

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092721\
 Data File : VL037684.D
 Acq On : 27 Sep 2021 17:21
 Operator : SY/AP
 Sample : M3896-02DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Manual Integrations
 APPROVED

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 10/1/2021 11:05:06 AM

Quant Time: Sep 30 10:34:16 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1645427	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	4641875	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.10	117	4076256	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2924797	9.93	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Ethanol	3.63	45	22523m	2.103	ppbv	
15) Acetone	3.87	43	380013	2.223	ppbv	89
19) Isopropyl Alcohol	4.00	45	90665m	0.975	ppbv	
32) 1,1,1-Trichloroethane	6.52	97	70182	0.262	ppbv	94

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

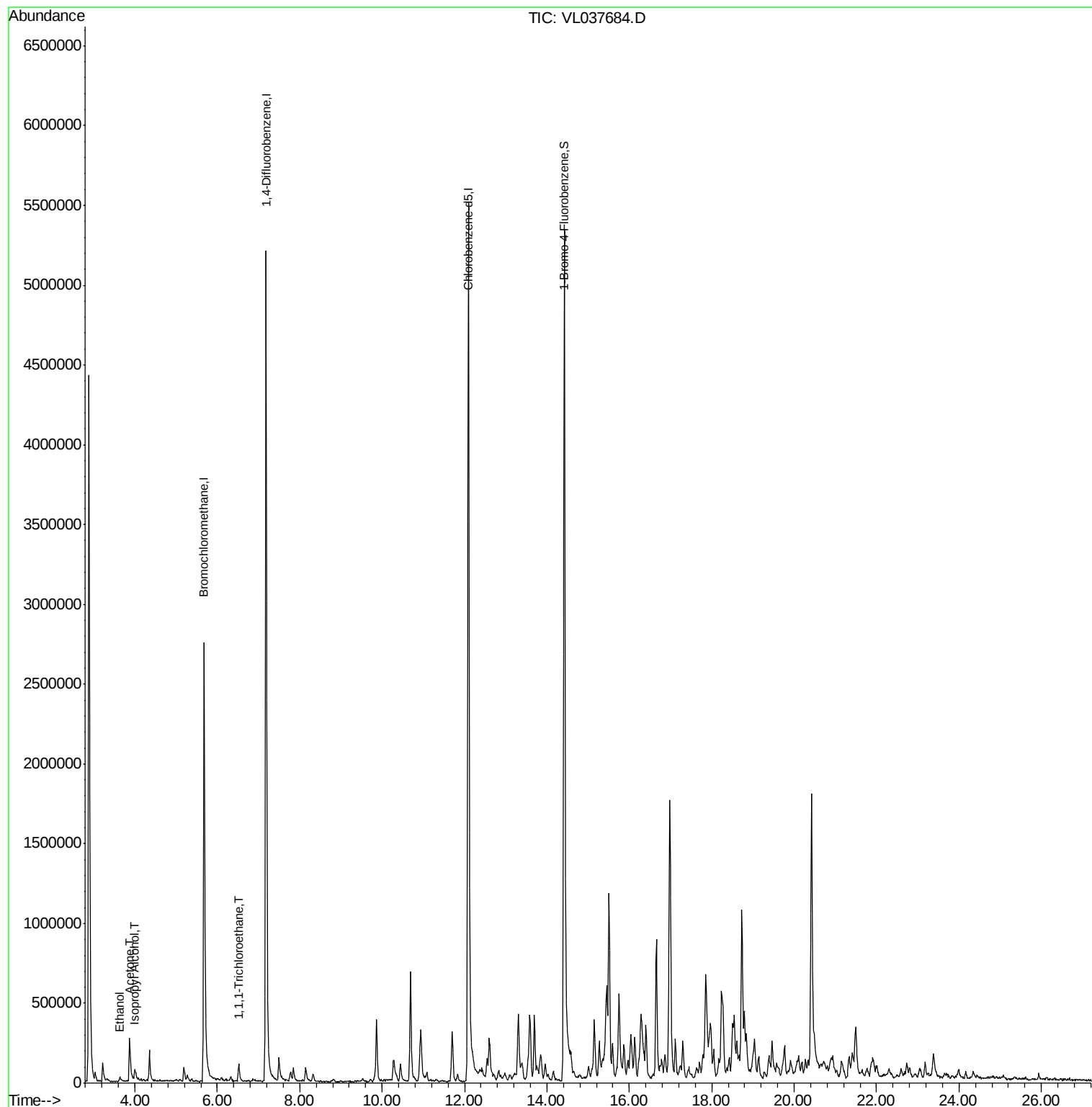
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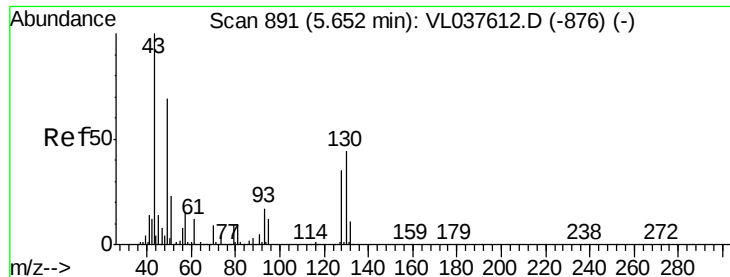
Instrument :
MSVOA_L
ClientSampled :
MIDDLE

