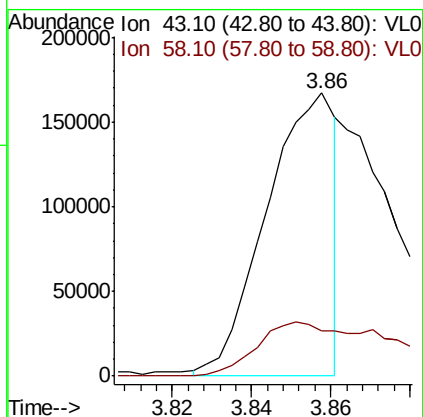
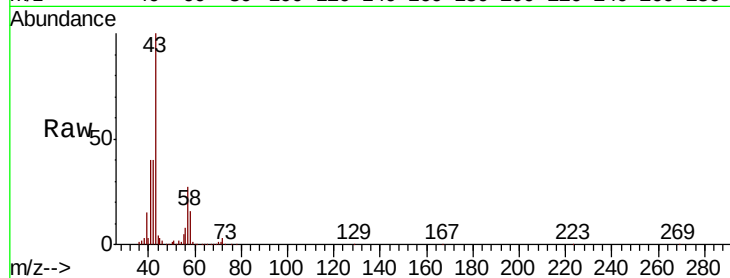
43 100

58 43.8 24.0 36.0#

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#19

Isopropyl Alcohol

Concen: 24.995 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL037107.D

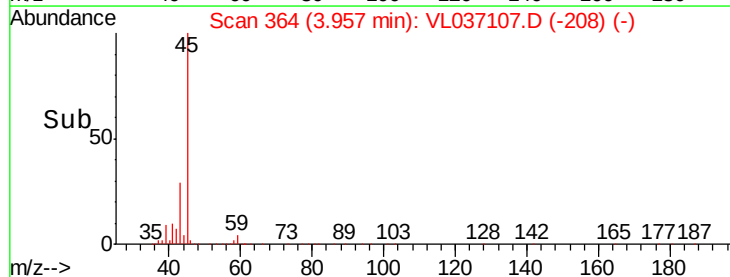
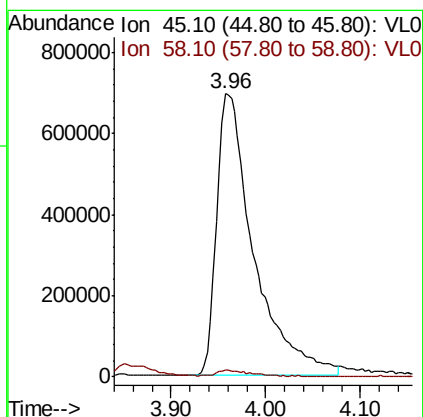
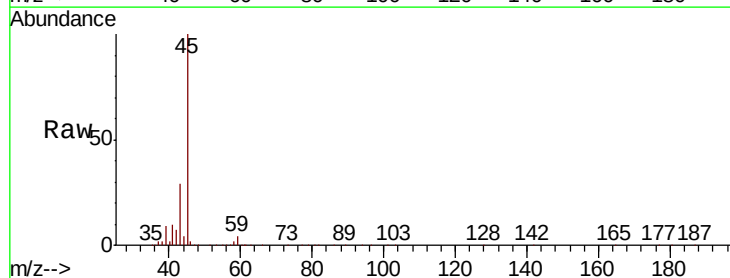
Acq: 2 Jun 2021 18:31

