

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037091.D
 Acq On : 2 Jun 2021 4:52
 Operator : SY/AP
 Sample : M2548-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3ADL

Manual Integrations
 APPROVED

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 6/7/2021 2:59:33 PM

Quant Time: Jun 02 07:04:03 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	1417225	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4205795	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3752065	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2770244	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	13266m	0.143	ppbv	
13) Ethanol	3.61	45	148877	12.002	ppbv	100
15) Acetone	3.86	43	136258m	0.939	ppbv	
19) Isopropyl Alcohol	3.99	45	131886m	1.690	ppbv	
20) Methylene Chloride	4.33	84	30942m	0.398	ppbv	
34) 2-Butanone	5.26	43	21533m	0.141	ppbv	

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

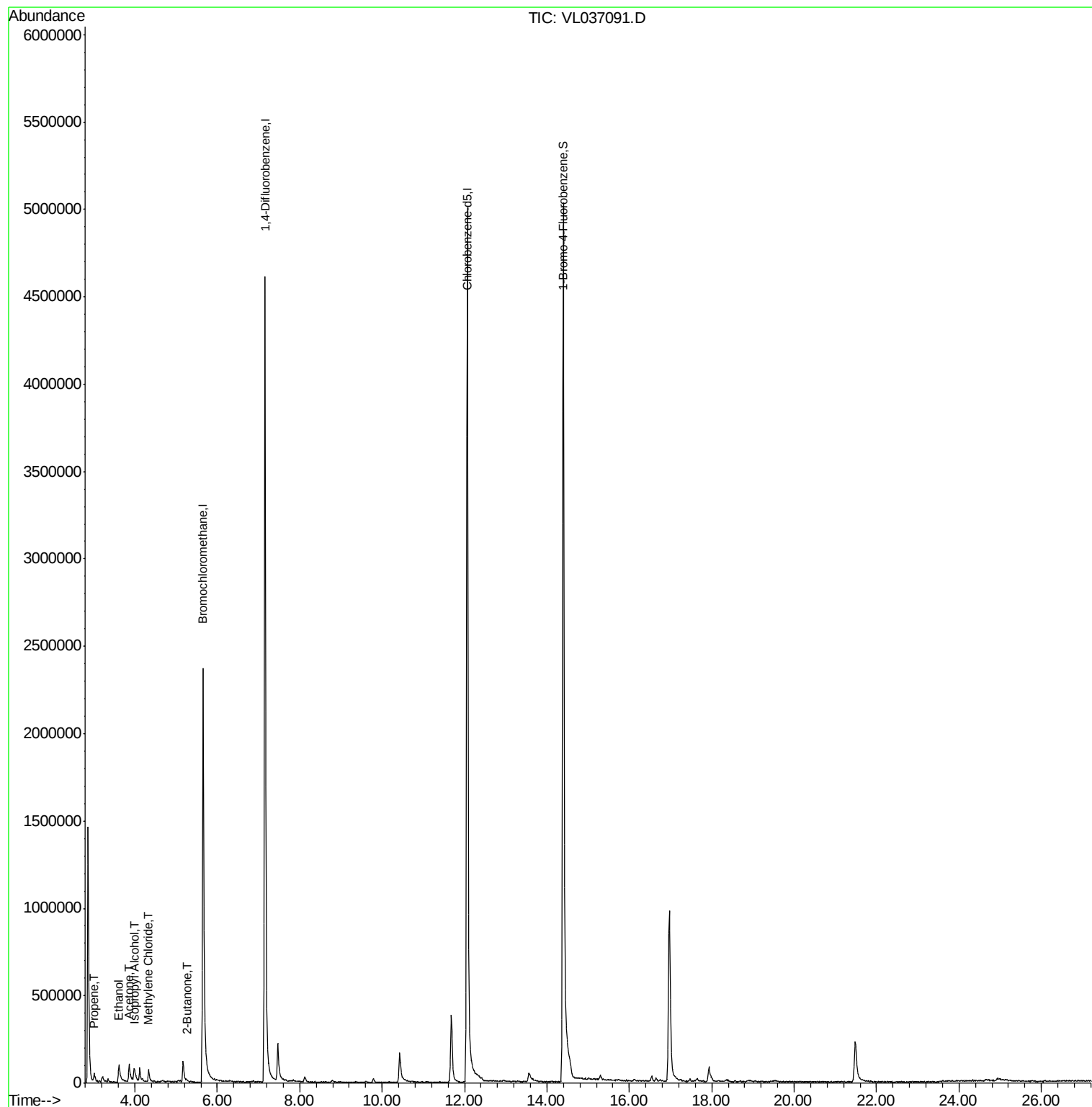
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060121\
Data File : VL037091.D
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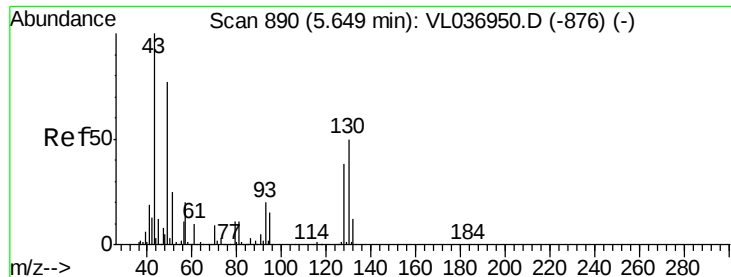
Instrument :
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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL037091.D