Quant Time: Sep 30 10:34:16 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL037684.D

Acq: 27 Sep 2021 17:21

Instrument :

MSVOA_L

ClientSampled :

MIDDLE

Tgt Ion: 49 Resp: 1645427

Ion Ratio Lower Upper

49 100

128 50.9 27.9 83.6

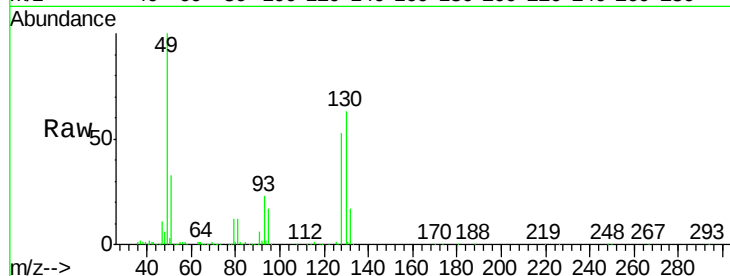
130 66.2 33.9 101.7

Manual Integrations

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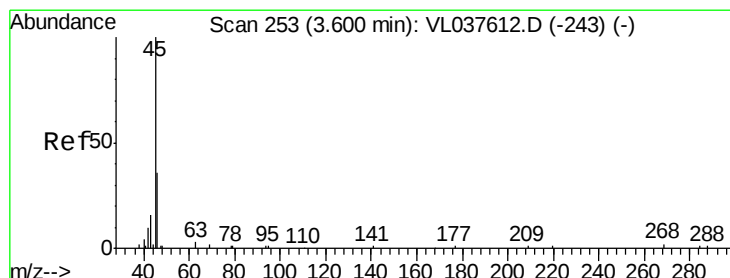
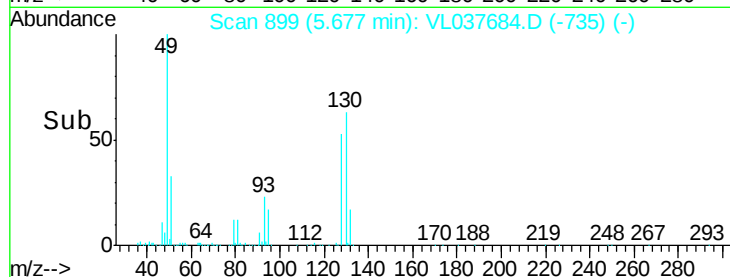
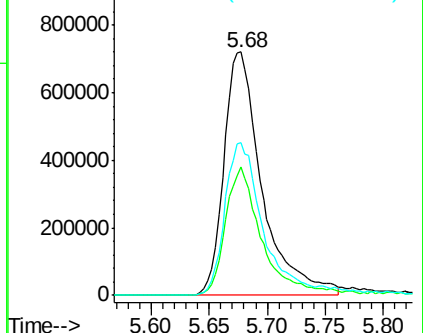
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#13

