

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101419\
 Data File : VL034289.D
 Acq On : 14 Oct 2019 19:57
 Operator : SY/AP
 Sample : K5353-04DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-3DL

Quant Time: Oct 15 02:50:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1048889	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1770563	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1742072	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1552975	10.26	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

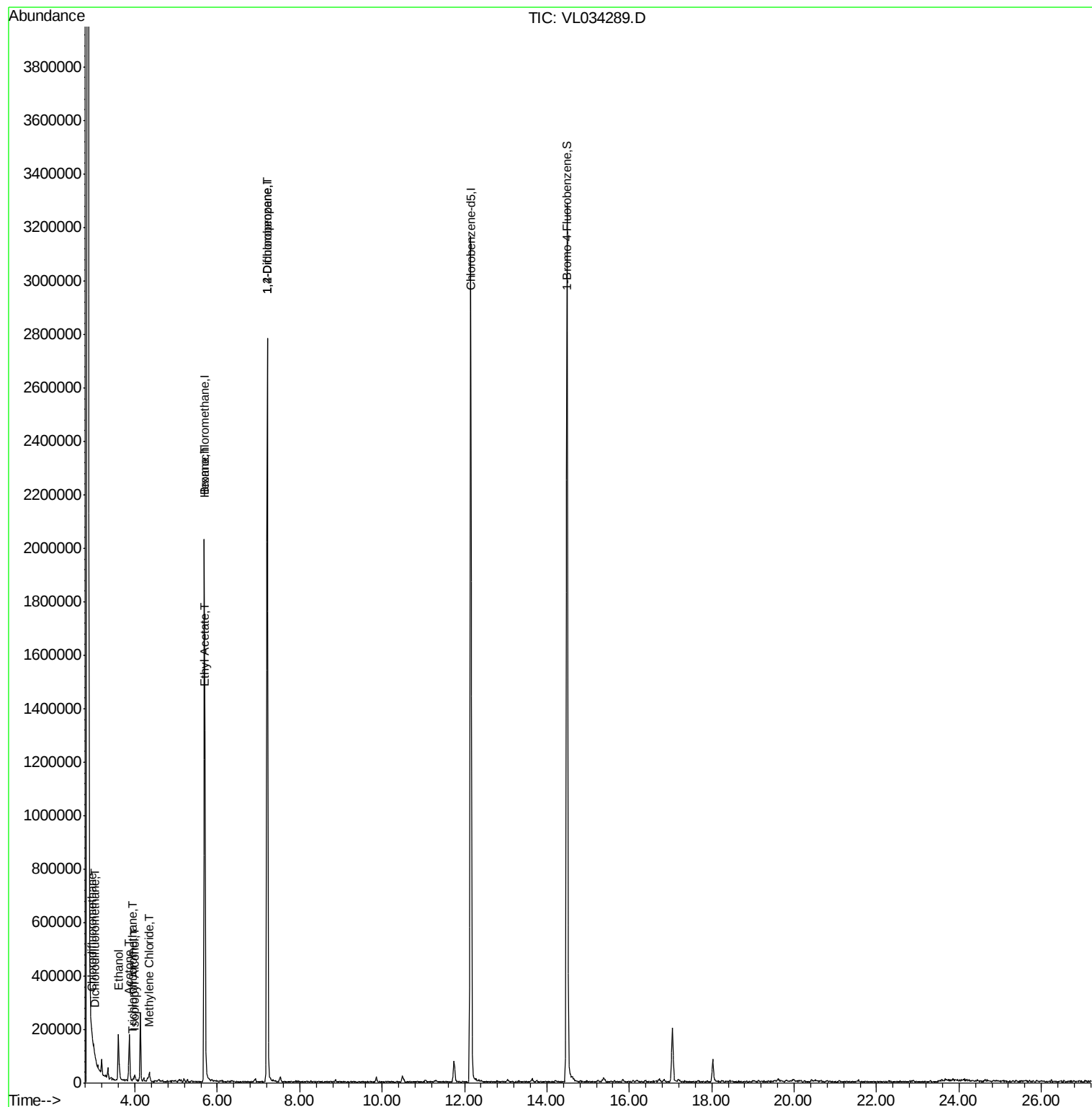
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	10508	0.068	ppbv #	81
3) Chlorodifluoromethane	2.97	51	13604	0.111	ppbv #	85
11) Trichlorofluoromethane	3.95	101	4421	0.031	ppbv	93
13) Ethanol	3.60	45	164432	11.191	ppbv	100
15) Acetone	3.86	43	90362	0.643	ppbv	100
19) Isopropyl Alcohol	3.99	45	5928	0.069	ppbv #	95
20) Methylene Chloride	4.35	84	9085	0.224	ppbv #	70
25) Ethyl Acetate	5.71	43	9550	0.036	ppbv #	88
26) Hexane	5.70	57	4726	0.043	ppbv #	1
39) 1,2-Dichloropropane	7.21	63	580095	6.602	ppbv #	19

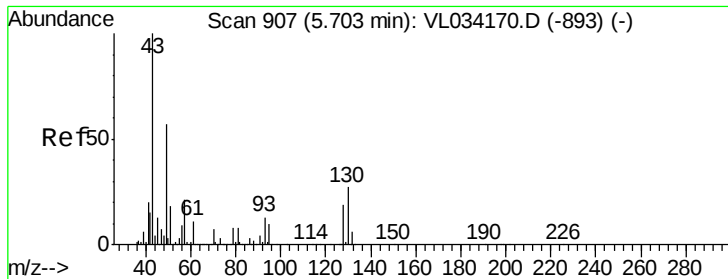
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034289.D