Acq: 2 Jun 2021 4:52

Instrument :

MSVOA_L

ClientSampleId :

IA-3ADL

Tot Ion: 49 Resp: 1417225

Ion Ratio Lower Upper

49 100

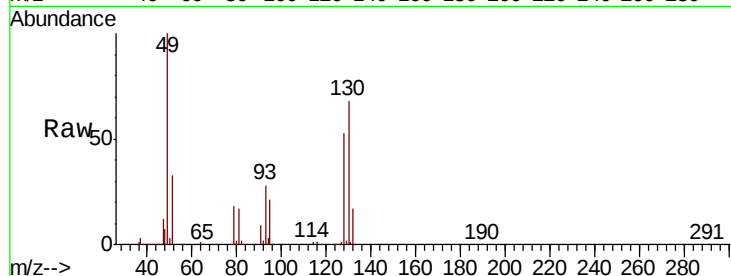
128 58.5 26.9 80.7

130 75.5 33.8 101.4

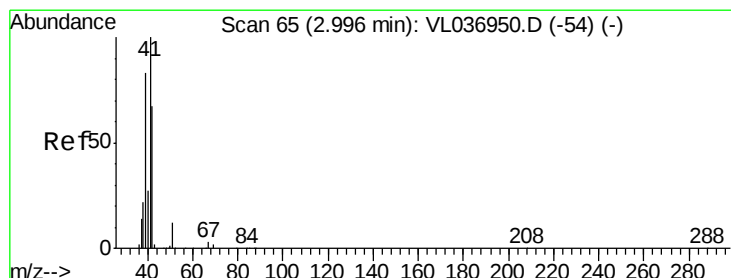
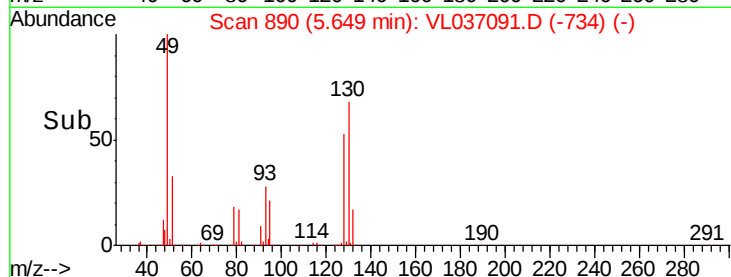
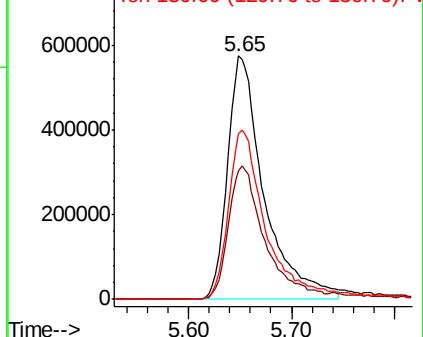
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.143 ppbv m

