

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL073021\
 Data File : VL037300.D
 Acq On : 31 Jul 2021 2:38
 Operator : SY/AP
 Sample : M3121-01REDL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-PLAY-ROOM-1REDL

Manual Integrations
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 8/2/2021 8:58:14 AM

Quant Time: Jul 31 03:36:37 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	1101714	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3550916	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.08	117	3180840	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2306025	9.96	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	45819	0.208	ppbv	99
9) Propene	3.01	41	13385m	0.180	ppbv	
13) Ethanol	3.62	45	31442m	1.926	ppbv	
15) Acetone	3.86	43	114911	0.579	ppbv #	54
19) Isopropyl Alcohol	3.98	45	31015m	0.404	ppbv	
20) Methylene Chloride	4.34	84	76269m	0.993	ppbv	
26) Hexane	5.68	57	47952	0.312	ppbv #	52
34) 2-Butanone	5.26	43	26903m	0.177	ppbv	
53) Toluene	9.80	91	62817m	0.178	ppbv	

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

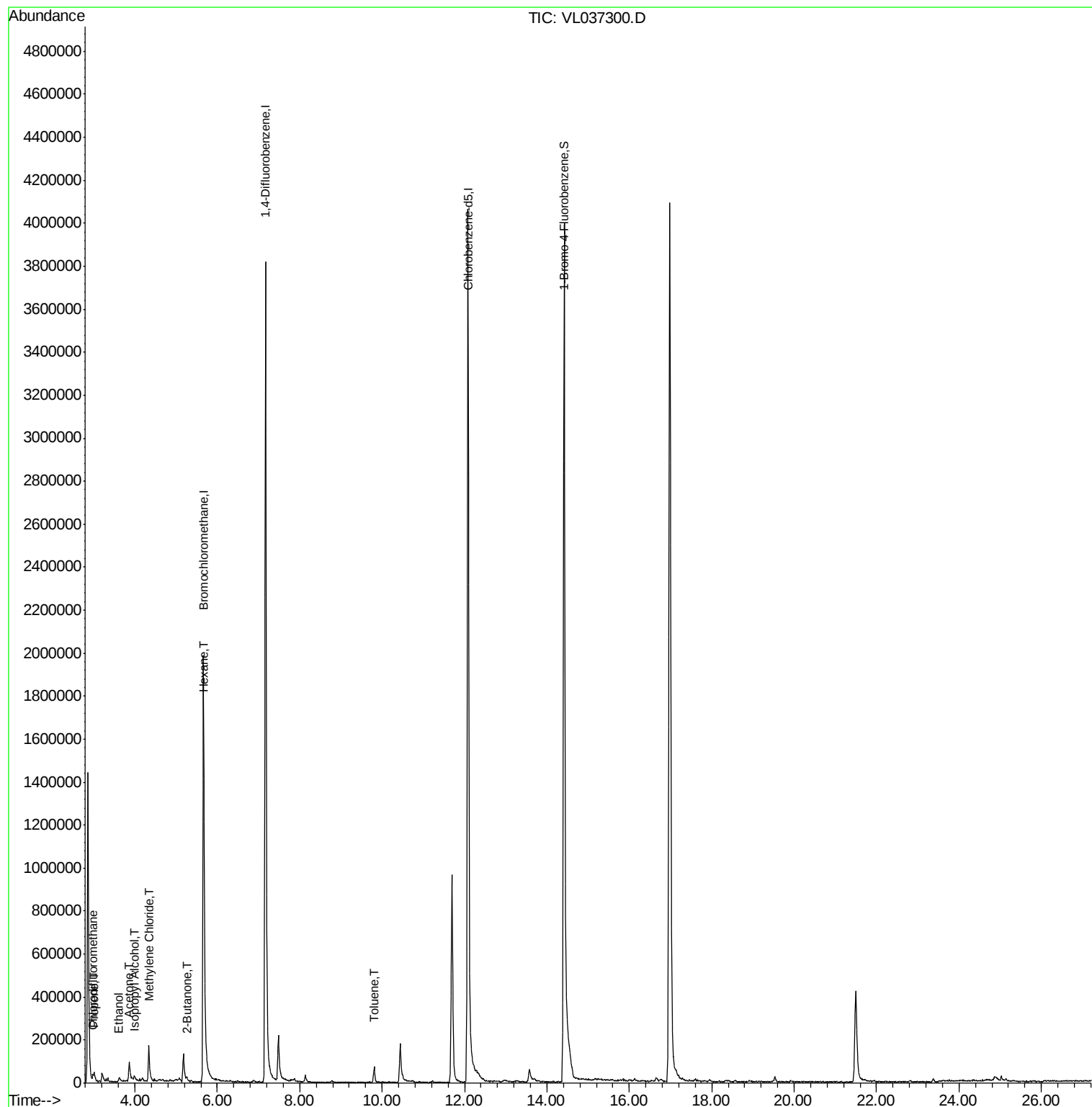
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL073021\
Data File : VL037300.D
Acq On : 31 Jul 2021 2:38
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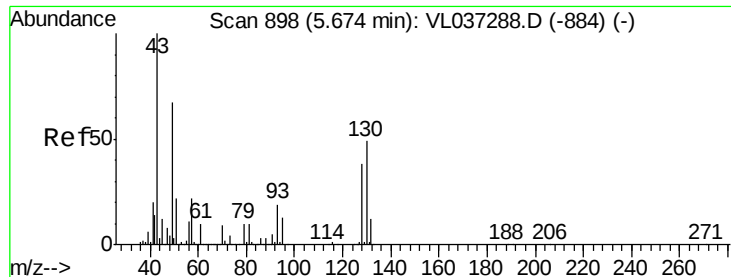
Instrument :
MSVOA_L
ClientSampleId :
IA-PLAY-ROOM-1REDL