Acq: 14 Oct 2019 19:57

Instrument :

MSVOA_L

ClientSampleId :

IA-3DL

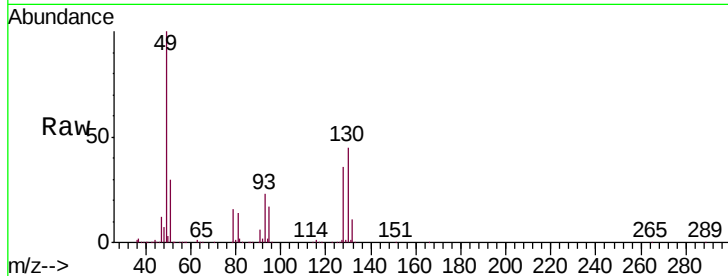
Tgt Ion: 49 Resp: 1048889

Ion Ratio Lower Upper

49 100

128 36.2 17.6 52.9

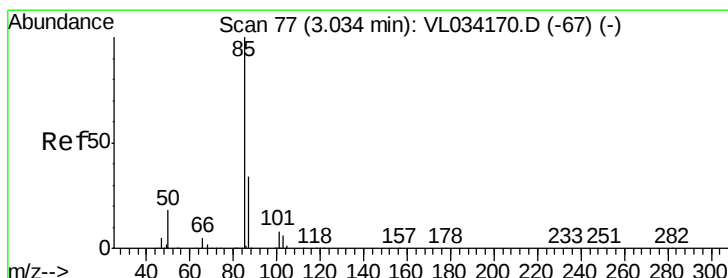
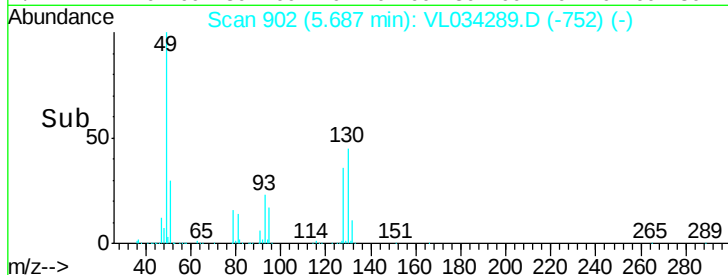
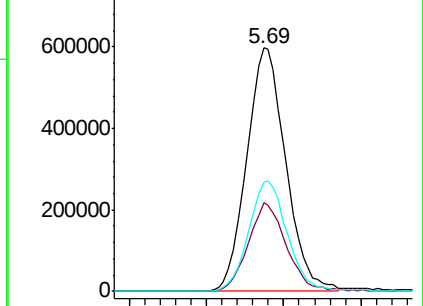
130 45.6 22.3 66.9



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



#2

Dichlorodifluoromethane

Concen: 0.068 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034289.D

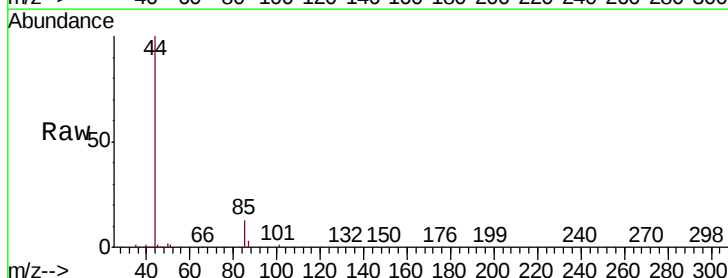
Acq: 14 Oct 2019 19:57

Tgt Ion: 85 Resp: 10508

Ion Ratio Lower Upper

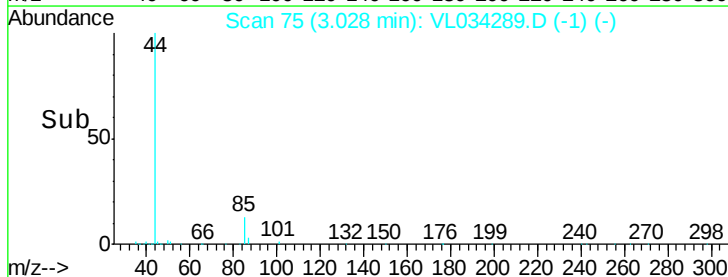
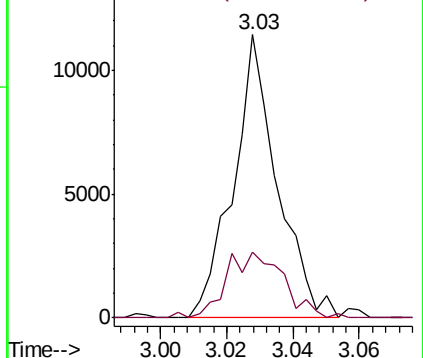
85 100