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037091.D

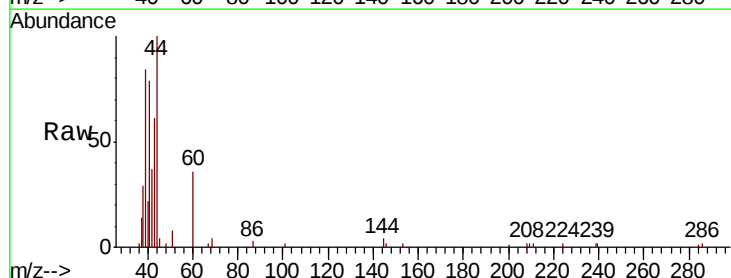
Acq: 2 Jun 2021 4:52

Tgt Ion: 41 Resp: 13266

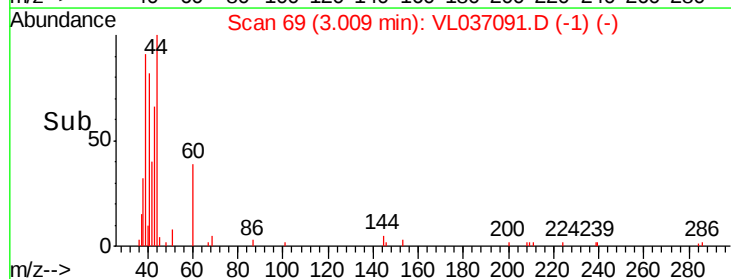
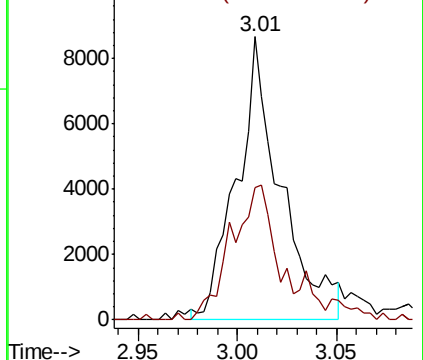
Ion Ratio Lower Upper