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Quant Time: Jul 31 03:36:37 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: VL037300.D

Acq: 31 Jul 2021 2:38

Instrument :

MSVOA_L

ClientSampleId :

IA-PLAY-ROOM-1REDL

Tot Ion: 49 Resp: 1101714

Ion Ratio Lower Upper

49 100

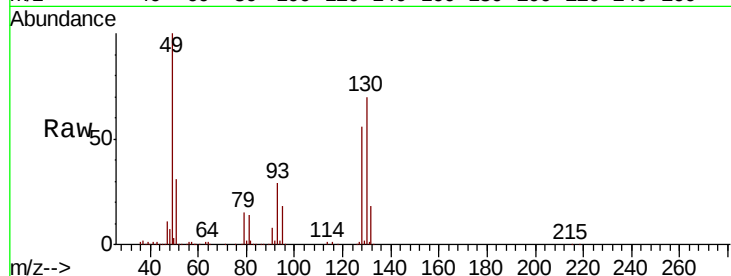
128 62.5 30.6 92.0

130 80.5 37.8 113.4

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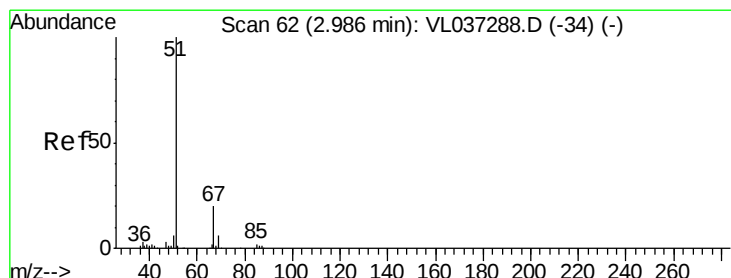
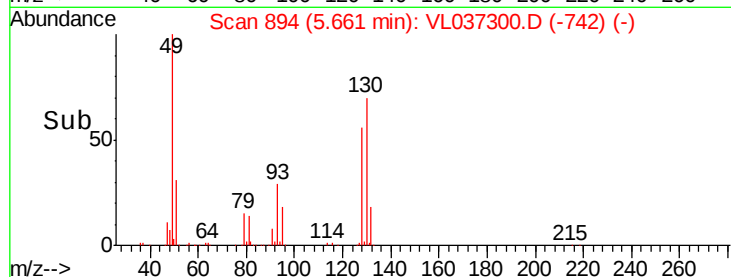
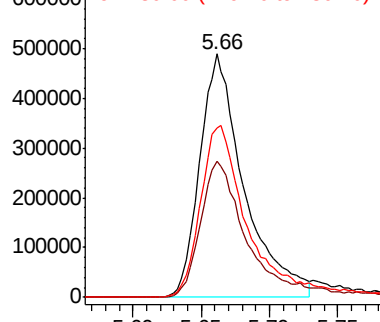
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.208 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL037300.D

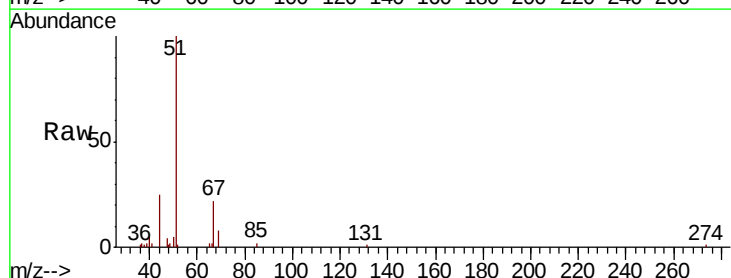
Acq: 31 Jul 2021 2:38

Tgt Ion: 51 Resp: 45819

Ion Ratio Lower Upper

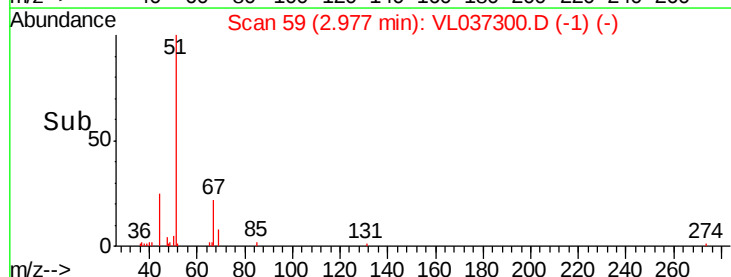
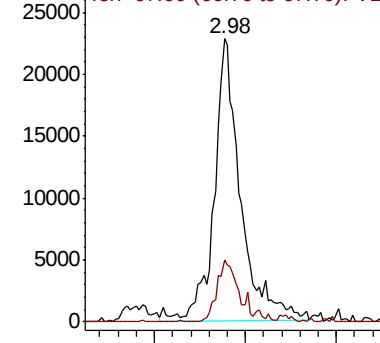
51 100

