

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037302.D
 Acq On : 31 Jul 2021 3:58
 Operator : SY/AP
 Sample : M3121-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-3DL

Manual Integrations
 APPROVED

MMDadoda
 8/2/2021 8:58:31 AM

Quant Time: Jul 31 07:51:01 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 31 2021
 QLast Update : Fri Jul 30 23:19:30 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1092315	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3509951	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.09	117	3149165	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2202389	9.61	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	55796	0.255	ppbv #	91
9) Propene	3.01	41	11357m	0.154	ppbv	
13) Ethanol	3.62	45	32603m	2.015	ppbv	
15) Acetone	3.86	43	129990m	0.661	ppbv	
20) Methylene Chloride	4.34	84	91592	1.203	ppbv	94
26) Hexane	5.68	57	44787	0.294	ppbv #	52
34) 2-Butanone	5.27	43	25485m	0.169	ppbv	

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

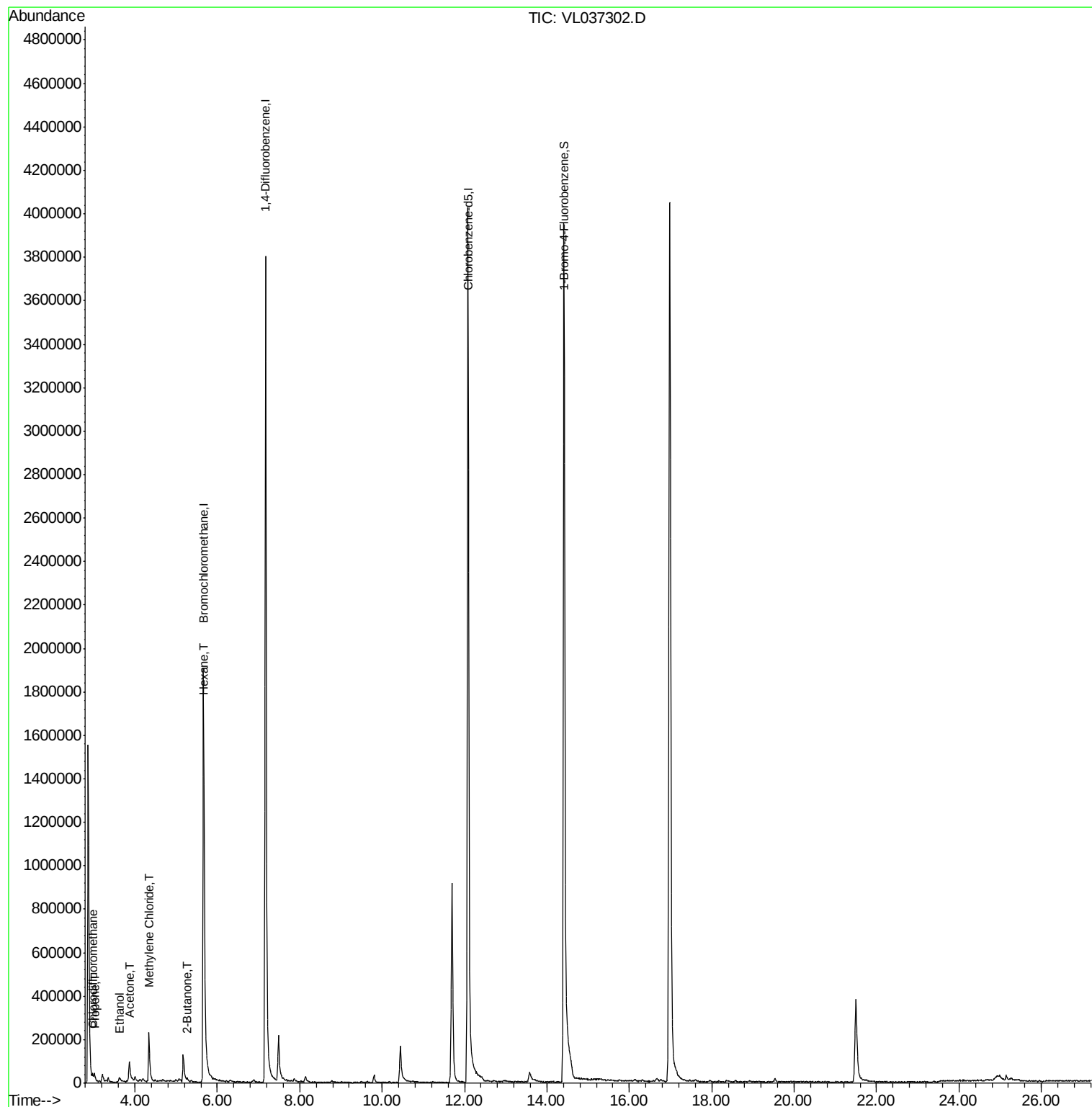
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
Data File : VL037302.D
Acq On : 31 Jul 2021 3:58
Operator : SY/AP
Sample : M3121-02DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