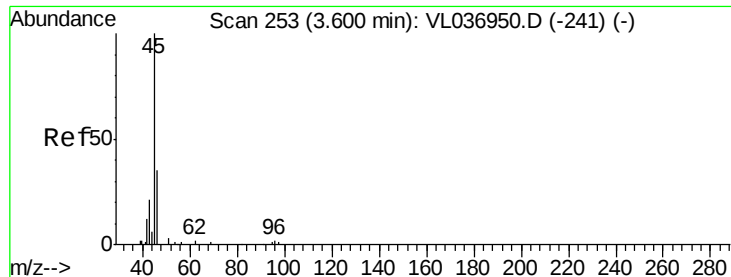
41 100

42 58.1 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0





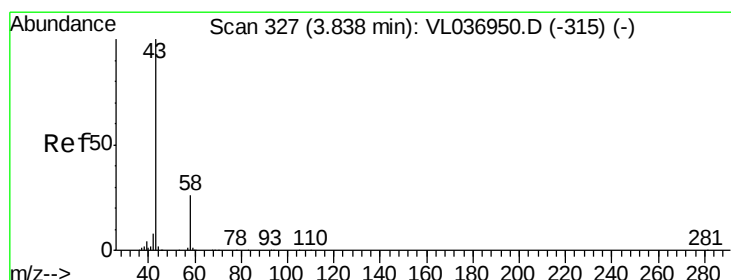
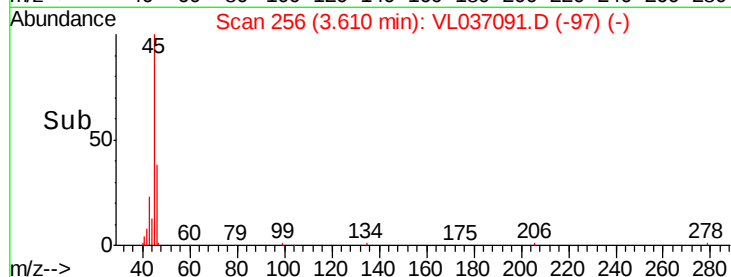
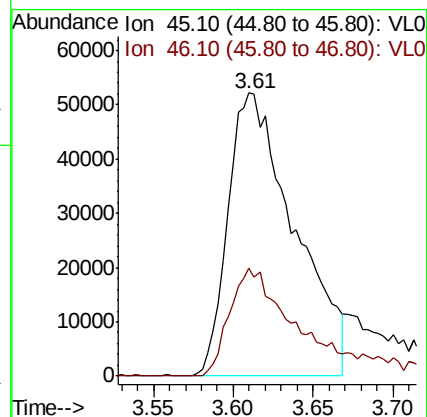
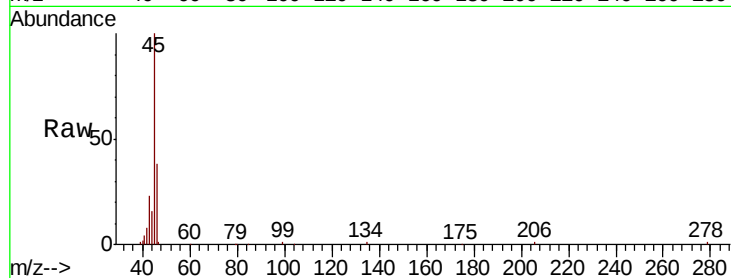
#13
Ethanol
Concen: 12.002 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.01 min
Lab File: VL037091.D
Acq: 2 Jun 2021 4:52

Instrument :
MSVOA_L
ClientSampleId :
IA-3ADL

Tot Ion	45	46	Ratio	Lower	Upper
Resp:	148877				
Ion	100	40.7			
			16.3	65.3	

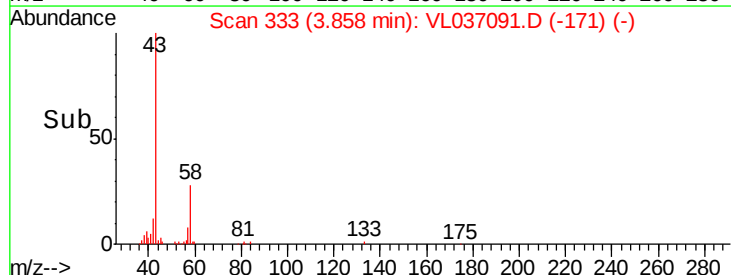
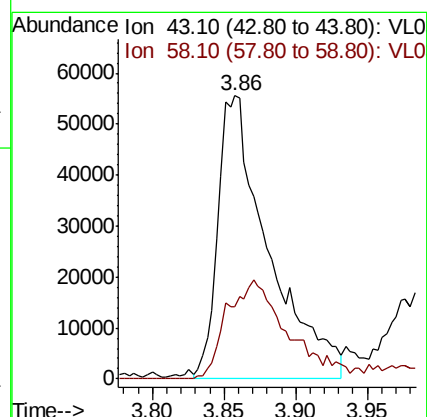
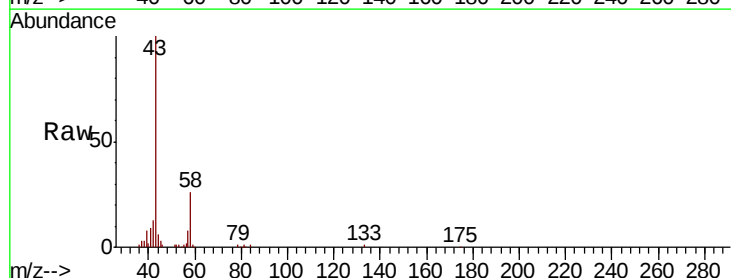
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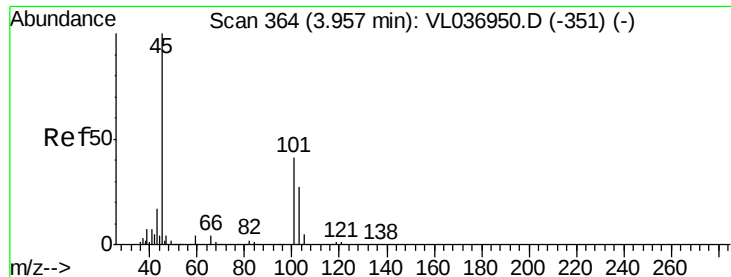
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#15
Acetone
Concen: 0.939 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037091.D
Acq: 2 Jun 2021 4:52