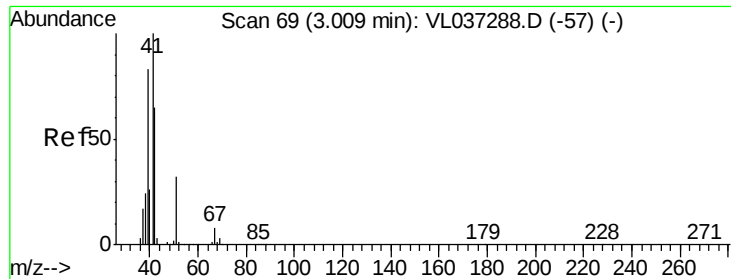
67 19.3 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.180 ppbv m

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL037300.D

Acq: 31 Jul 2021 2:38

Instrument :

MSVOA_L

ClientSampleId :

IA-PLAY-ROOM-1REDL

Tot Ion: 41 Resp: 13385

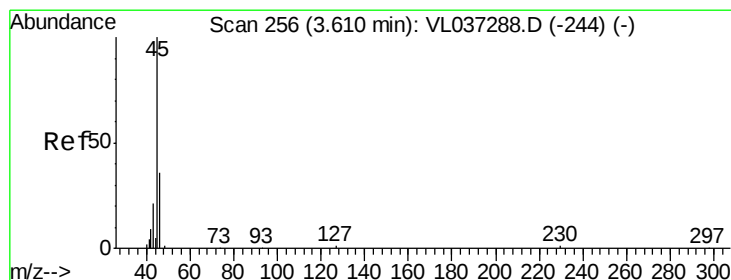
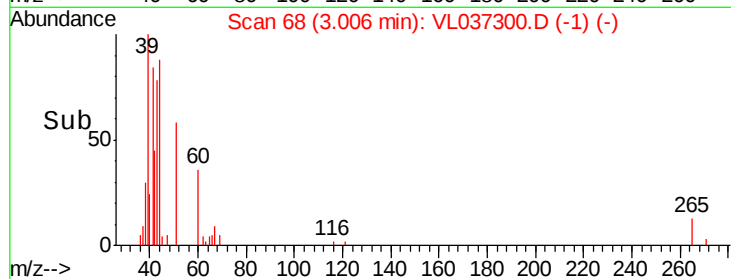
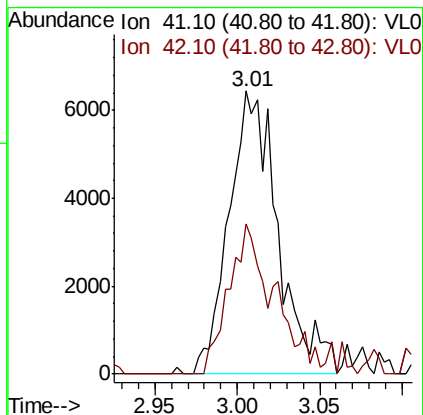
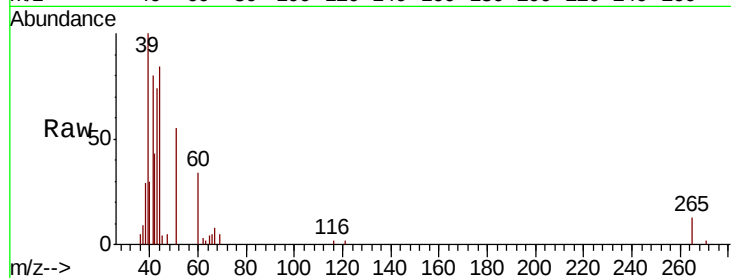
Ion Ratio Lower Upper