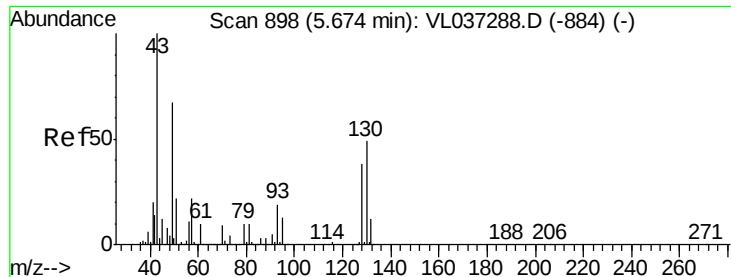
Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-3DL

Manual Integrations
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8/2/2021 8:58:31 AM

Quant Time: Jul 31 07:51:01 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul
QLast Update : Fri Jul 30 23:19:30 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL037302.D

Acq: 31 Jul 2021 3:58

Instrument :

MSVOA_L

ClientSampleId :

IA-BEDROOM-3DL

Tot Ion: 49 Resp: 1092315

Ion Ratio Lower Upper

49 100

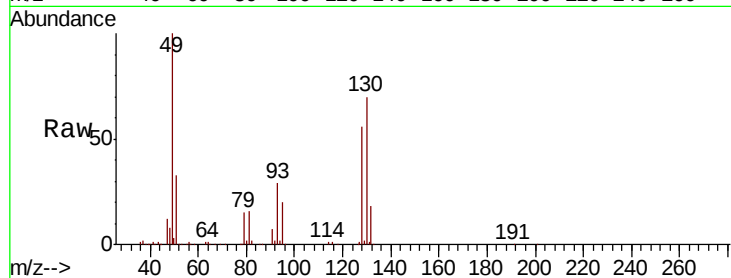
128 62.4 30.6 92.0

130 78.8 37.8 113.4

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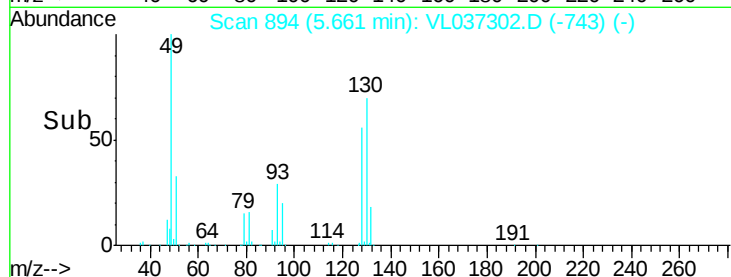
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

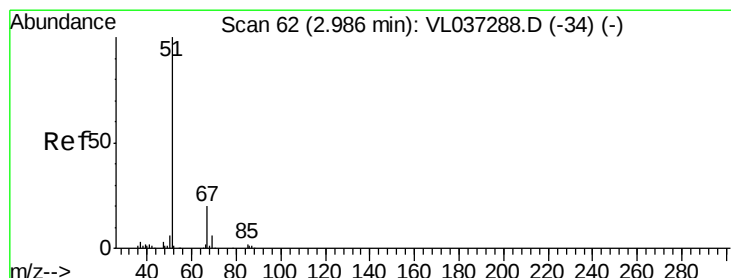
Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 0.255 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL037302.D