Tgt Ion	43	58	Ratio	Lower	Upper
Resp:	136258				
Ion	100	0.0			
			24.0	36.0#	





#19

Isopropyl Alcohol

Concen: 1.690 ppbv m

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL037091.D

Acq: 2 Jun 2021 4:52

Instrument :

MSVOA_L

ClientSampleId :

IA-3ADL

Tot Ion: 45 Resp: 131886

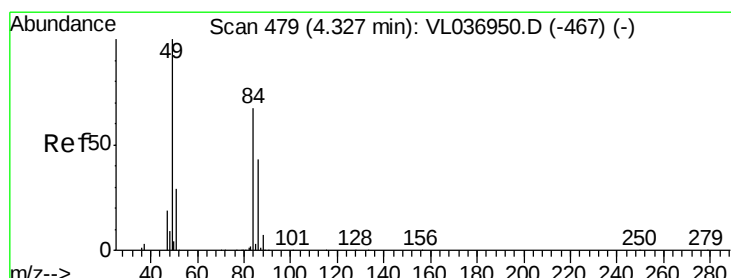
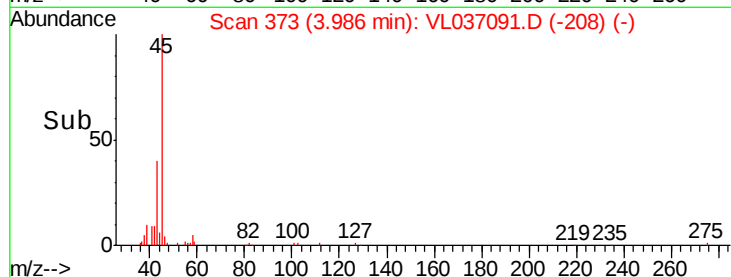
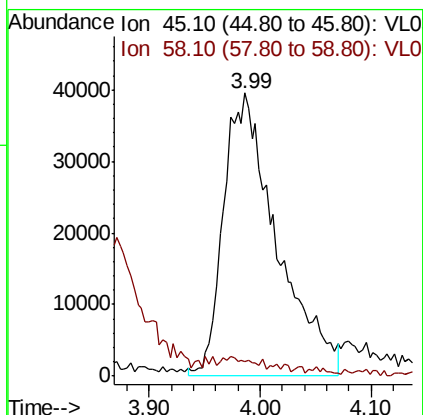
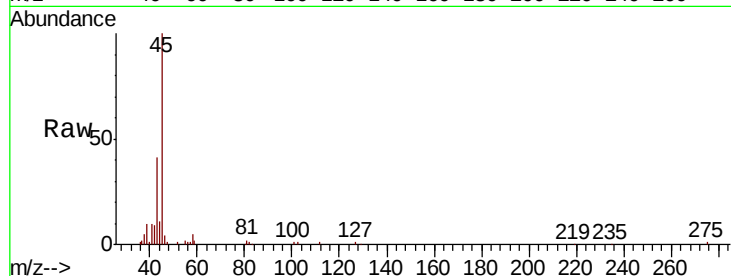
Ion Ratio Lower Upper