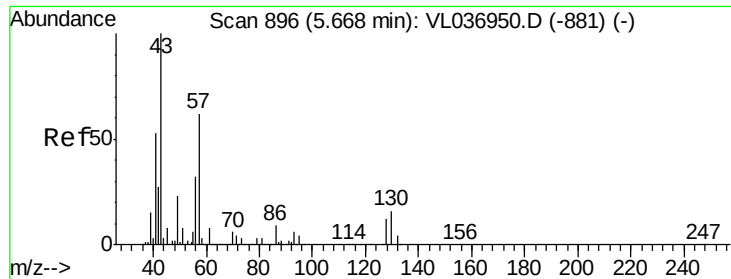
Tgt Ion: 45 Resp: 1907097

Ion Ratio Lower Upper

45 100

58 2.7 37.2 55.8#





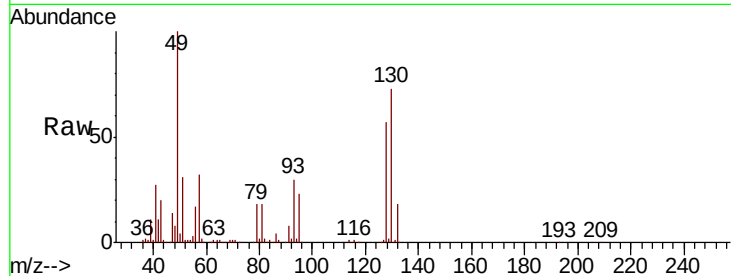
#26
Hexane
Concen: 0.867 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.01 min
Lab File: VL037107.D
Acq: 2 Jun 2021 18:31

Instrument :
MSVOA_L
ClientSampleId :
IA-18ADL

Tot Ion	57	Resp	150997
Ion	Ratio	Lower	Upper
57	100		
41	99.8	70.5	105.7
43	75.7	165.8	248.8#
56	56.5	42.2	63.4

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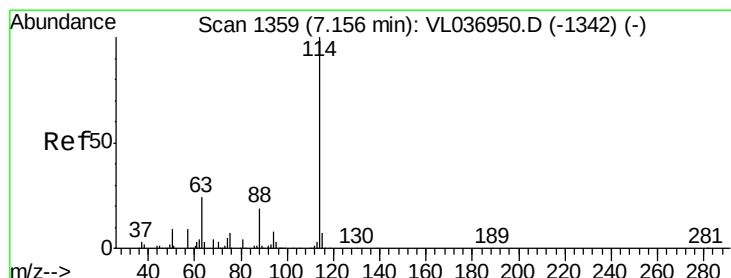
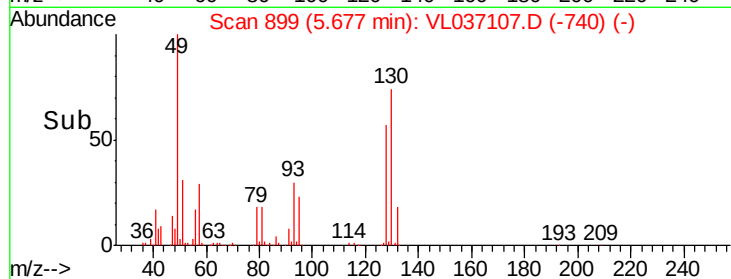
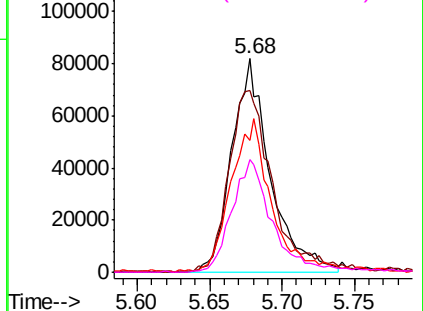
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

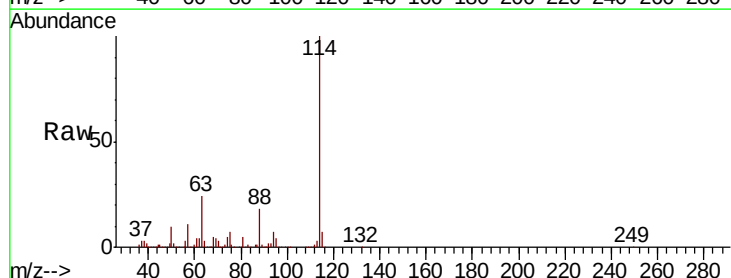
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.01 min
Lab File: VL037107.D
Acq: 2 Jun 2021 18:31