41 100

42 50.4 54.0 81.0#

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#13

Ethanol

Concen: 1.926 ppbv m

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL037300.D

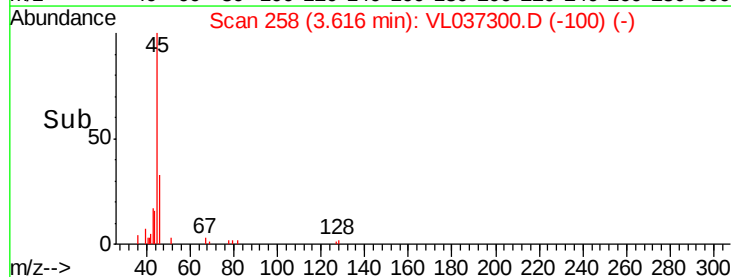
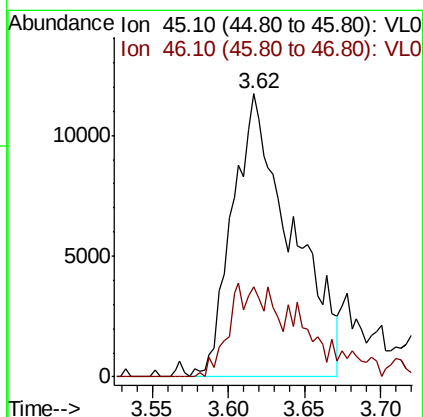
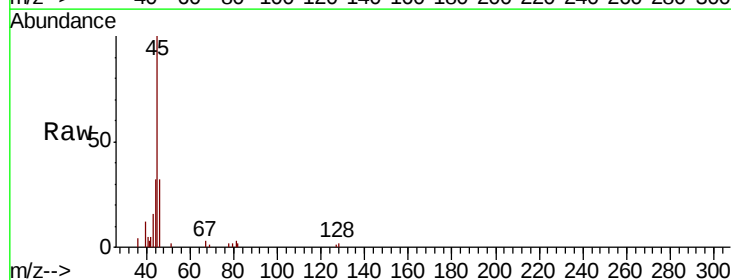
Acq: 31 Jul 2021 2:38

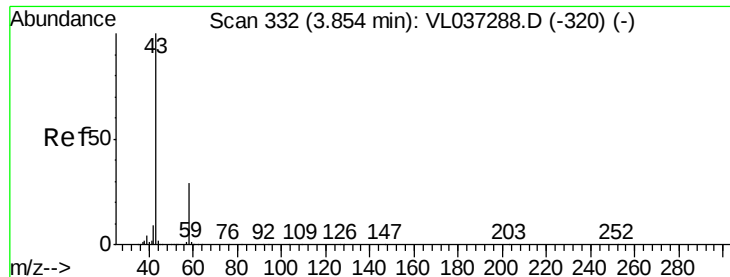
Tgt Ion: 45 Resp: 31442

Ion Ratio Lower Upper

45 100

46 40.5 16.2 64.8





#15

Acetone

Concen: 0.579 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.00 min

Lab File: VL037300.D

Acq: 31 Jul 2021 2:38

Instrument :

MSVOA_L

ClientSampleId :

IA-PLAY-ROOM-1REDL

Tot Ion: 43 Resp: 114911

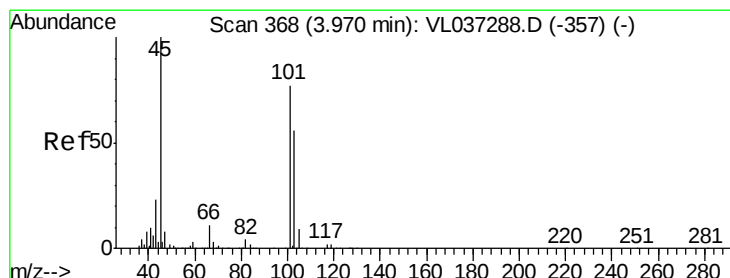
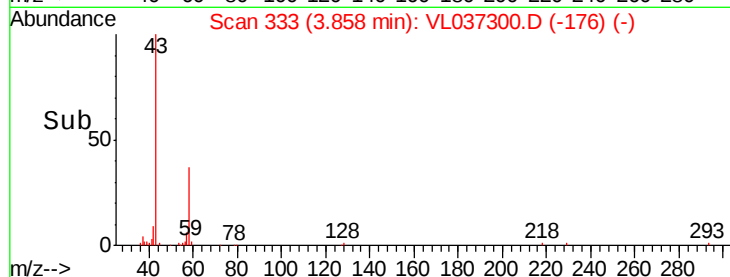
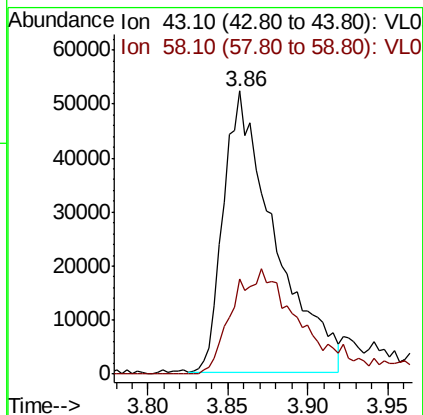
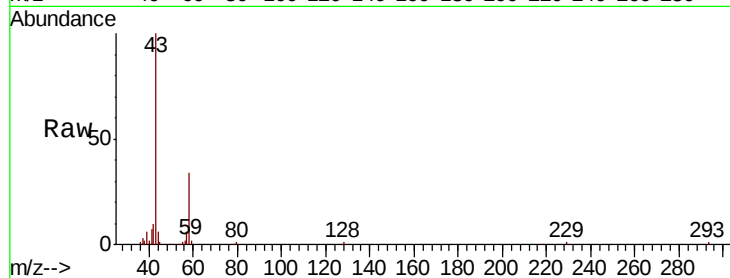
Ion Ratio Lower Upper