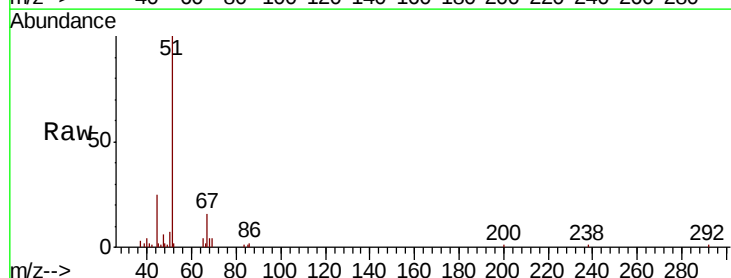
Acq: 31 Jul 2021 3:58

Tgt Ion: 51 Resp: 55796

Ion Ratio Lower Upper

51 100

67 15.1 15.2 22.8#

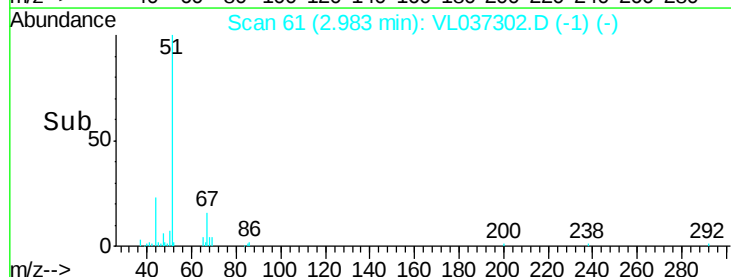


Abundance Ion 51.00 (50.70 to 51.70): VL0

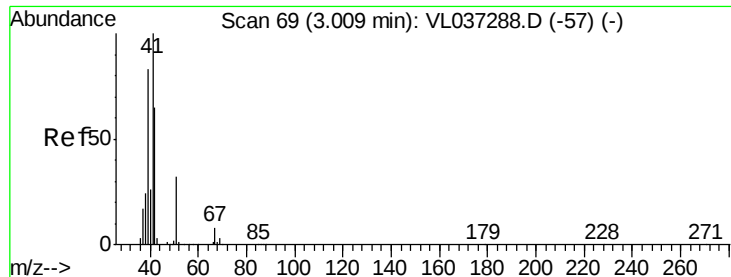
Ion 67.00 (66.70 to 67.70): VL0

2.98

Time-->



Time-->



#9

Propene

Concen: 0.154 ppbv m

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL037302.D

Acq: 31 Jul 2021 3:58

Instrument :

MSVOA_L

ClientSampleId :

IA-BEDROOM-3DL

Tot Ion: 41 Resp: 11357

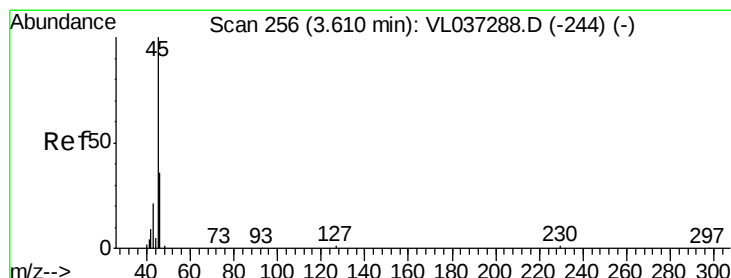
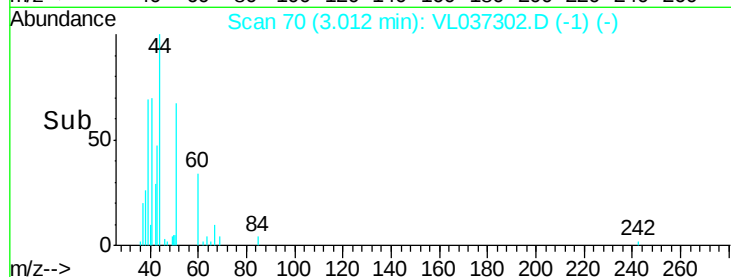
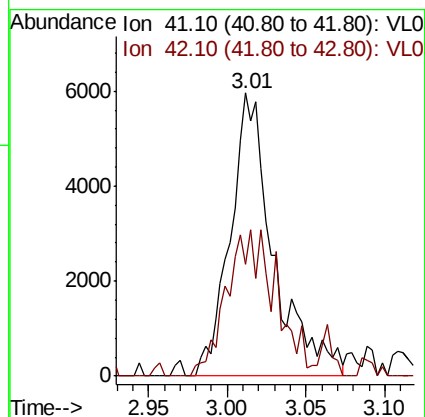
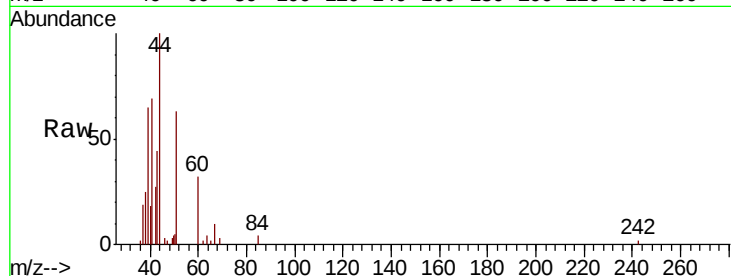
Ion Ratio Lower Upper

