

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037095.D
 Acq On : 2 Jun 2021 7:30
 Operator : SY/AP
 Sample : M2548-08DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6ADL

Manual Integrations
 APPROVED

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 6/7/2021 2:59:42 PM

Quant Time: Jun 06 21:44:10 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	1440570	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4246163	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3854705	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2872678	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.59	45	1199536	95.133	ppbv	94
15) Acetone	3.85	43	175735m	1.191	ppbv	
19) Isopropyl Alcohol	3.97	45	174901m	2.205	ppbv	
26) Hexane	5.67	57	64890	0.358	ppbv #	48
29) Chloroform	5.73	83	15727m	0.061	ppbv	
53) Toluene	9.79	91	176711	0.406	ppbv	98

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

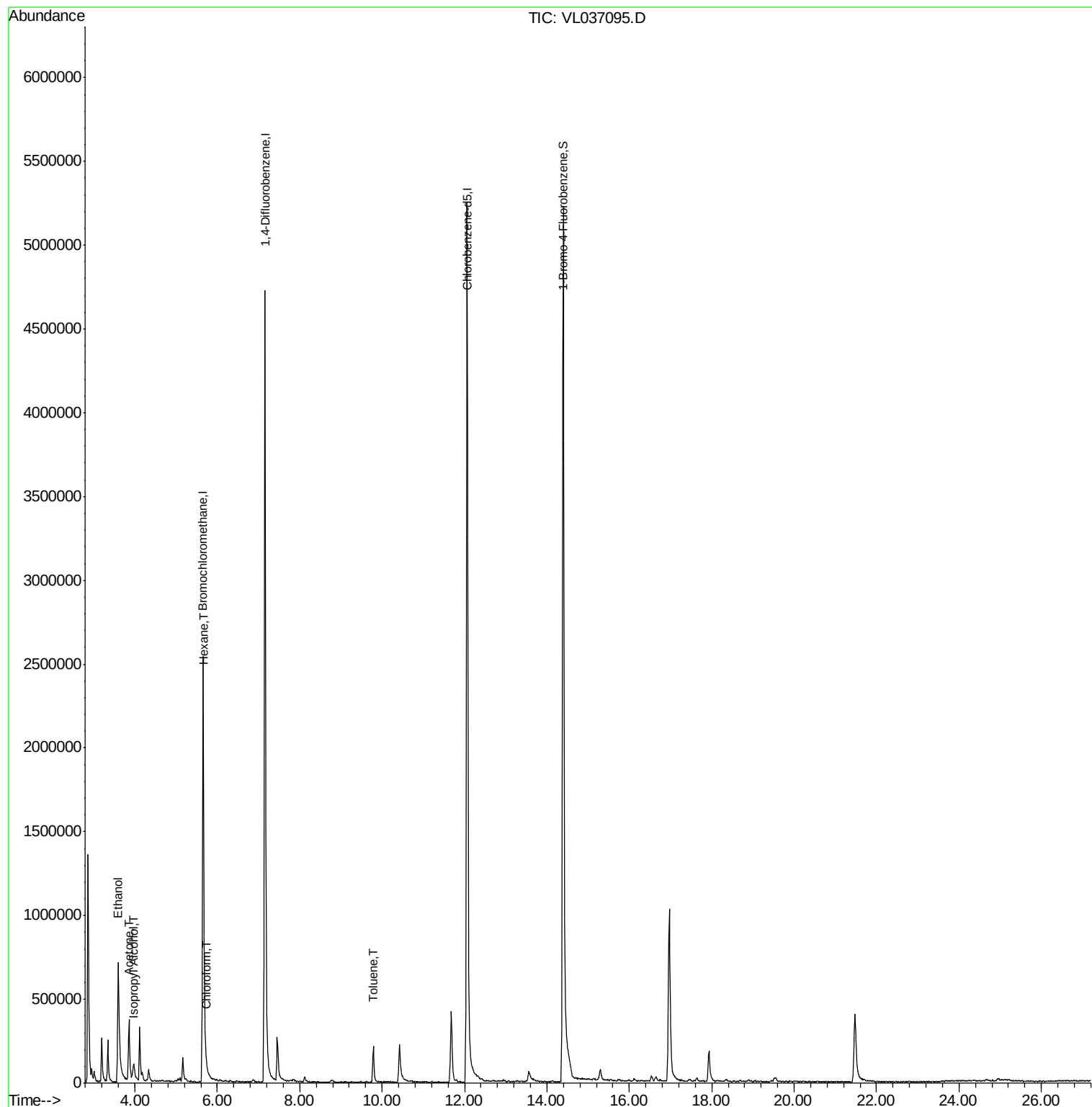
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060121\
Data File : VL037095.D
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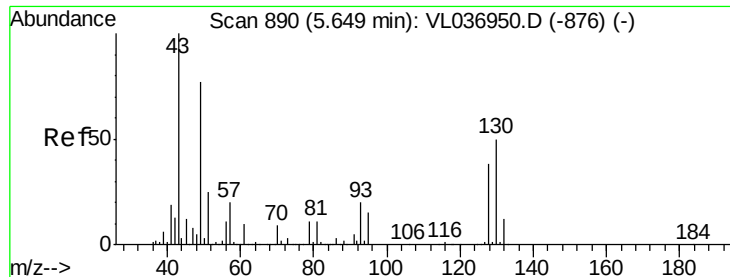
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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037095.D