Ethanol

Concen: 2.103 ppbv m

RT: 3.63 min Scan# 262

Delta R.T. 0.03 min

Lab File: VL037684.D

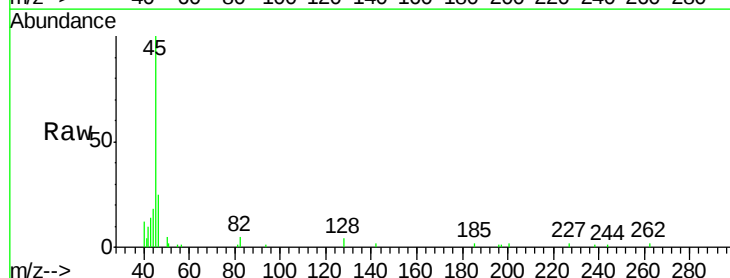
Acq: 27 Sep 2021 17:21

Tgt Ion: 45 Resp: 22523

Ion Ratio Lower Upper

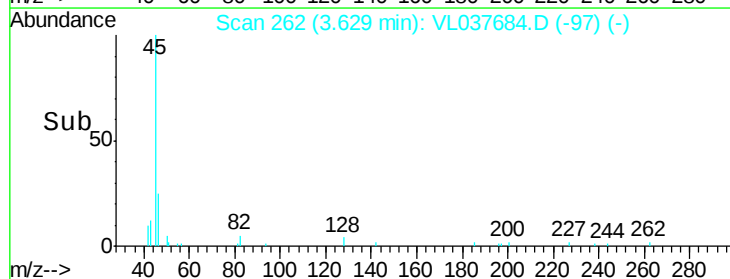
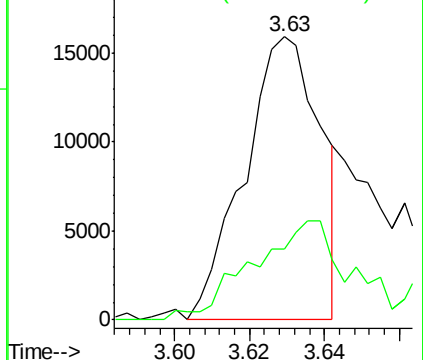
45 100

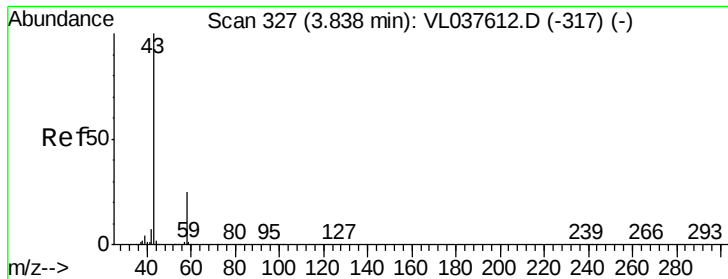
46 60.6 17.2 68.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





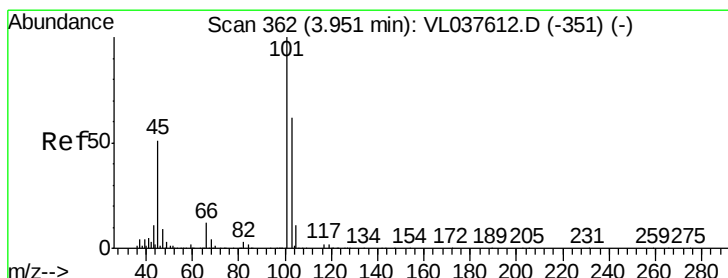
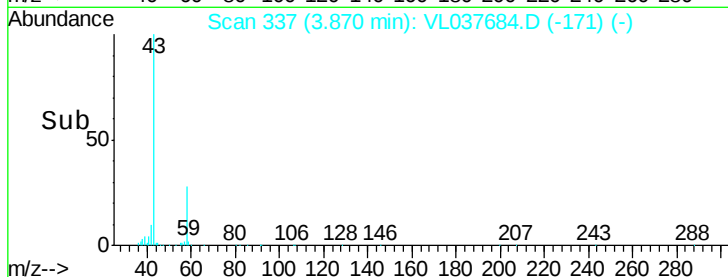
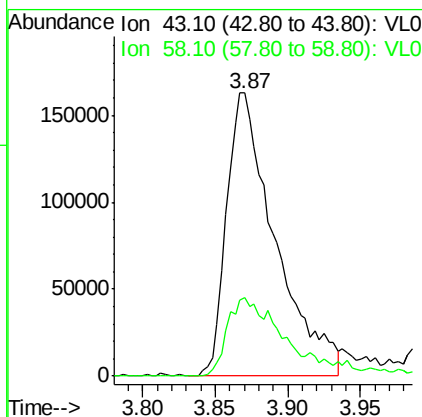
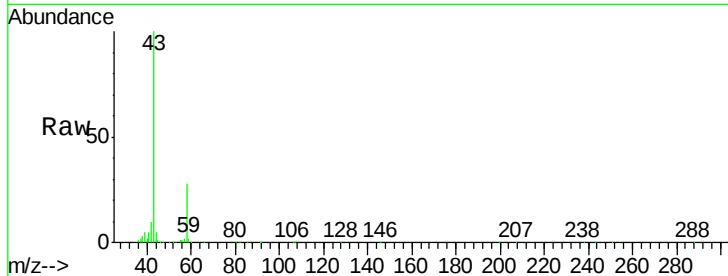
#15
Acetone
Concen: 2.223 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.03 min
Lab File: VL037684.D
Acq: 27 Sep 2021 17:21