41 100

42 62.8 54.0 81.0

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#13

Ethanol

Concen: 2.015 ppbv m

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL037302.D

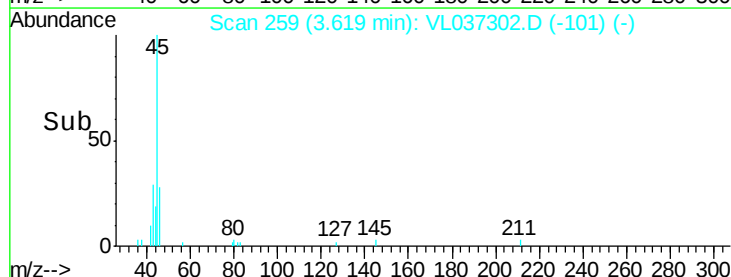
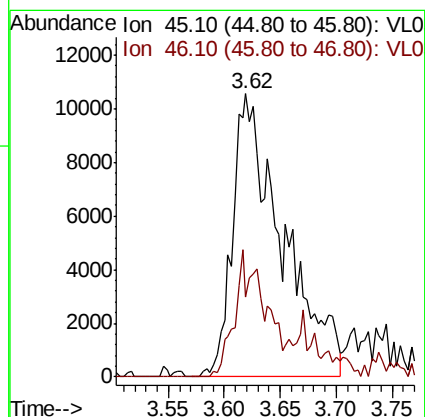
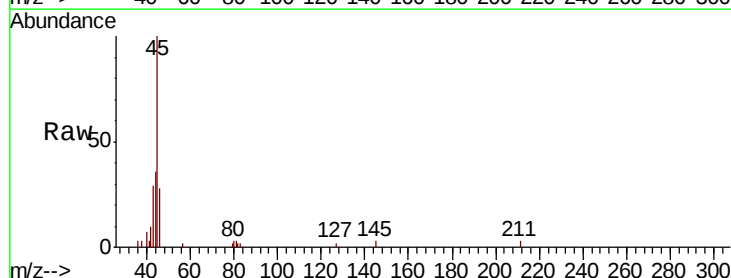
Acq: 31 Jul 2021 3:58

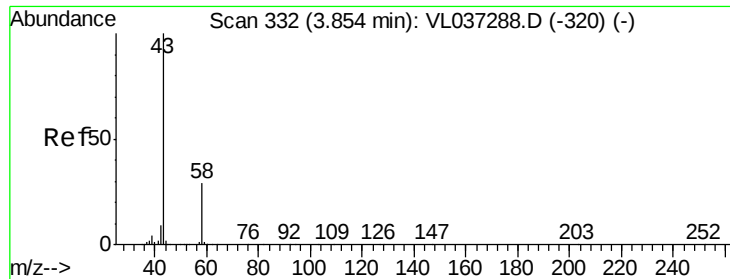
Tgt Ion: 45 Resp: 32603

Ion Ratio Lower Upper

45 100

46 26.8 16.2 64.8





#15

Acetone

Concen: 0.661 ppbv m

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL037302.D

Acq: 31 Jul 2021 3:58

Instrument :