Acq: 2 Jun 2021 7:30

Instrument :

MSVOA_L

ClientSampleId :

IA-6ADL

Tot Ion: 49 Resp: 1440570

Ion Ratio Lower Upper

49 100

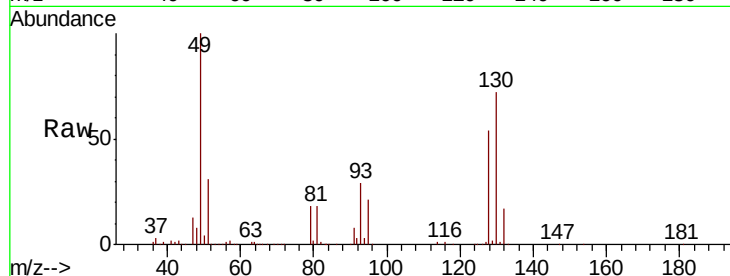
128 57.5 26.9 80.7

130 73.8 33.8 101.4

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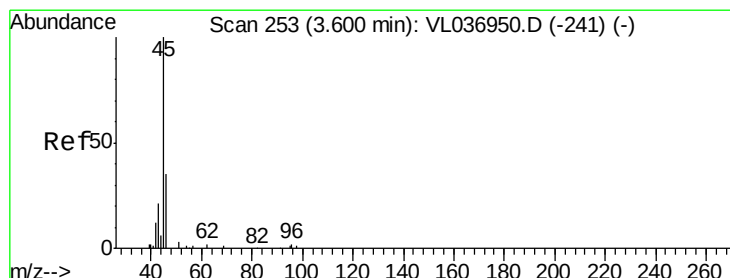
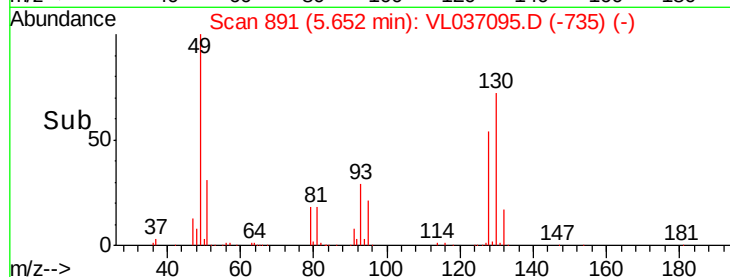
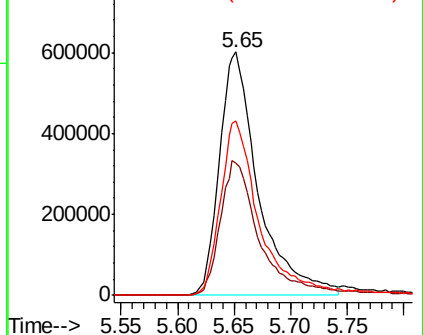
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 95.133 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.01 min