45 100

58 5.6 37.2 55.8#

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#20

Methylene Chloride

Concen: 0.398 ppbv m

RT: 4.33 min Scan# 479

Delta R.T. 0.00 min

Lab File: VL037091.D

Acq: 2 Jun 2021 4:52

Tgt Ion: 84 Resp: 30942

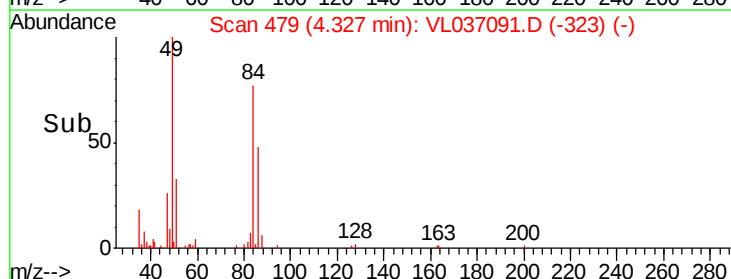
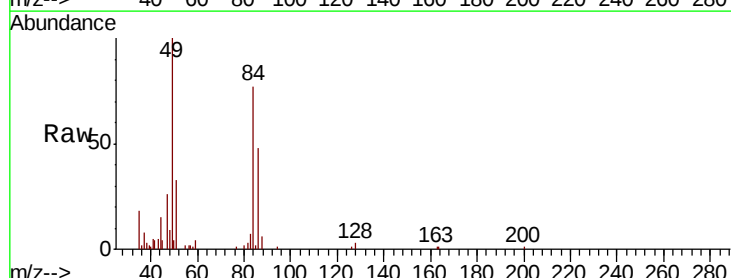
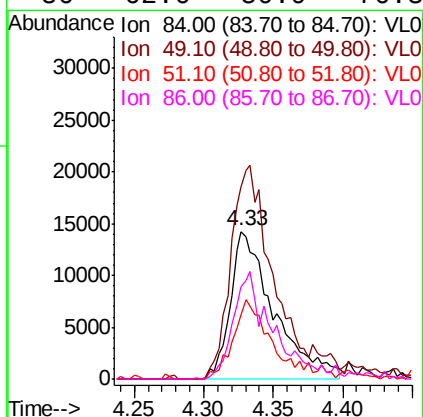
Ion Ratio Lower Upper

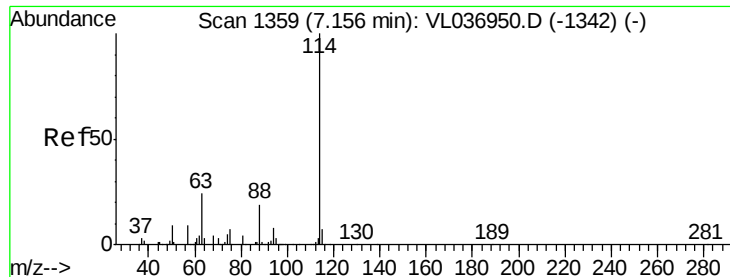
84 100

49 130.2 119.8 179.6

51 43.1 35.1 52.7

86 62.6 50.9 76.3





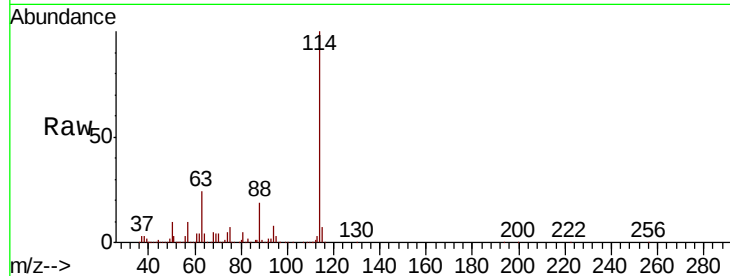
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. 0.00 min
 Lab File: VL037091.D
 Acq: 2 Jun 2021 4:52