MSVOA_L

ClientSampleId :

IA-BEDROOM-3DL

Tot Ion: 43 Resp: 129990

Ion Ratio Lower Upper

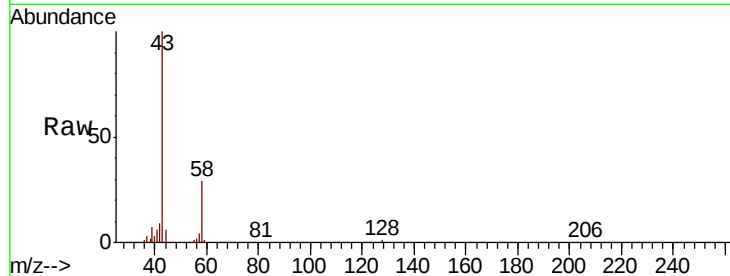
43 100

58 51.3 24.2 36.4#

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.86

60000

50000

40000

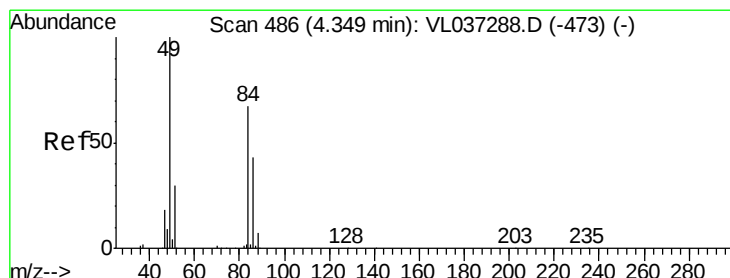
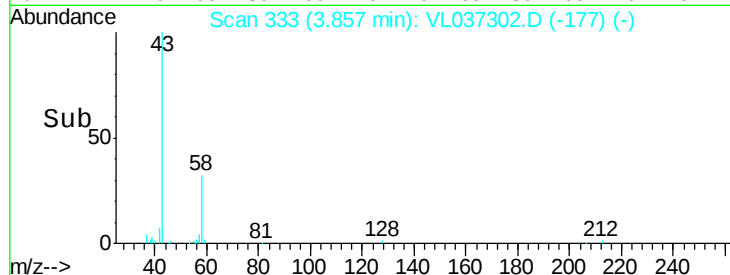
30000