43 100

58 55.3 24.2 36.4#

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#19

Isopropyl Alcohol

Concen: 0.404 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.01 min

Lab File: VL037300.D

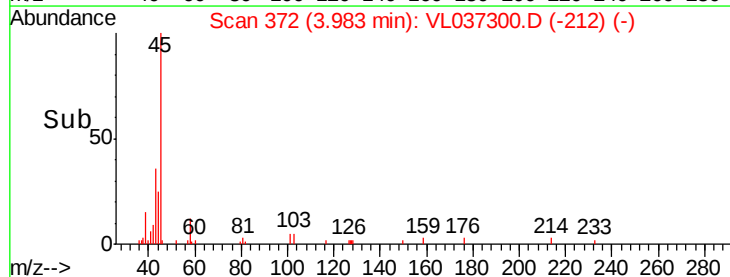
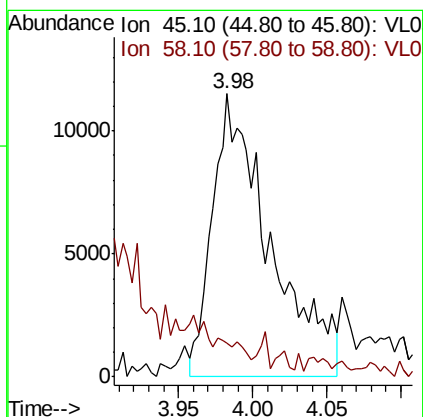
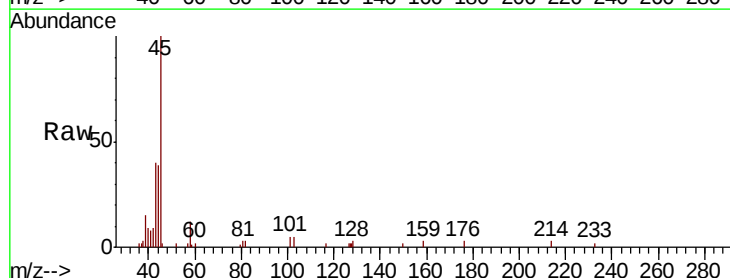
Acq: 31 Jul 2021 2:38

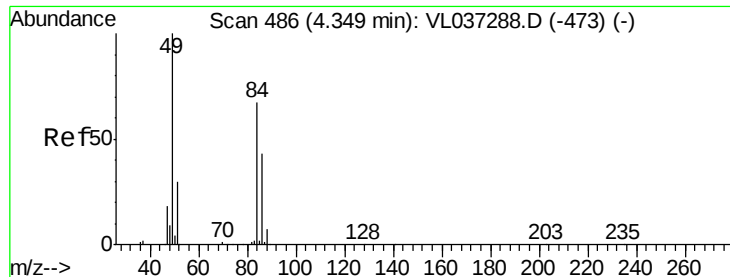
Tgt Ion: 45 Resp: 31015

Ion Ratio Lower Upper

45 100

58 0.0 2.2 3.2#





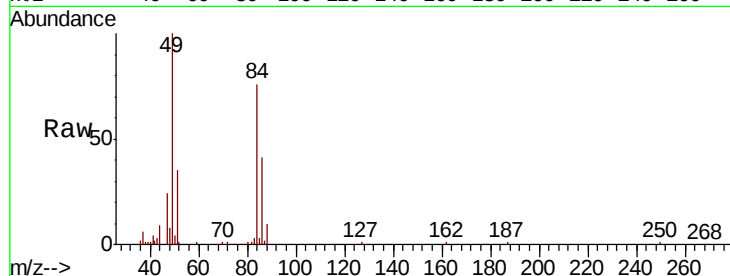
#20
Methvlene Chloride
Concen: 0.993 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL037300.D
Acq: 31 Jul 2021 2:38

Instrument :
MSVOA_L
ClientSampleId :
IA-PLAY-ROOM-1REDL

Tot Ion	84	Resp	76269
Ion	Ratio	Lower	Upper
84	100		
49	130.8	120.2	180.4
51	45.7	36.5	54.7
86	53.6	51.3	76.9

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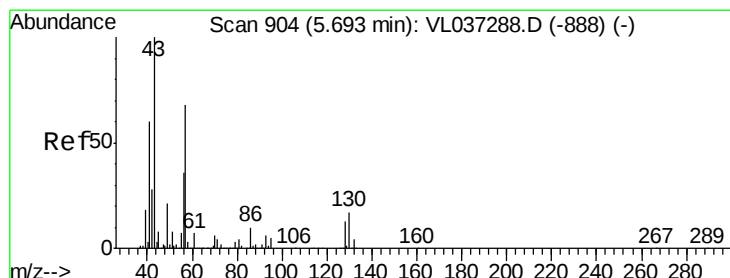
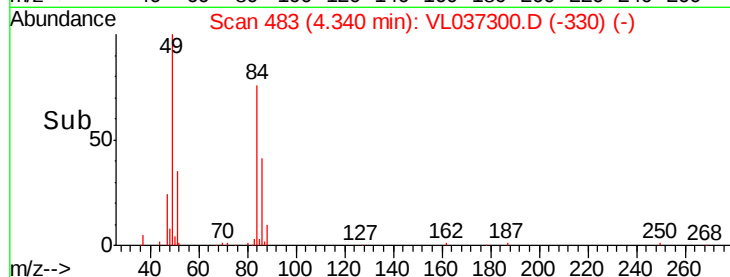
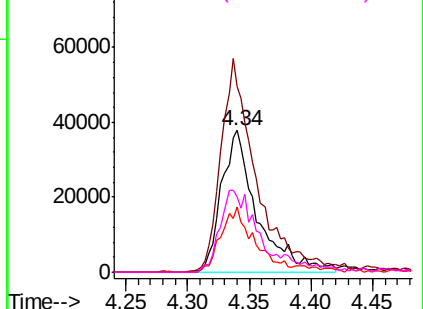
Abundance