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3ADL

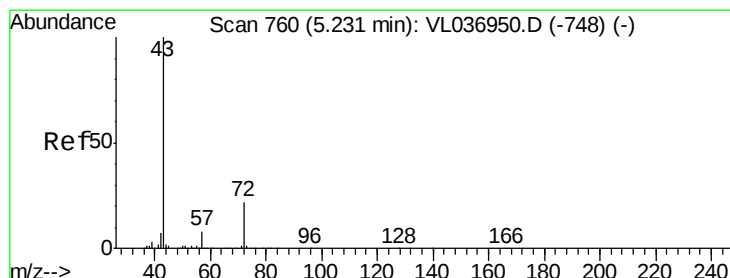
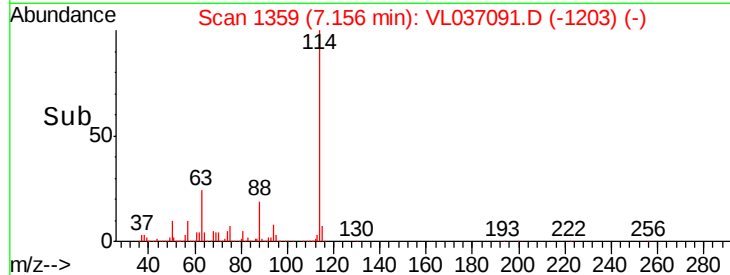
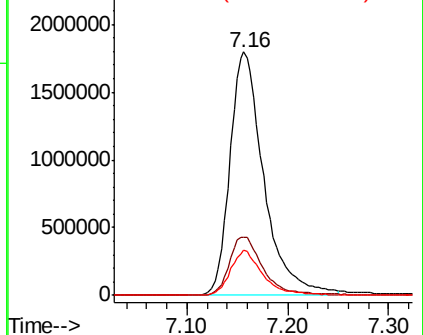
Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.6	29.4
88	18.0	14.6	21.8

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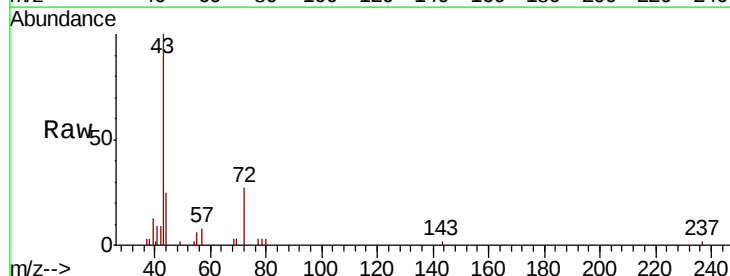


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

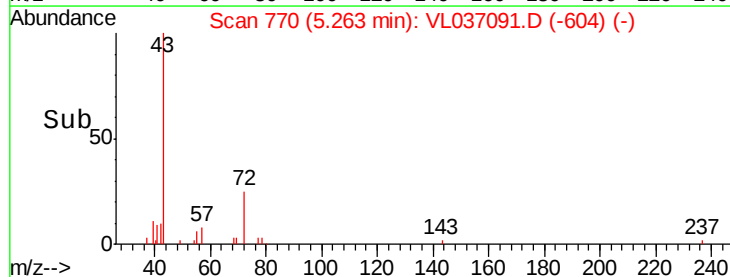
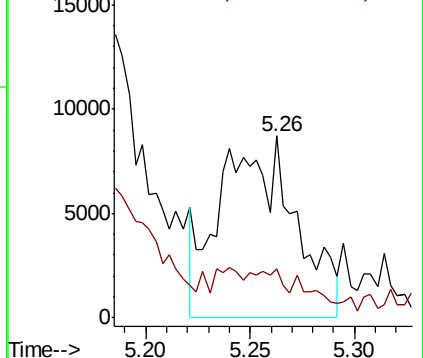


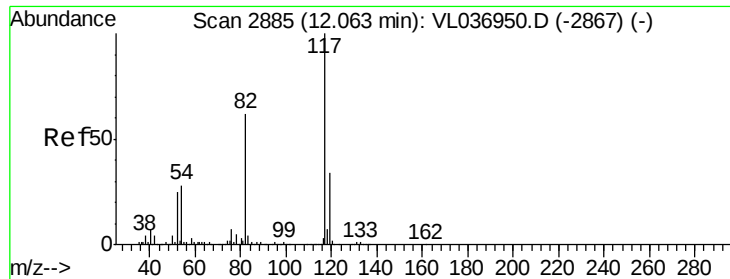
#34
 2-Butanone
 Concen: 0.141 ppbv m
 RT: 5.26 min Scan# 770
 Delta R.T. 0.03 min
 Lab File: VL037091.D
 Acq: 2 Jun 2021 4:52