Instrument :
MSVOA_L
ClientSampleId :
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Tgt Ion: 43 Resp: 380013
Ion Ratio Lower Upper
43 100
58 36.9 24.9 37.3

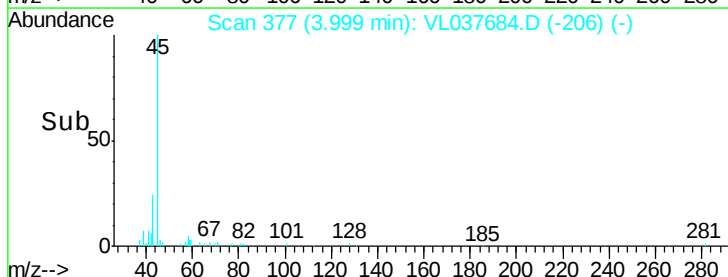
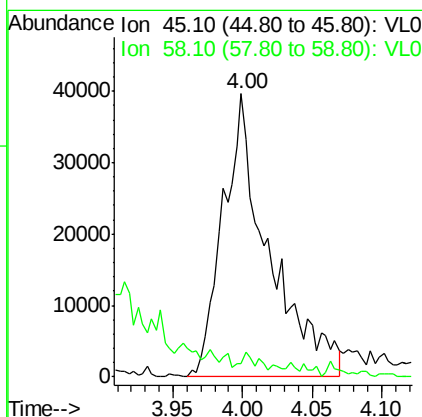
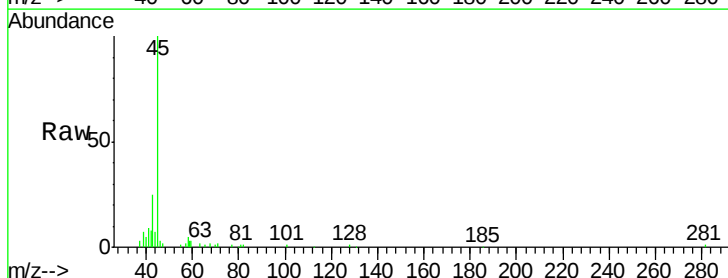
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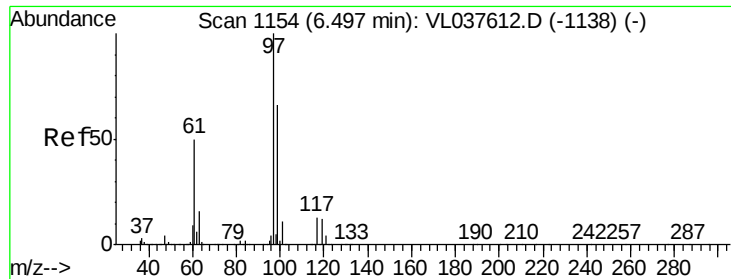
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#19
Isopropyl Alcohol
Concen: 0.975 ppbv m
RT: 4.00 min Scan# 377
Delta R.T. 0.05 min
Lab File: VL037684.D
Acq: 27 Sep 2021 17:21