Lab File: VL037095.D

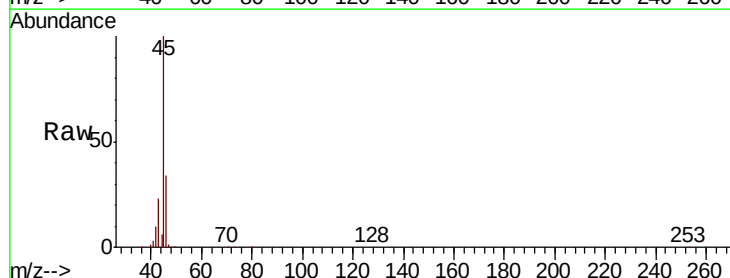
Acq: 2 Jun 2021 7:30

Tgt Ion: 45 Resp: 1199536

Ion Ratio Lower Upper

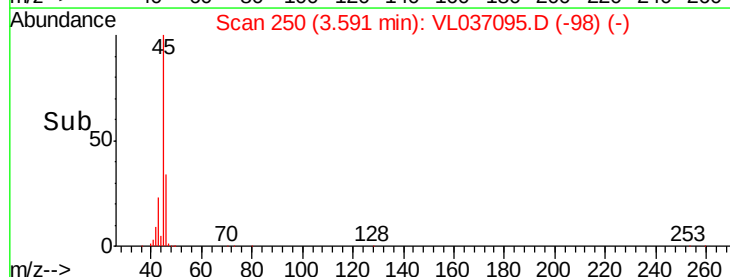
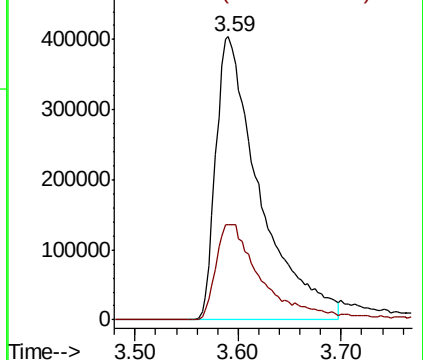
45 100

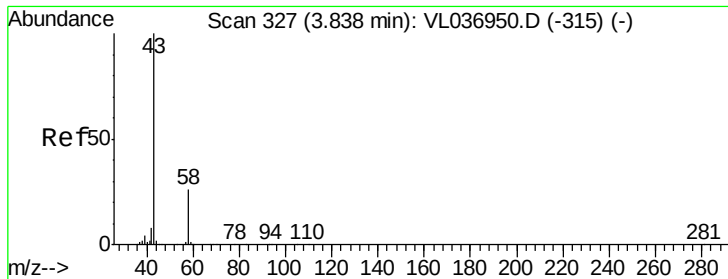
46 36.8 16.3 65.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