20000

10000

0

Time-->



#20

Methylene Chloride

Concen: 1.203 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL037302.D

Acq: 31 Jul 2021 3:58

Tgt Ion: 84 Resp: 91592

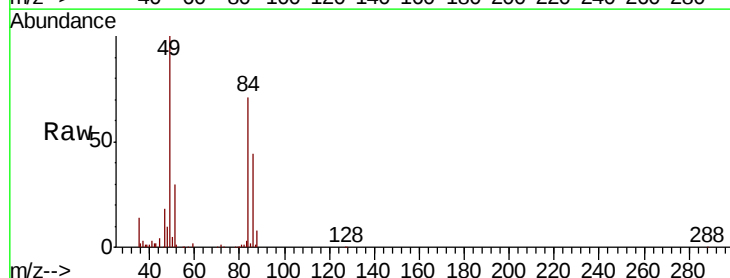
Ion Ratio Lower Upper

84 100

49 140.8 120.2 180.4

51 41.9 36.5 54.7

86 62.1 51.3 76.9



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

100000

80000

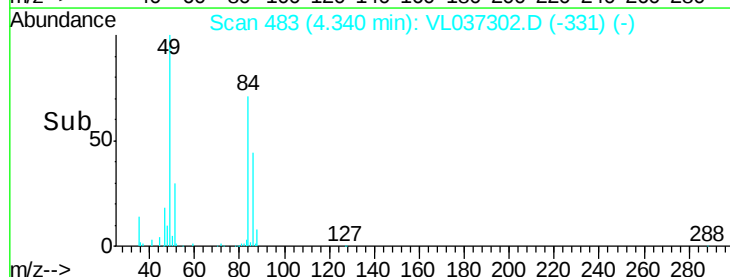
60000

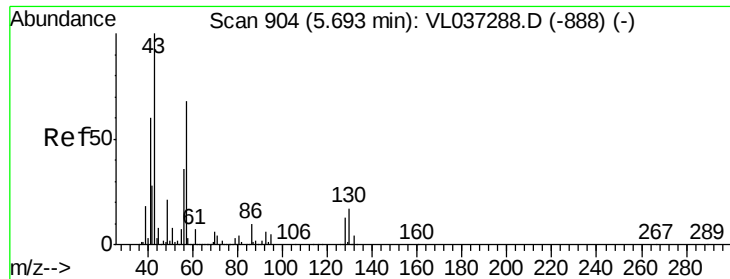
40000

20000

0

Time-->





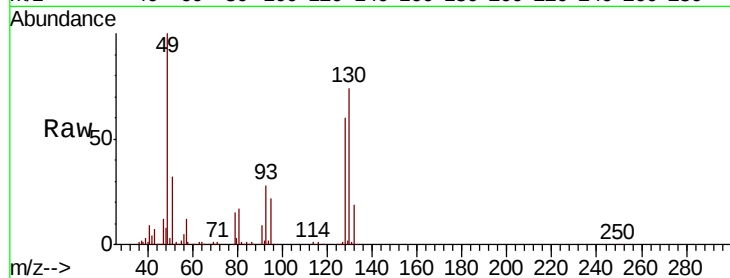
#26
Hexane
Concen: 0.294 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL037302.D
Acq: 31 Jul 2021 3:58

Instrument :
MSVOA_L
ClientSampleId :
IA-BEDROOM-3DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	101.9	71.0	106.6
43	84.5	155.0	232.4#
56	61.5	42.0	63.0

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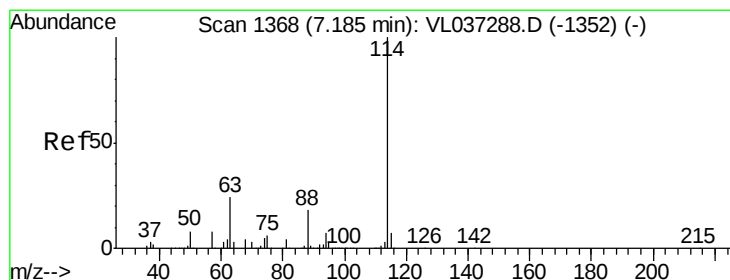
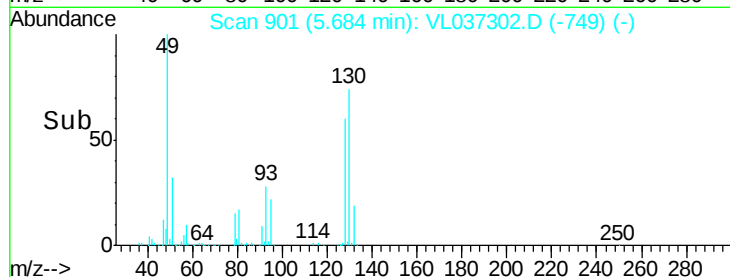
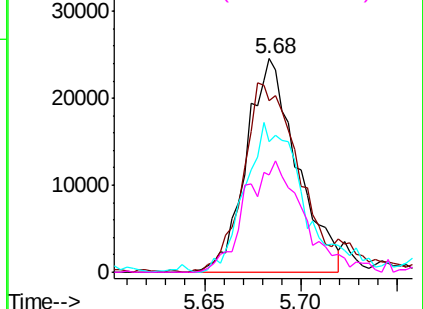
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

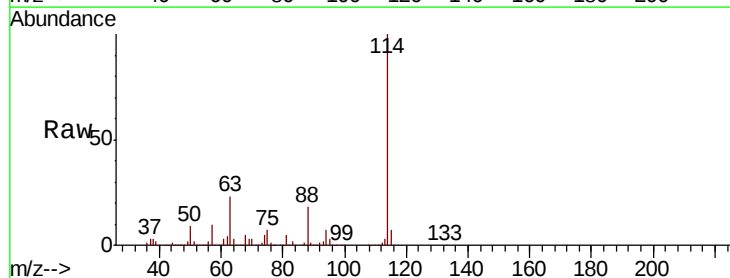
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL037302.D
Acq: 31 Jul 2021 3:58