Tgt Ion: 45 Resp: 90665
Ion Ratio Lower Upper
45 100
58 0.0 2.9 4.3#





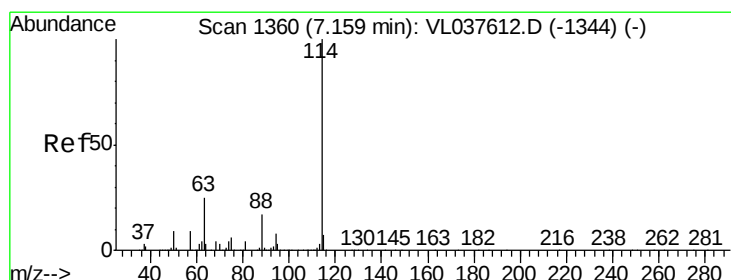
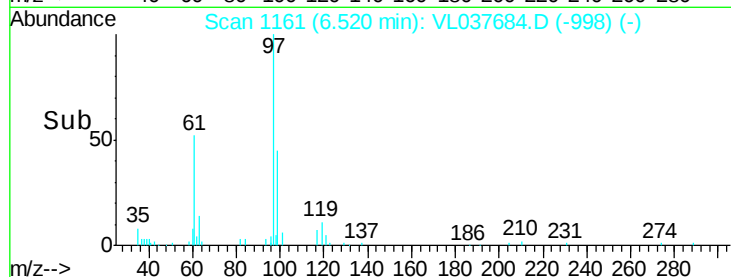
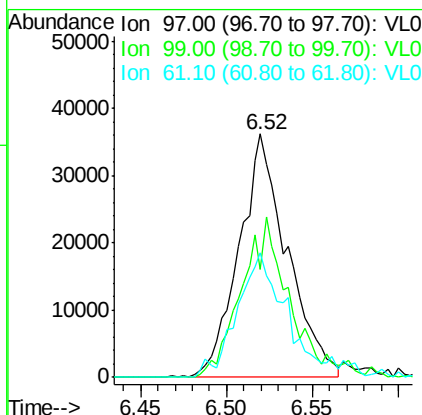
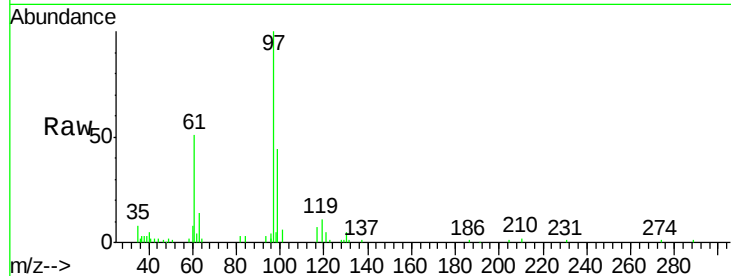
#32
 1,1,1-Trichloroethane
 Concen: 0.262 ppbv
 RT: 6.52 min Scan# 1161
 Delta R.T. 0.02 min
 Lab File: VL037684.D
 Acq: 27 Sep 2021 17:21

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.6	52.3	78.5
61	55.8	39.5	59.3

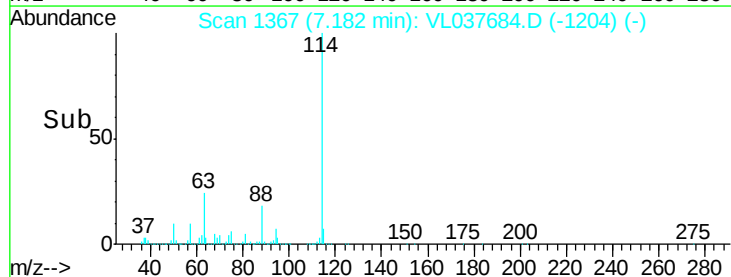
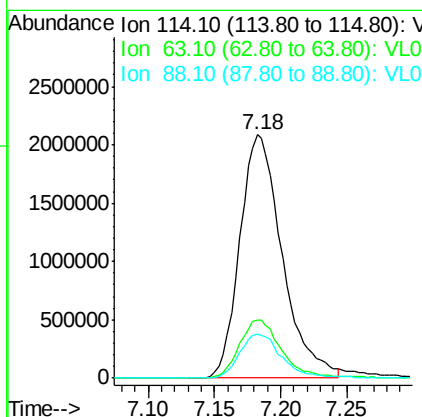
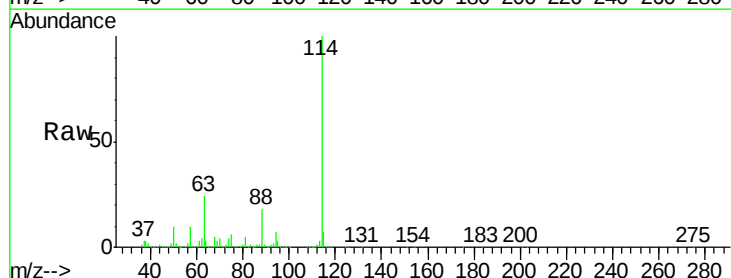
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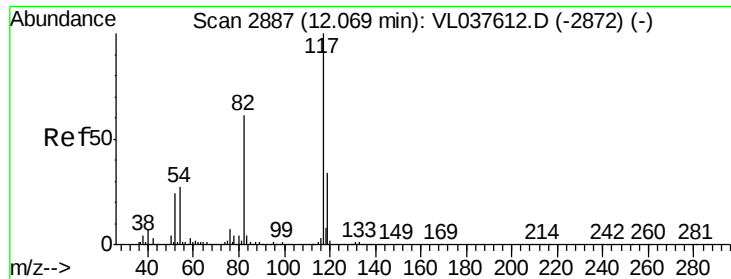
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.02 min
 Lab File: VL037684.D
 Acq: 27 Sep 2021 17:21