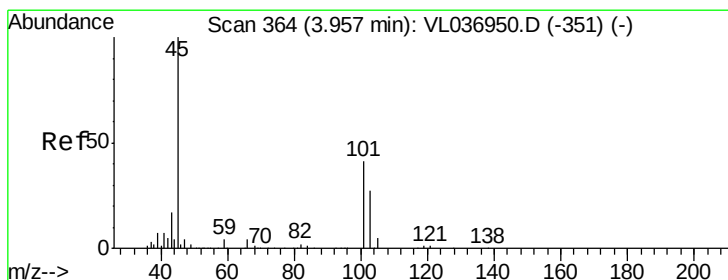
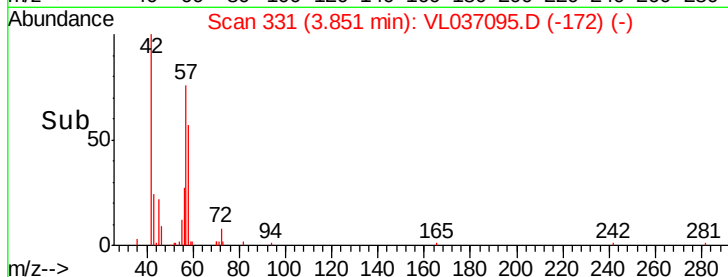
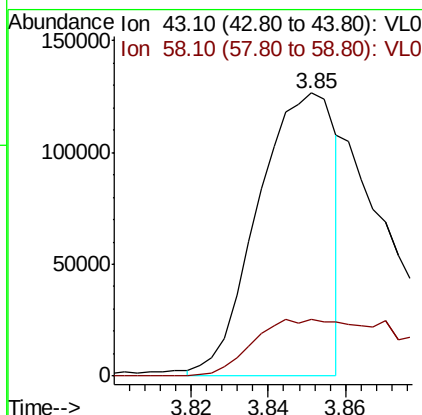
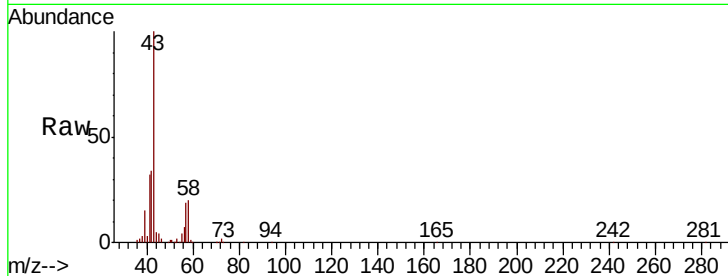
#15
Acetone
Concen: 1.191 ppbv m
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL037095.D
Acq: 2 Jun 2021 7:30

Instrument :
MSVOA_L
ClientSampled :
IA-6ADL

Tot Ion: 43 Resp: 175735
Ion Ratio Lower Upper
43 100
58 48.2 24.0 36.0#

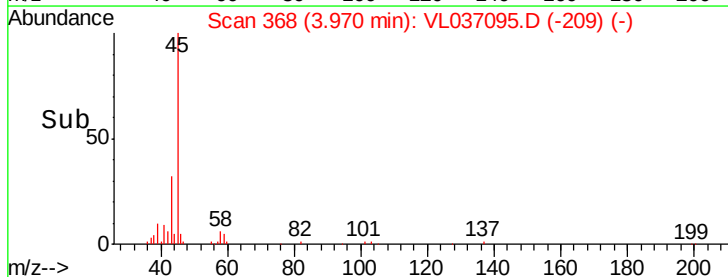
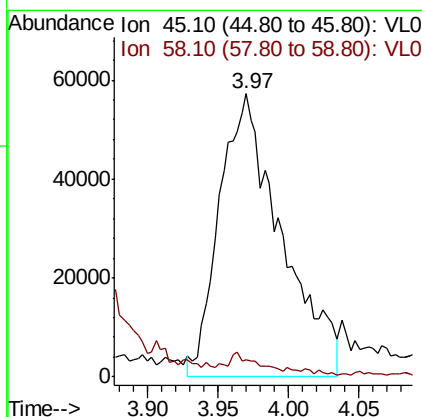
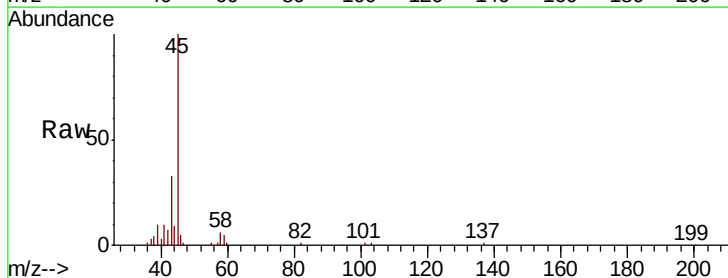
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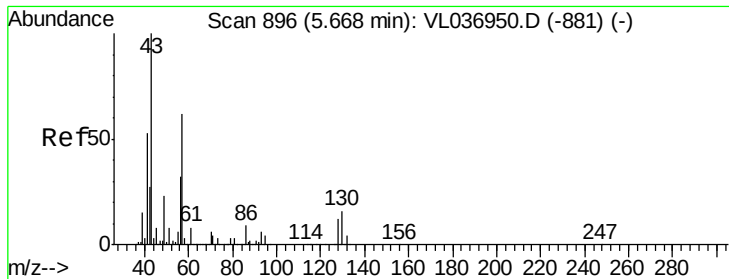
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#19
Isopropyl Alcohol
Concen: 2.205 ppbv m
RT: 3.97 min Scan# 368
Delta R.T. 0.01 min
Lab File: VL037095.D
Acq: 2 Jun 2021 7:30