Tgt Ion	114	Resp	4067673
Ion	Ratio	Lower	Upper
114	100		
63	24.6	19.6	29.4
88	18.2	14.6	21.8

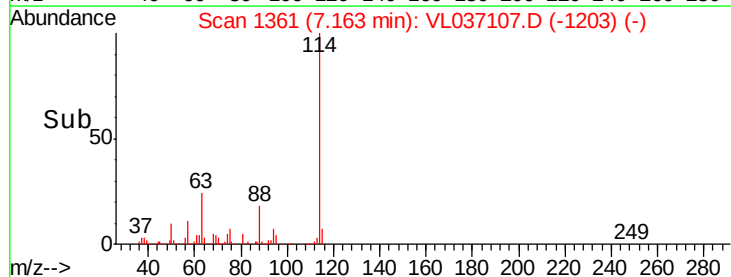
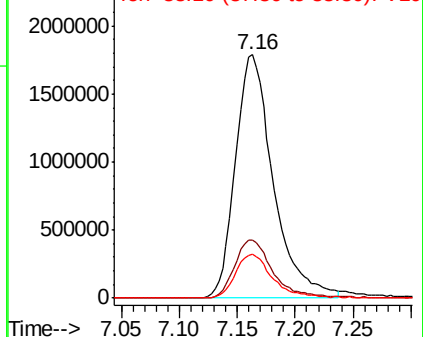


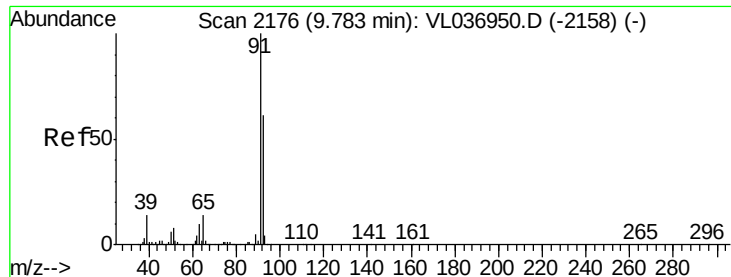
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 0.259 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL037107.D

Acq: 2 Jun 2021 18:31

Instrument :

MSVOA_L

ClientSampleId :