Tgt Ion	Ratio	Lower	Upper
114	100		
63	23.2	19.0	28.4
88	17.3	14.0	21.0

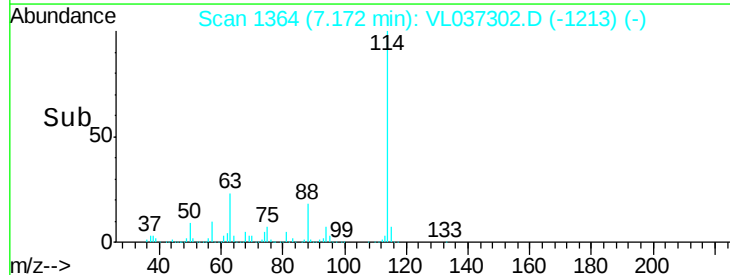
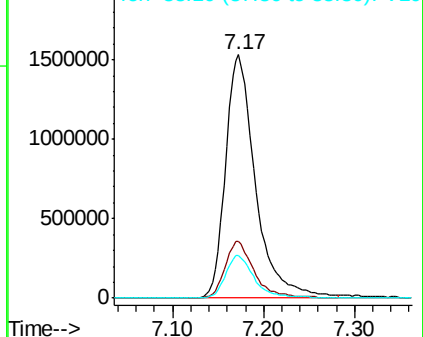


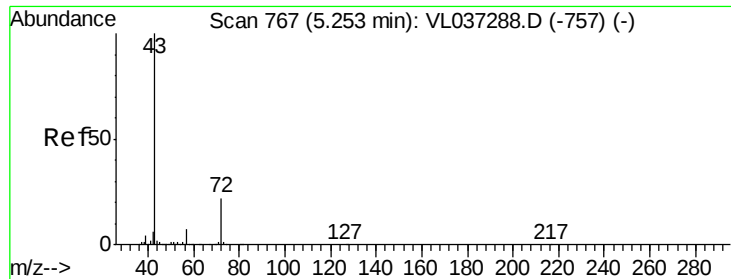
Abundance

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





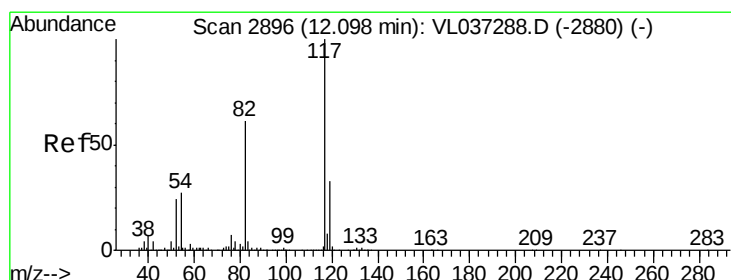
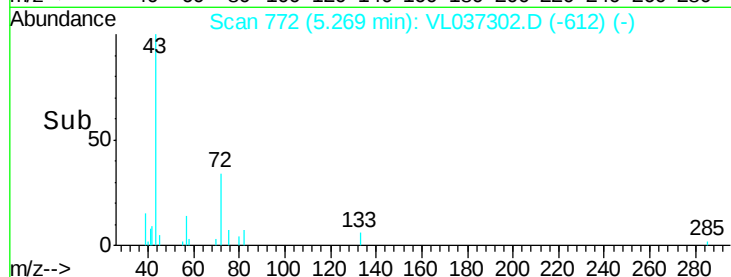
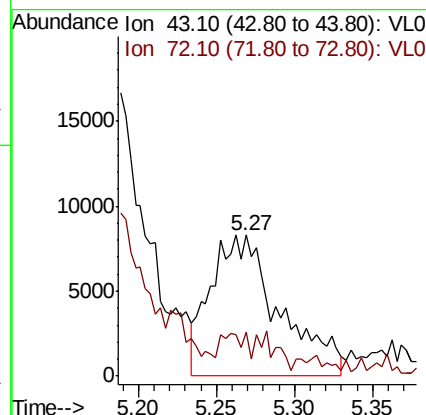
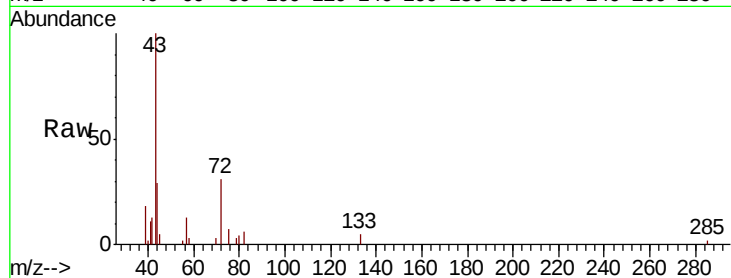
#34
2-Butanone
Concen: 0.169 ppbv m
RT: 5.27 min Scan# 772
Delta R.T. 0.02 min
Lab File: VL037302.D
Acq: 31 Jul 2021 3:58