Tgt Ion: 45 Resp: 174901
Ion Ratio Lower Upper
45 100
58 7.5 37.2 55.8#





#26

Hexane

Concen: 0.358 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL037095.D

Acq: 2 Jun 2021 7:30

Instrument :

MSVOA_L

ClientSampled :

IA-6ADL

Tot Ion: 57 Resp: 64890

Ion Ratio Lower Upper

57 100

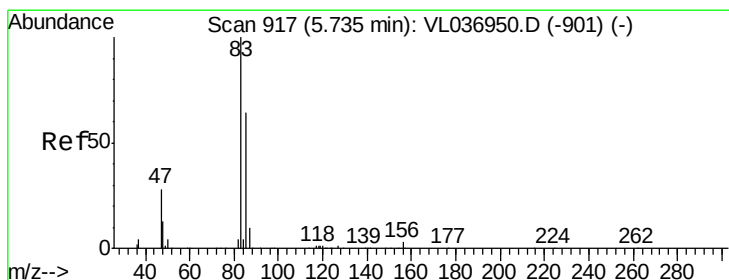
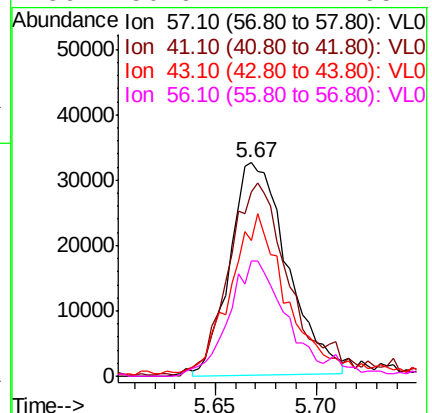
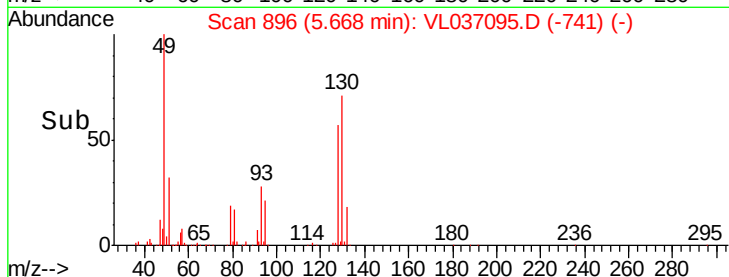
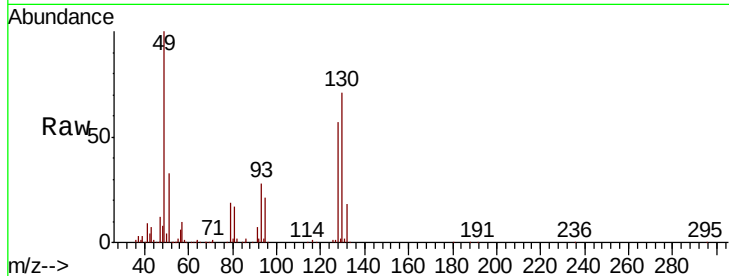
41 97.8 70.5 105.7