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



#26
Hexane
Concen: 0.312 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL037300.D
Acq: 31 Jul 2021 2:38

Tgt Ion	57	Resp	47952
Ion	Ratio	Lower	Upper
57	100		
41	100.5	71.0	106.6
43	80.4	155.0	232.4#
56	55.5	42.0	63.0

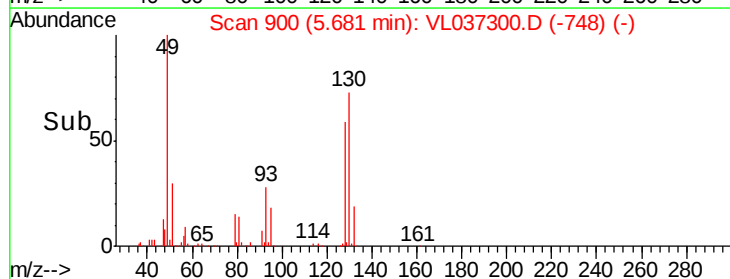
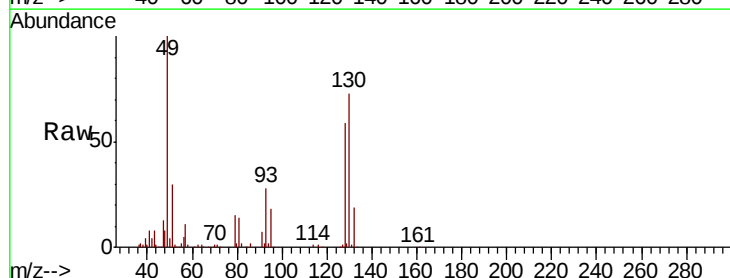
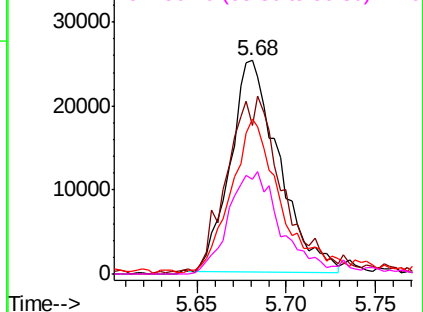
Abundance

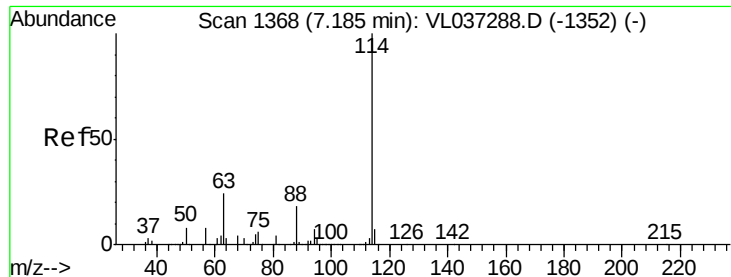
Ion 57.10 (56.80 to 57.80): VL0

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





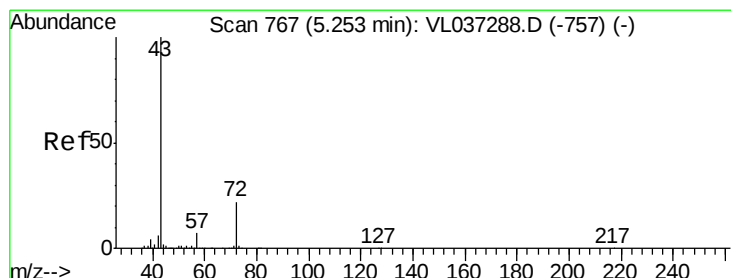
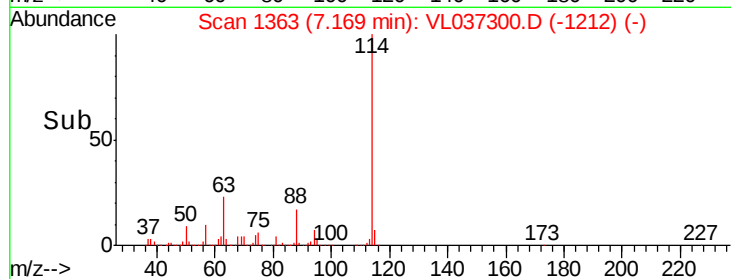
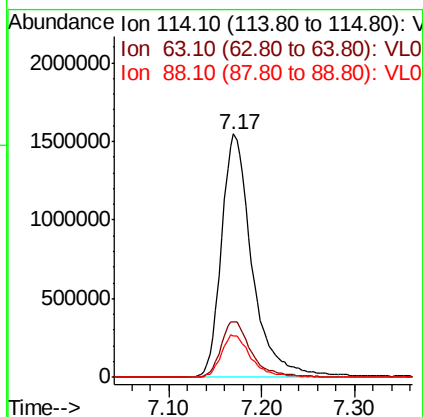
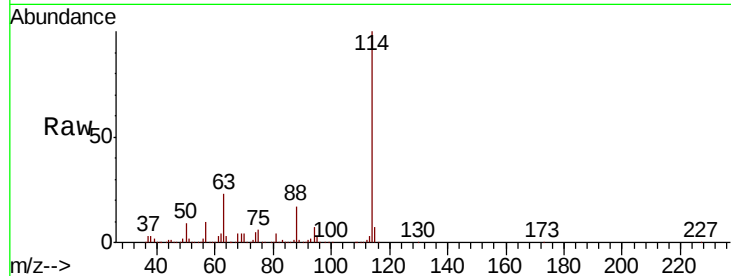
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.02 min
 Lab File: VL037300.D
 Acq: 31 Jul 2021 2:38