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.6	29.4
88	18.6	14.2	21.4





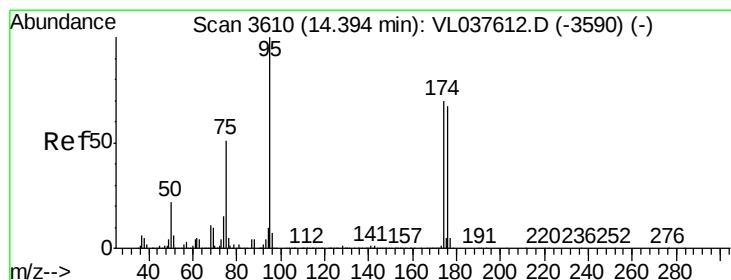
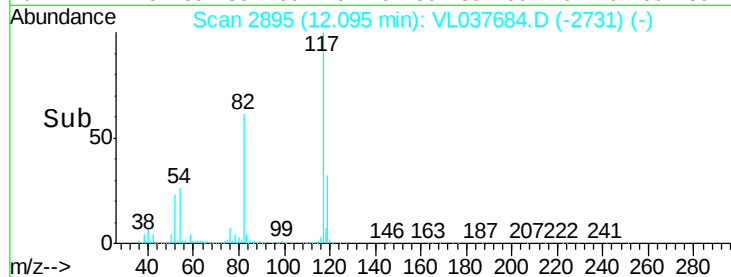
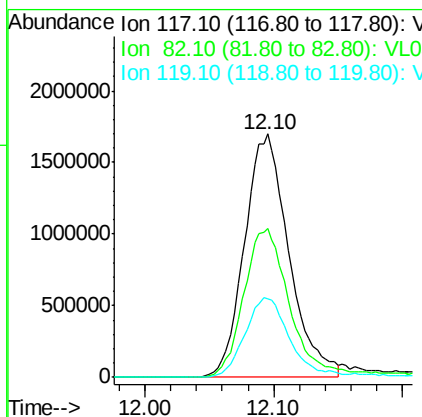
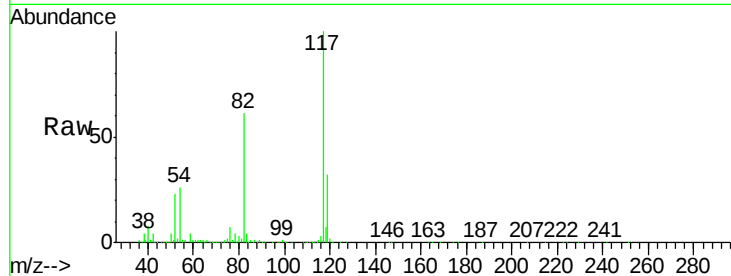
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.03 min
Lab File: VL037684.D
Acq: 27 Sep 2021 17:21

Instrument :
MSVOA_L
ClientSampled :
MIDDLE

Tgt Ion: 117 Resp: 4076256
Ion Ratio Lower Upper
117 100
82 66.2 50.6 75.8
119 34.8 26.2 39.2

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.928 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. 0.03 min
Lab File: VL037684.D
Acq: 27 Sep 2021 17:21

Tgt Ion: 95 Resp: 2924797
Ion Ratio Lower Upper
95 100
174 78.4 56.3 84.5
175 5.7 4.4 6.6