43 81.7 165.8 248.8#

56 56.9 42.2 63.4

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#29

Chloroform

Concen: 0.061 ppbv m

RT: 5.73 min Scan# 916

Delta R.T. -0.00 min

Lab File: VL037095.D

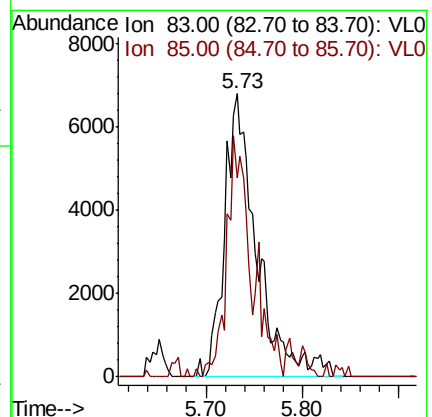
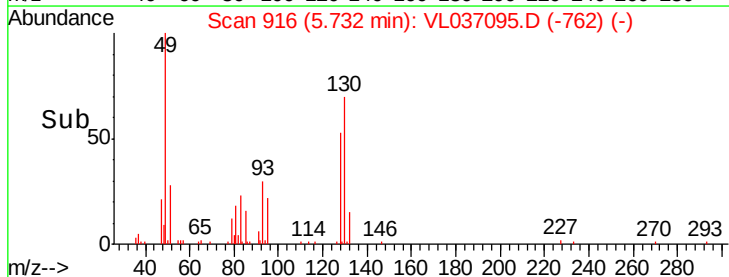
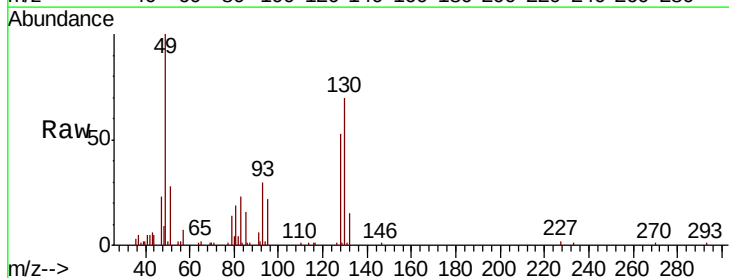
Acq: 2 Jun 2021 7:30

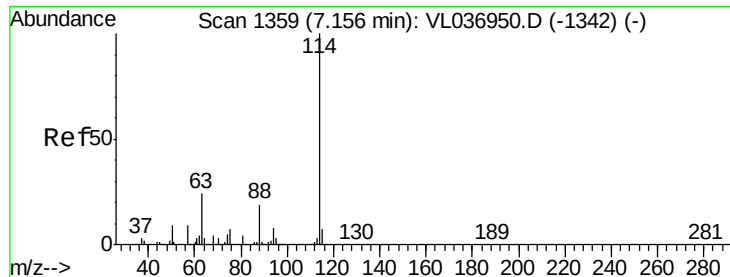
Tgt Ion: 83 Resp: 15727

Ion Ratio Lower Upper

83 100

85 70.1 51.1 76.7





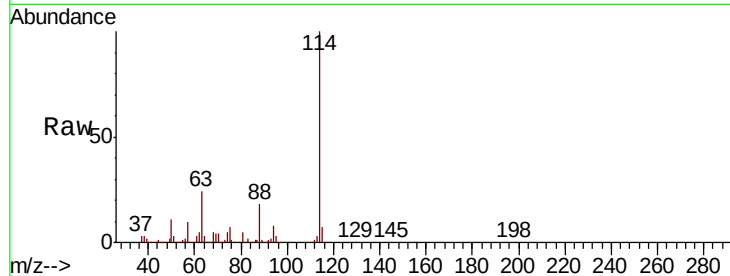
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037095.D
 Acq: 2 Jun 2021 7:30