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-PLAY-ROOM-1REDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.0	19.0	28.4
88	17.4	14.0	21.0

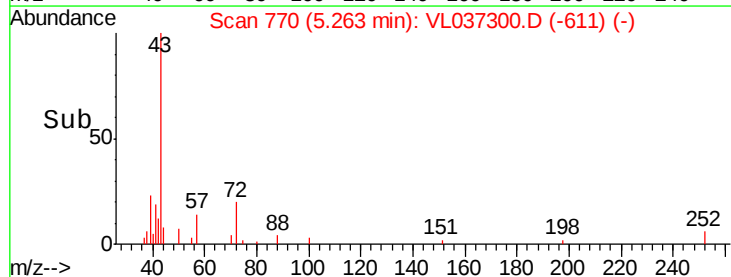
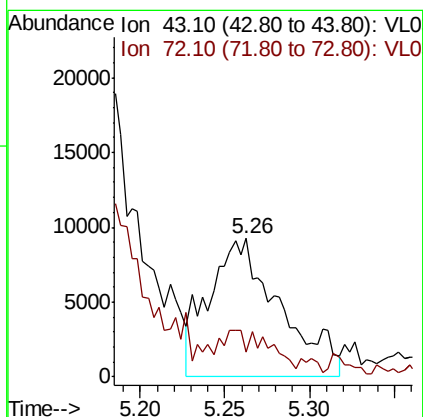
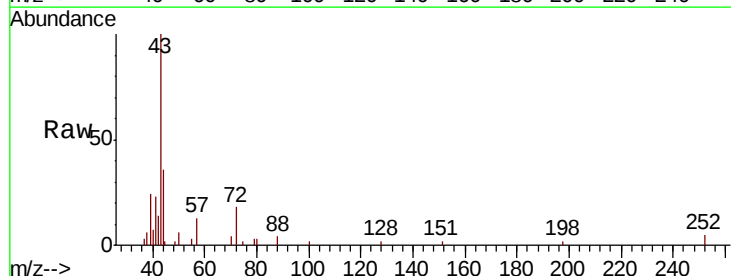
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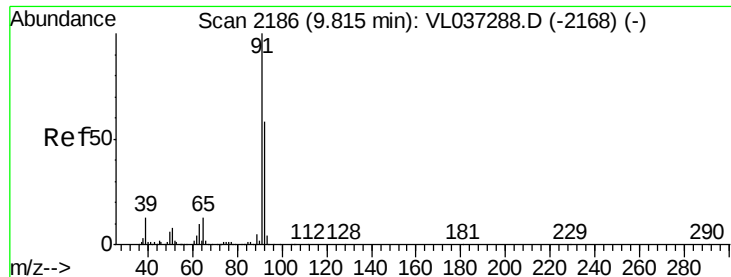
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#34
 2-Butanone
 Concen: 0.177 ppbv m
 RT: 5.26 min Scan# 770
 Delta R.T. 0.01 min
 Lab File: VL037300.D
 Acq: 31 Jul 2021 2:38