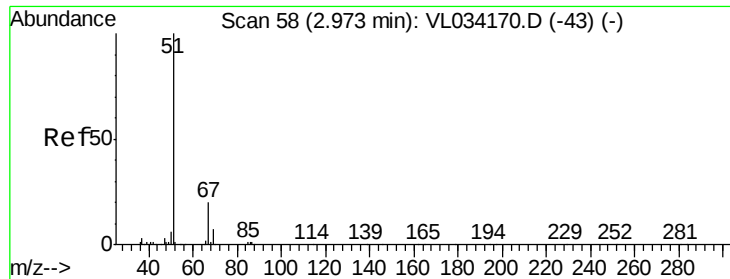
87 23.3 27.2 40.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

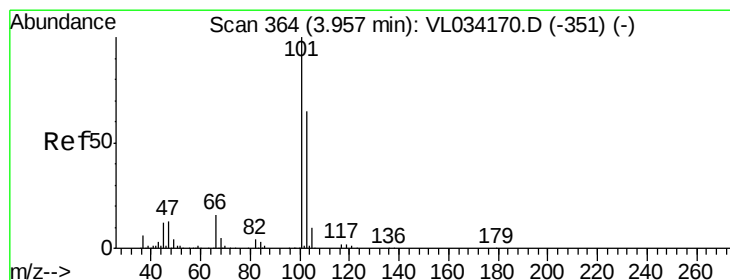
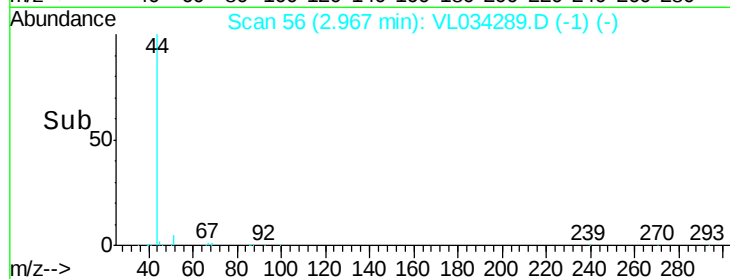
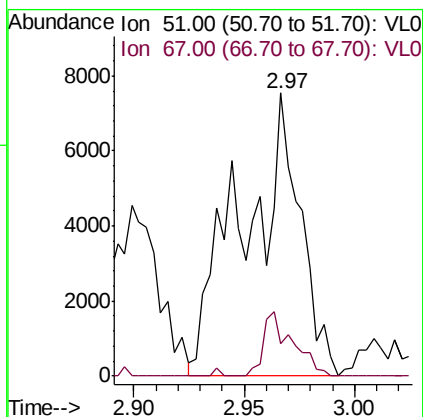
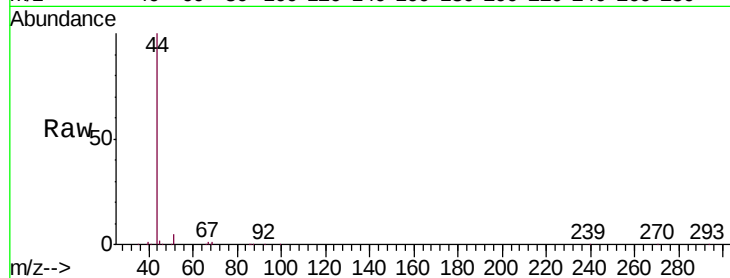




#3
Chlorodifluoromethane
Concen: 0.111 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.01 min
Lab File: VL034289.D
Acq: 14 Oct 2019 19:57

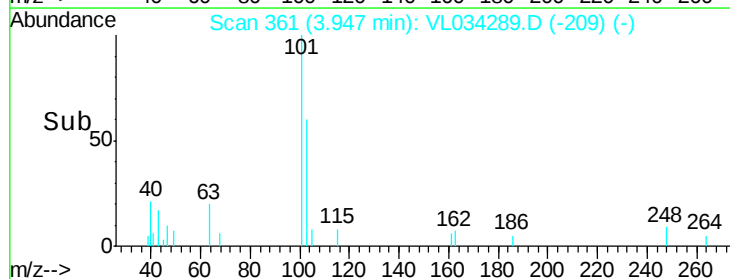
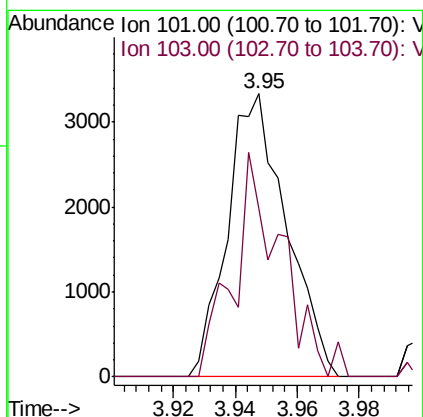
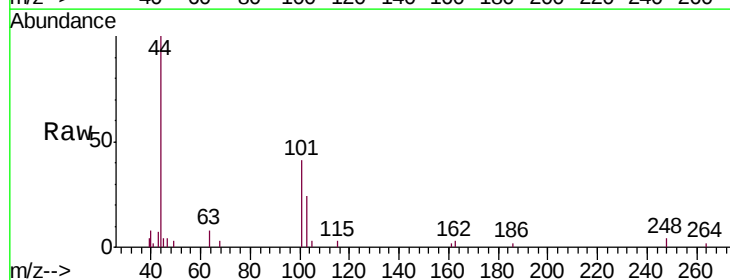
Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