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-6ADL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.4	19.6	29.4
88	18.0	14.6	21.8

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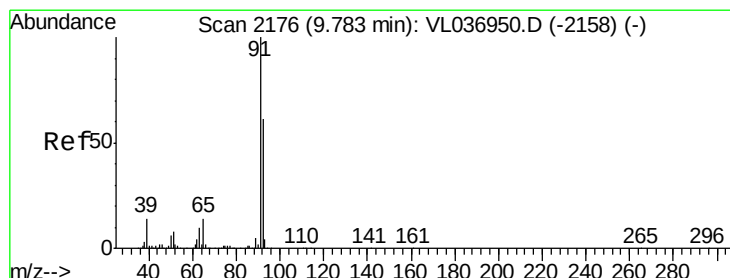
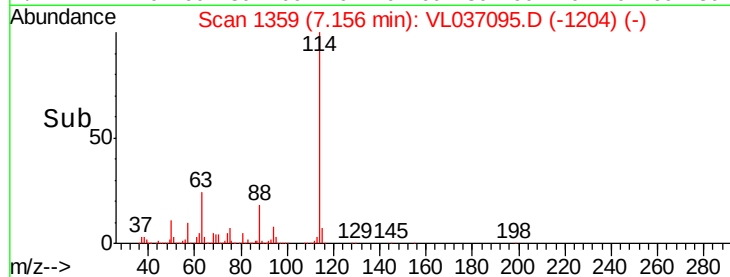
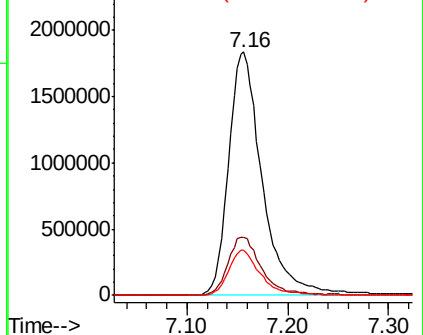


Abundance

Ion 114.10 (113.80 to 114.80): VL0

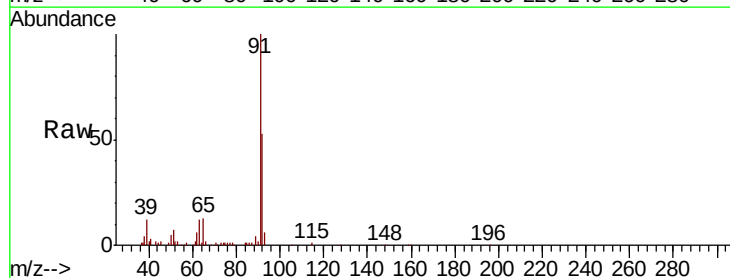
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#53
 Toluene
 Concen: 0.406 ppbv
 RT: 9.79 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VL037095.D
 Acq: 2 Jun 2021 7:30

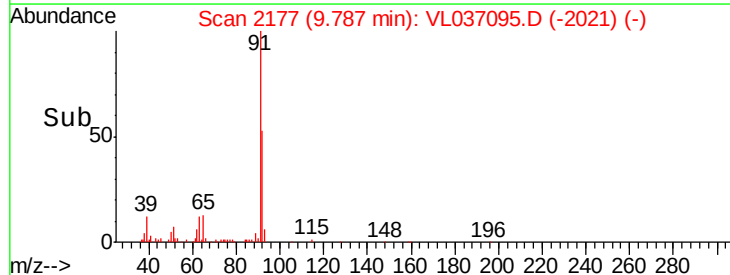
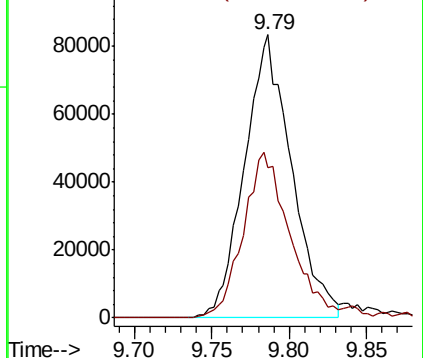
Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.2	49.5	74.3