Instrument :
MSVOA_L
ClientSampled :
IA-BEDROOM-3DL

Tot Ion	43	Resp	25485
Ion Ratio	Lower	Upper	
43	100		
72	0.0	18.5	27.7#

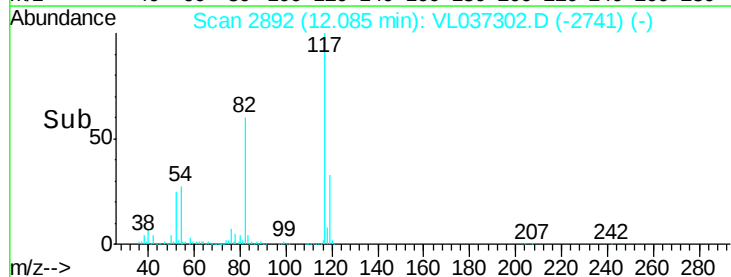
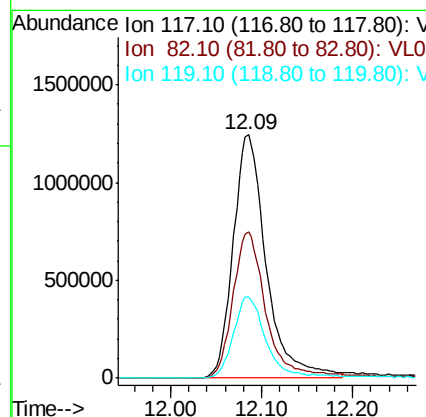
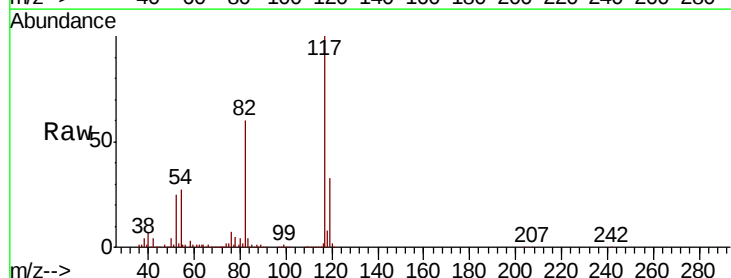
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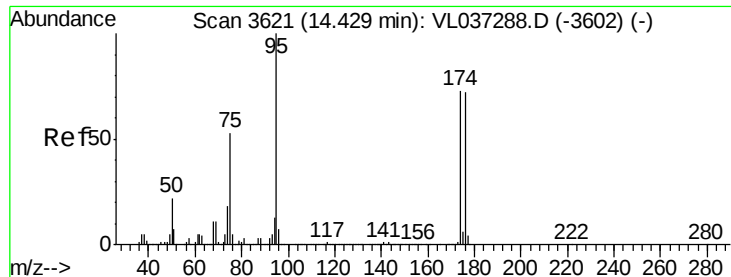
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037302.D
Acq: 31 Jul 2021 3:58

Tgt Ion	117	Resp	3149165
Ion Ratio	Lower	Upper	
117	100		
82	61.4	47.2	70.8
119	33.6	45.8	68.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.613 ppbv
 RT: 14.41 min Scan# 3616
 Delta R.T. -0.02 min
 Lab File: VL037302.D
 Acq: 31 Jul 2021 3:58

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-BEDROOM-3DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	79.5	59.8	89.6
175	6.1	4.5	6.7

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