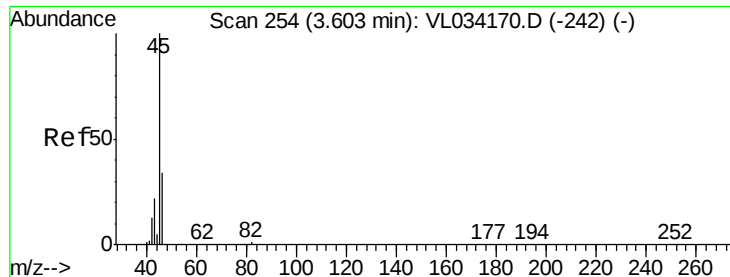
Tgt Ion: 51 Resp: 13604
Ion Ratio Lower Upper
51 100
67 11.8 14.8 22.2#



#11
Trichlorofluoromethane
Concen: 0.031 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL034289.D
Acq: 14 Oct 2019 19:57

Tgt Ion: 101 Resp: 4421
Ion Ratio Lower Upper
101 100
103 59.6 52.1 78.1





#13

Ethanol

Concen: 11.191 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL034289.D

Acq: 14 Oct 2019 19:57

Instrument :

MSVOA_L

ClientSampleId :

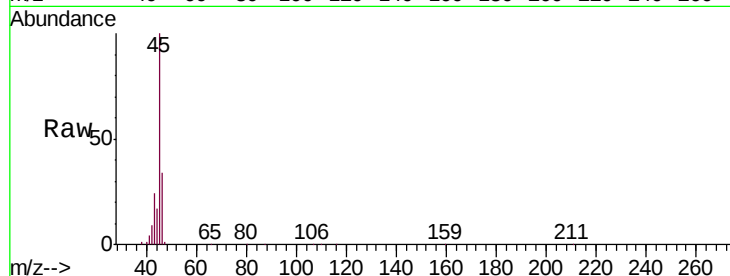
IA-3DL

Tgt Ion: 45 Resp: 164432

Ion Ratio Lower Upper

45 100

46 38.5 15.5 61.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.60

100000

80000

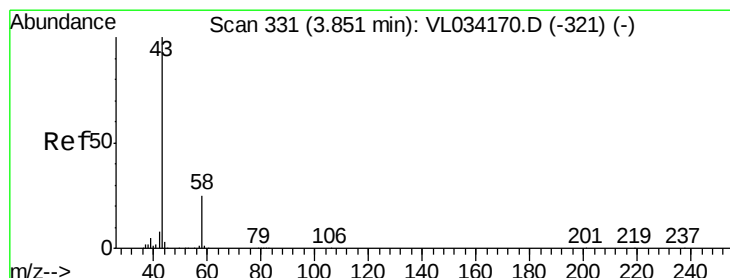
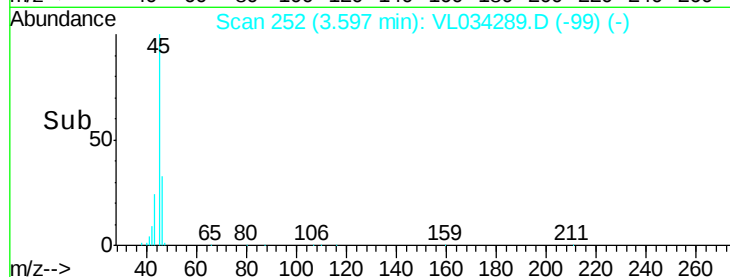
60000

40000

20000

0

Time-->



#15

Acetone

Concen: 0.643 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL034289.D

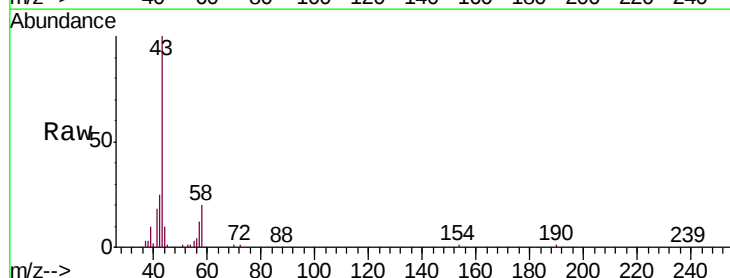
Acq: 14 Oct 2019 19:57

Tgt Ion: 43 Resp: 90362

Ion Ratio Lower Upper

43 100

58 25.5 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.86

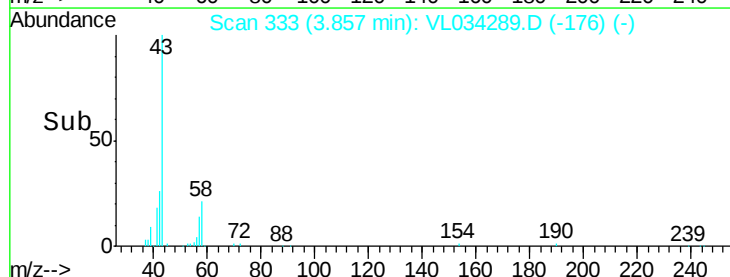
60000

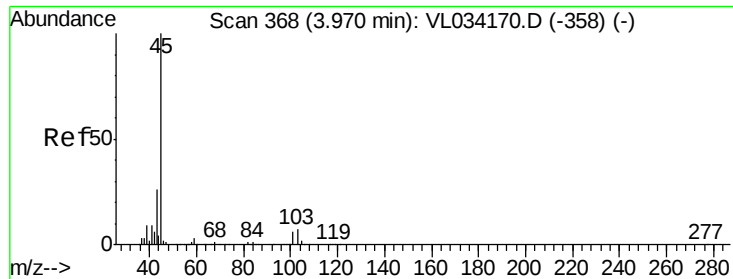
40000

20000

0

Time-->





#19

Isopropyl Alcohol

Concen: 0.069 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.02 min

Lab File: VL034289.D

Acq: 14 Oct 2019 19:57

Instrument :