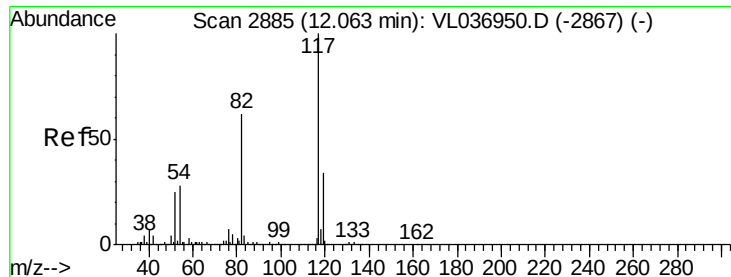


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





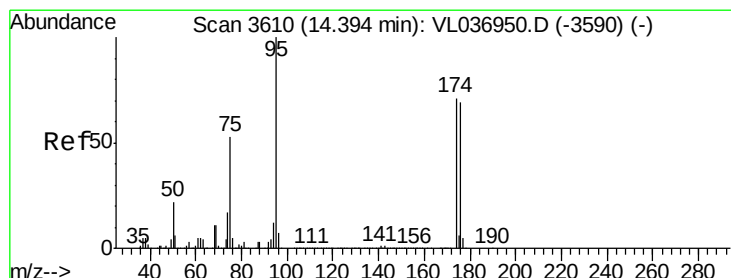
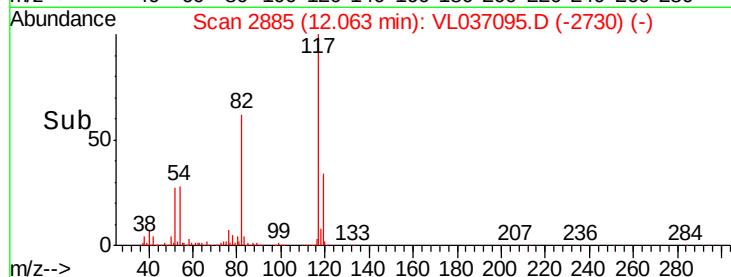
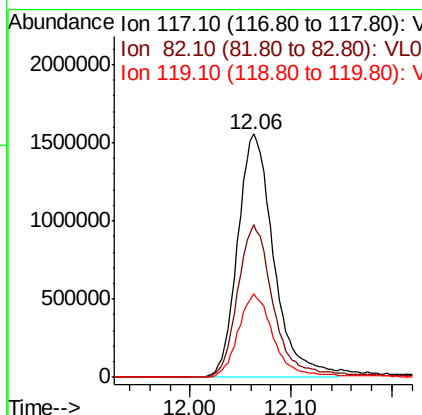
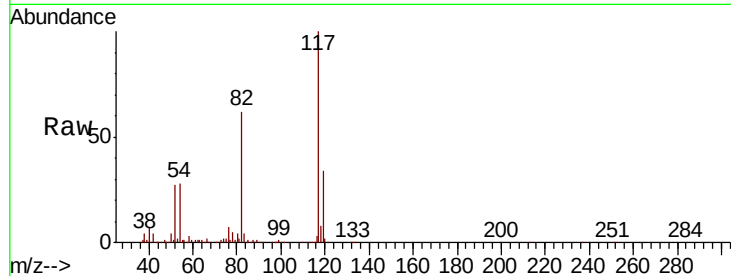
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.00 min
Lab File: VL037095.D
Acq: 2 Jun 2021 7:30

Instrument :
MSVOA_L
ClientSampleId :
IA-6ADL

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.3	52.6	79.0
119	34.6	46.6	70.0#

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.920 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.00 min
Lab File: VL037095.D
Acq: 2 Jun 2021 7:30

Tgt Ion	Ratio	Lower	Upper
95	100		
174	75.0	58.4	87.6
175	5.6	4.4	6.6