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.5	27.7#





#53

Toluene

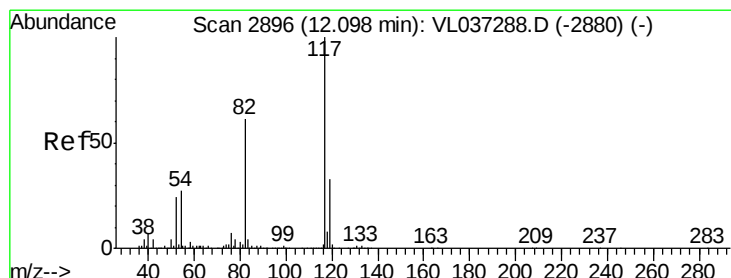
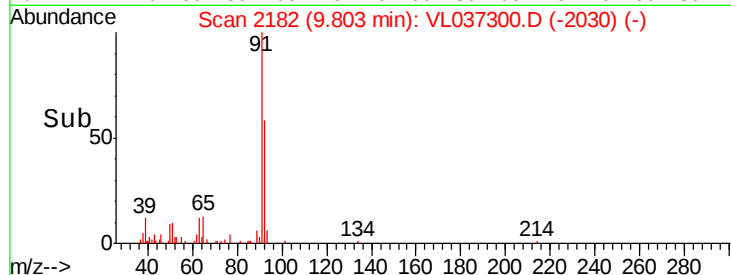
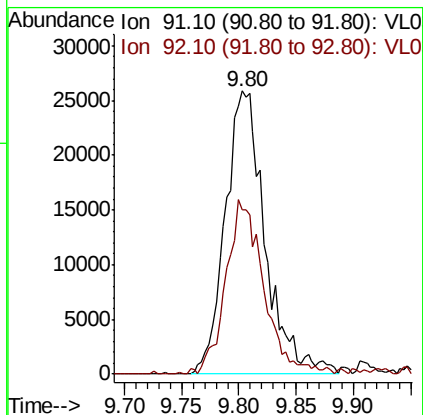
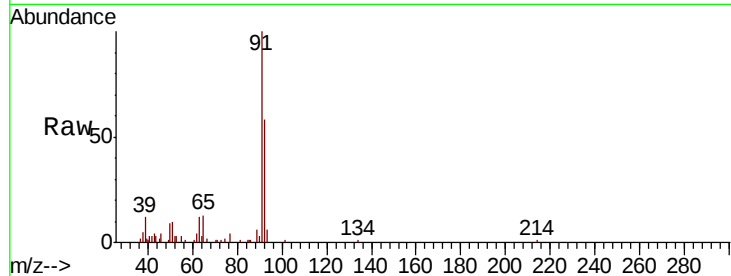
Concen: 0.178 ppbv m
RT: 9.80 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL037300.D
Acq: 31 Jul 2021 2:38

Instrument :
MSVOA_L
ClientSampleId :
IA-PLAY-ROOM-1REDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	58.3	48.2	72.2

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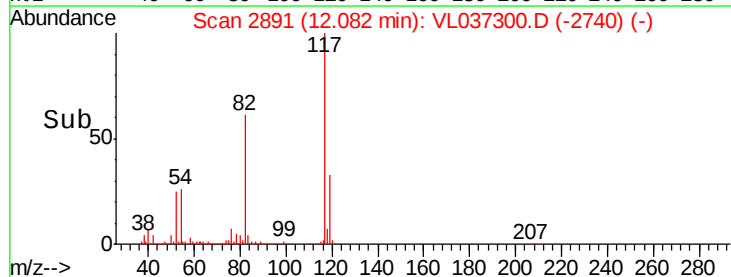
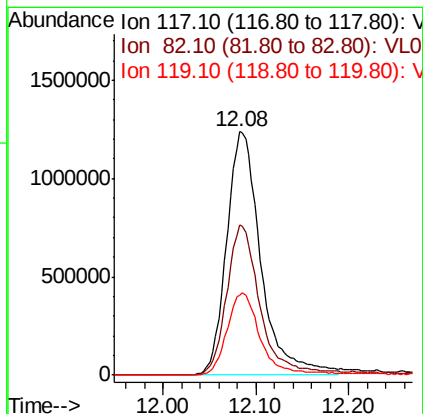
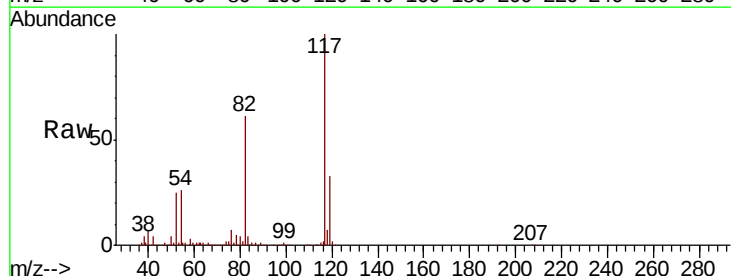


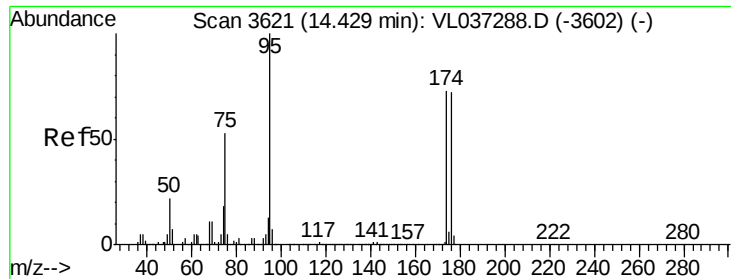
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. -0.02 min
Lab File: VL037300.D
Acq: 31 Jul 2021 2:38

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.8	47.2	70.8
119	34.4	45.8	68.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.965 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T. -0.01 min
 Lab File: VL037300.D
 Acq: 31 Jul 2021 2:38

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-PLAY-ROOM-1REDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	77.4	59.8	89.6
175	5.6	4.5	6.7

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