MSVOA_L

ClientSampleId :

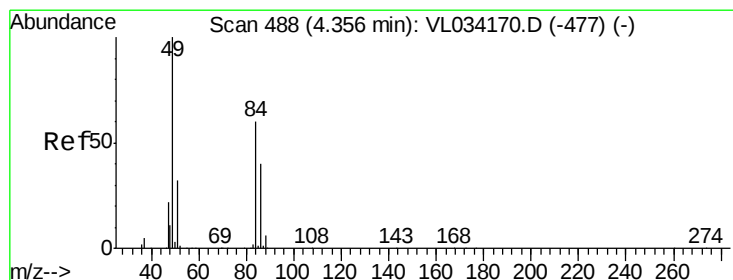
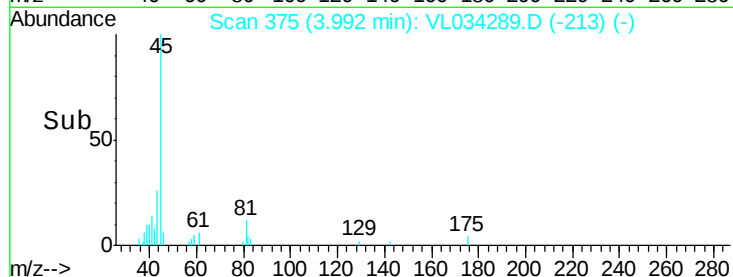
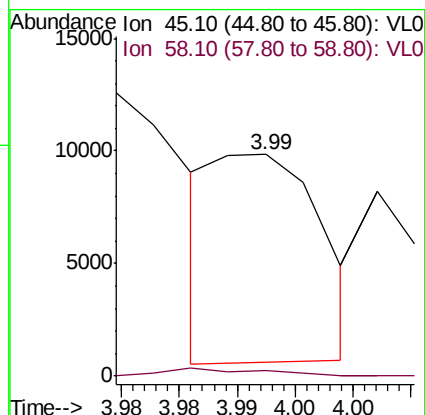
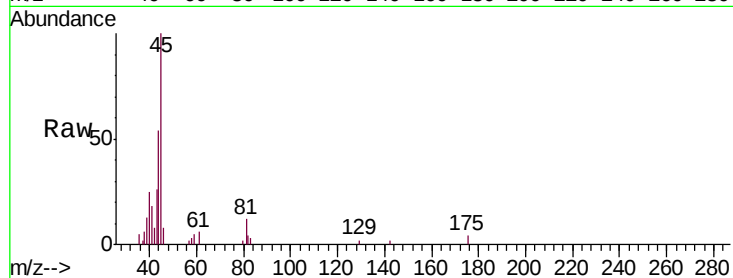
IA-3DL

Tgt Ion: 45 Resp: 5928

Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.0#



#20

Methylene Chloride

Concen: 0.224 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL034289.D

Acq: 14 Oct 2019 19:57

Tgt Ion: 84 Resp: 9085

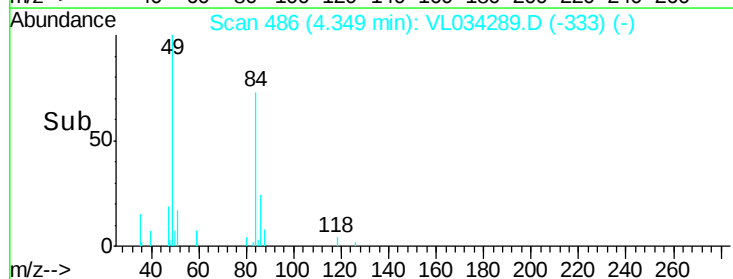
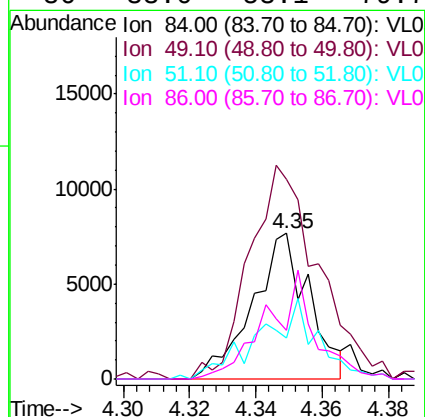
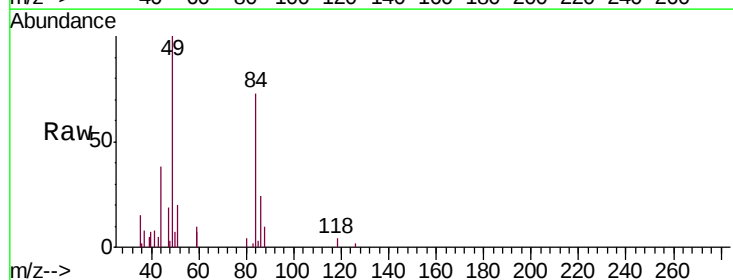
Ion Ratio Lower Upper