IA-18ADL

Tot Ion: 91 Resp: 108156

Ion Ratio Lower Upper

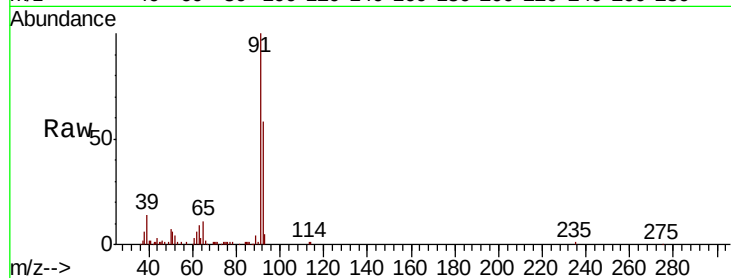
91 100

92 60.2 49.5 74.3

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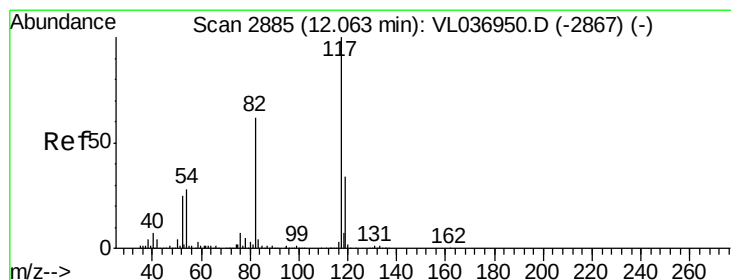
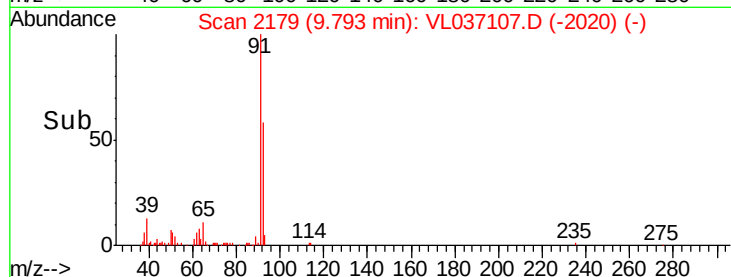
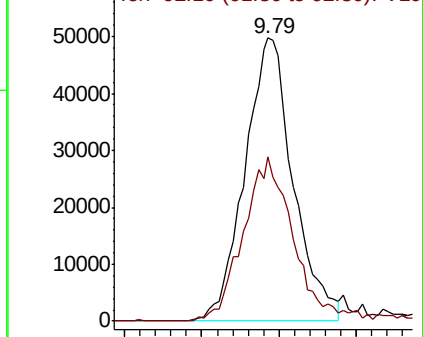
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL037107.D

Acq: 2 Jun 2021 18:31

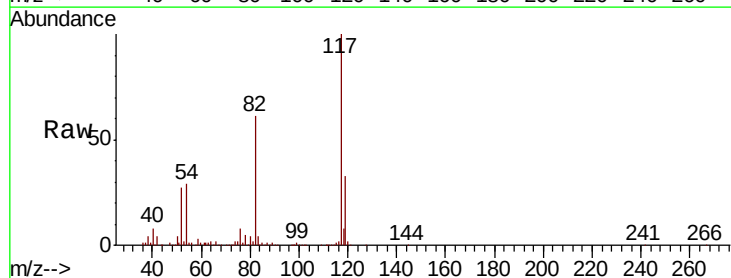
Tgt Ion: 117 Resp: 3693349

Ion Ratio Lower Upper

117 100

82 65.6 52.6 79.0

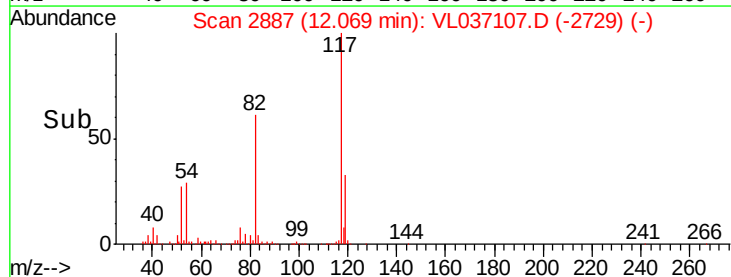
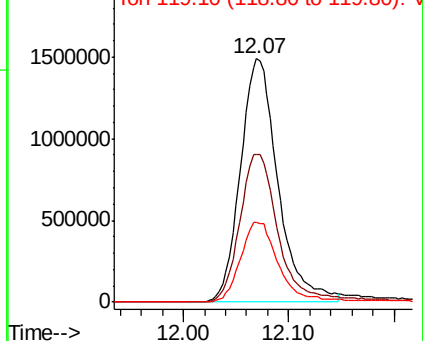
119 34.1 46.6 70.0#

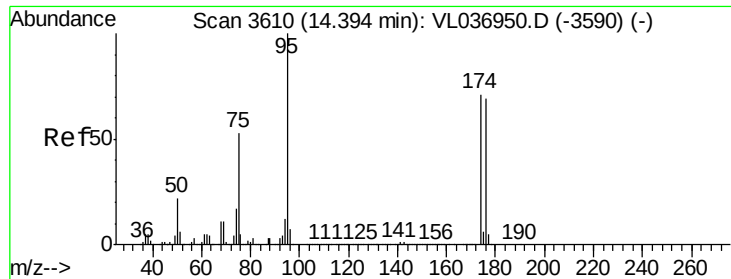


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.790 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T. 0.01 min
 Lab File: VL037107.D
 Acq: 2 Jun 2021 18:31

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-18ADL

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.9	58.4	87.6
175	5.7	4.4	6.6

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