Tgt Ion	Ratio	Lower	Upper
43	100		
72	28.9	19.0	28.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





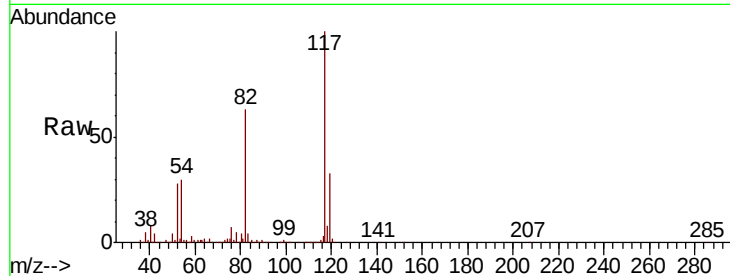
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL037091.D
Acq: 2 Jun 2021 4:52

Instrument :
MSVOA_L
ClientSampleId :
IA-3ADL

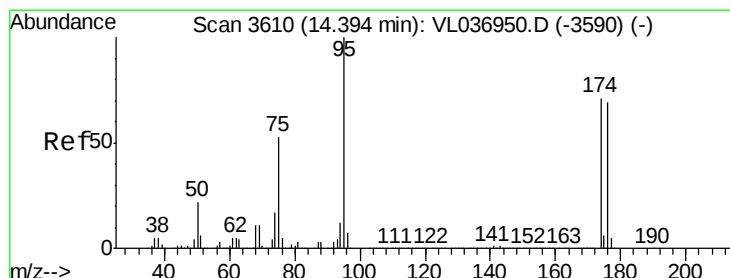
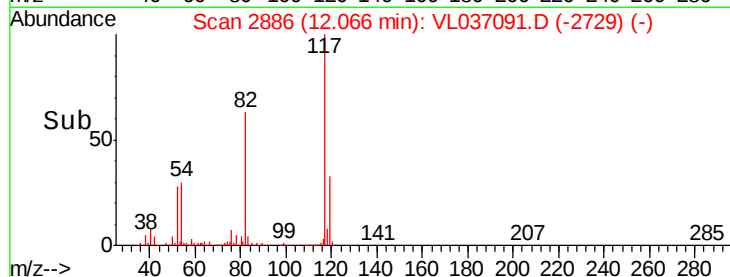
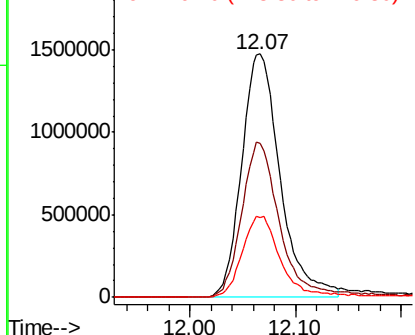
Tot Ion	Ratio	Lower	Upper
117	100		
82	65.3	52.6	79.0
119	34.2	46.6	70.0

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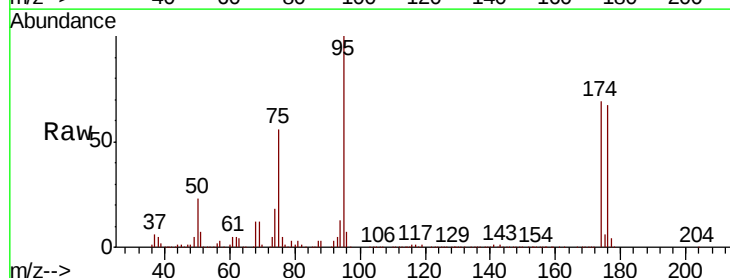


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.828 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL037091.D
Acq: 2 Jun 2021 4:52

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.5	58.4	87.6
175	5.3	4.4	6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