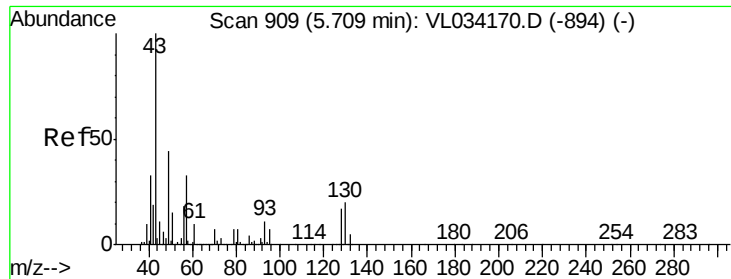
84 100

49 137.0 133.8 200.8

51 28.0 43.6 65.4#

86 33.0 53.1 79.7#





#25

Ethyl Acetate

Concen: 0.036 ppbv

RT: 5.71 min Scan# 909

Delta R.T. -0.00 min

Lab File: VL034289.D

Acq: 14 Oct 2019 19:57

Instrument :

MSVOA_L

ClientSampleId :

IA-3DL

Tgt Ion: 43 Resp: 9550

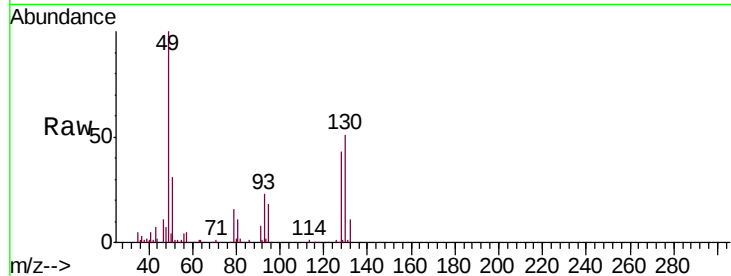
Ion Ratio Lower Upper

43 100

45 16.6 8.4 12.6#

61 8.3 7.2 10.8

70 0.0 5.3 7.9#

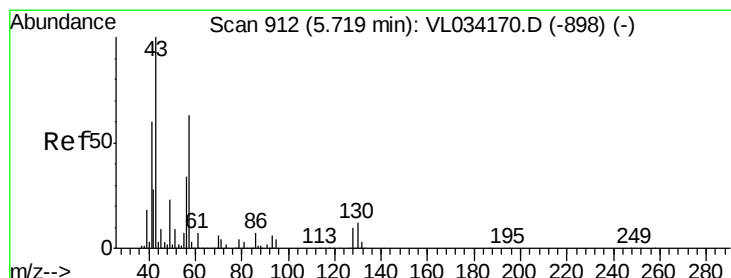
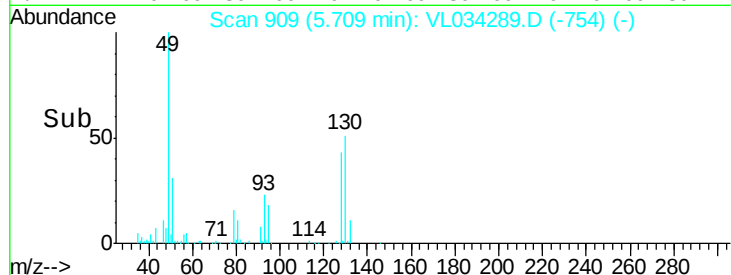
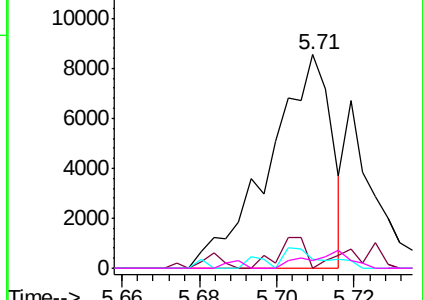


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.043 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.02 min

Lab File: VL034289.D

Acq: 14 Oct 2019 19:57

Tgt Ion: 57 Resp: 4726

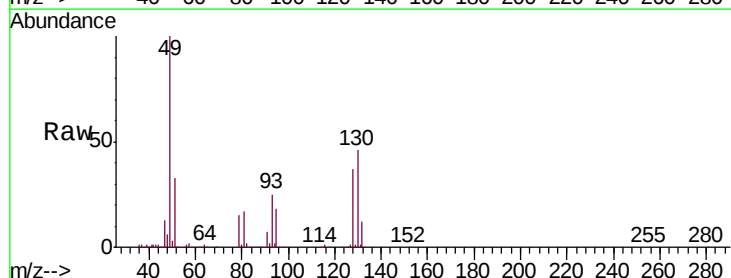
Ion Ratio Lower Upper

57 100

41 0.0 78.5 117.7#

43 0.0 189.5 284.3#

56 0.0 43.2 64.8#

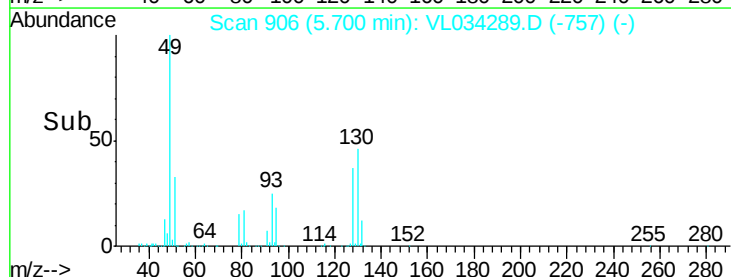
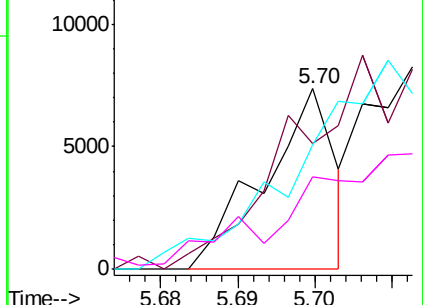


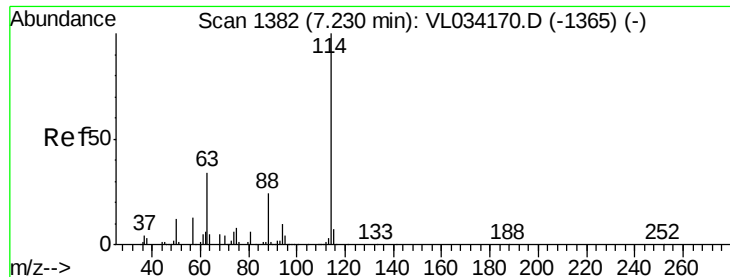
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

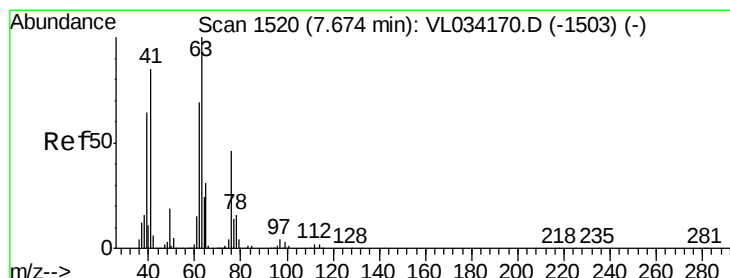
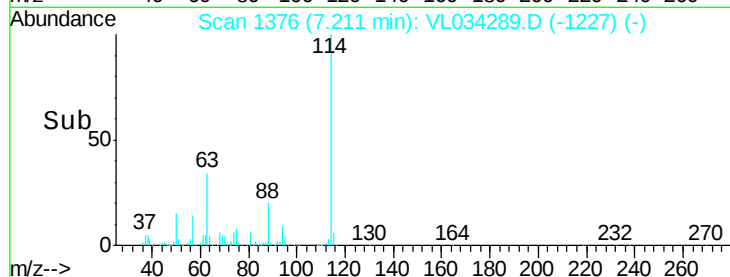
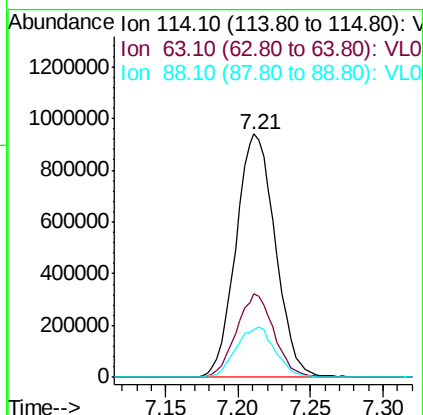
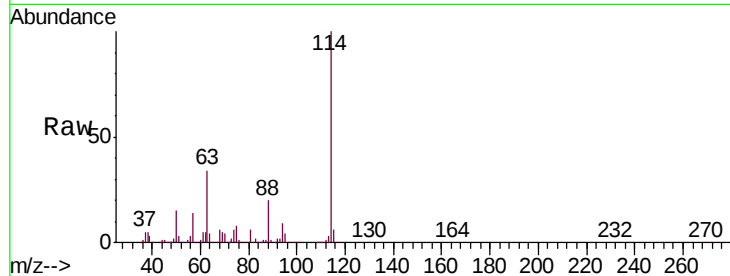




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VL034289.D
 Acq: 14 Oct 2019 19:57

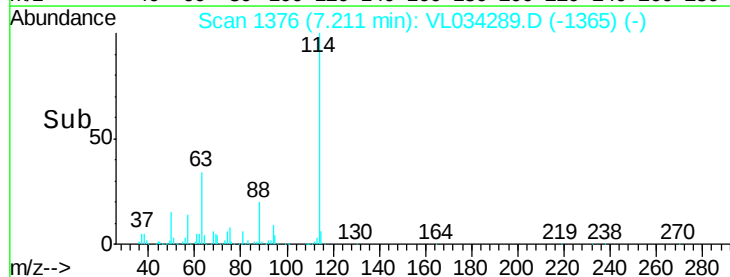
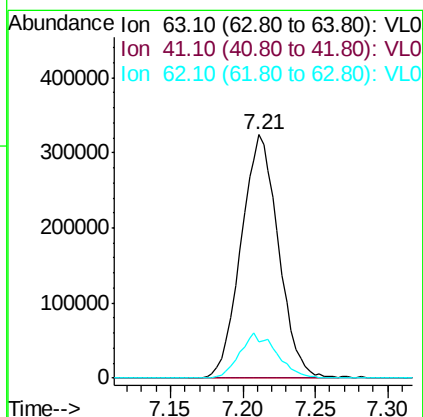
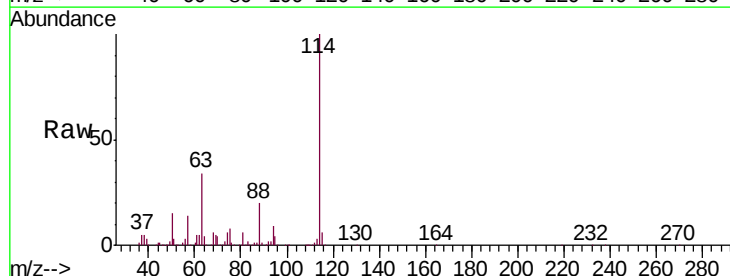
Instrument :
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 IA-3DL

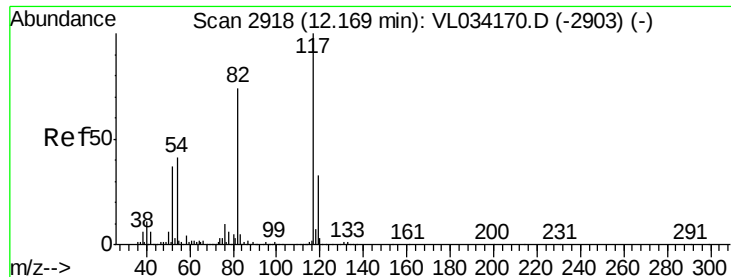
Tgt Ion: 114 Resp: 1770563
 Ion Ratio Lower Upper
 114 100
 63 32.9 27.8 41.6
 88 20.5 17.1 25.7



#39
 1,2-Dichloropropane
 Concen: 6.602 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.46 min
 Lab File: VL034289.D
 Acq: 14 Oct 2019 19:57

Tgt Ion: 63 Resp: 580095
 Ion Ratio Lower Upper
 63 100
 41 0.0 68.4 102.6#
 62 15.0 55.4 83.2#

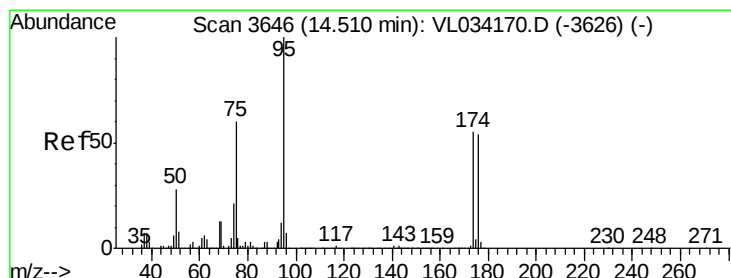
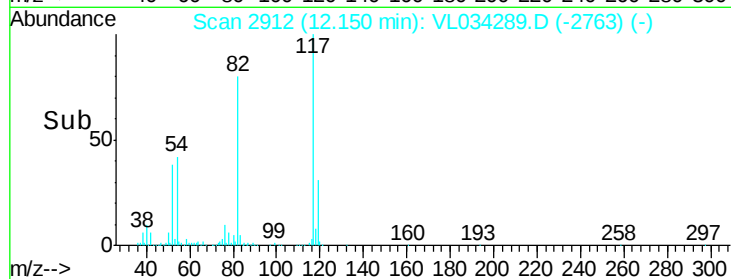
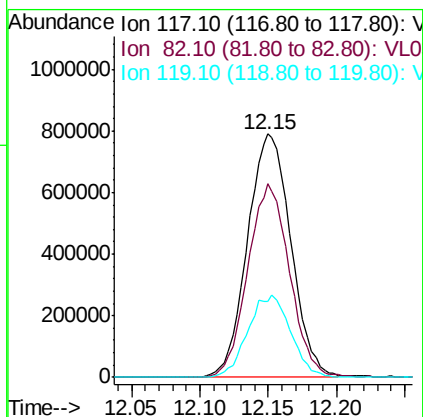
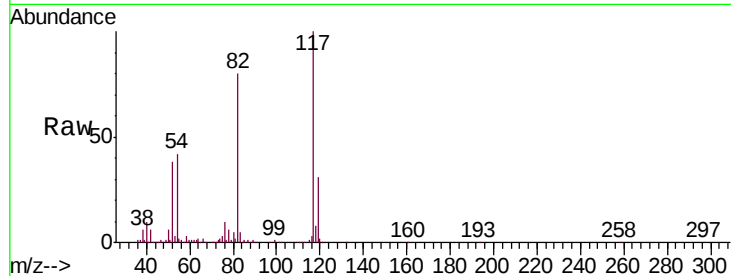




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034289.D
Acq: 14 Oct 2019 19:57

Instrument :
MSVOA_L
ClientSampleId :
IA-3DL

Tgt Ion:117 Resp: 1742072
Ion Ratio Lower Upper
117 100
82 77.0 58.2 87.4
119 33.5 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.259 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.02 min
Lab File: VL034289.D
Acq: 14 Oct 2019 19:57

Tgt Ion: 95 Resp: 1552975
Ion Ratio Lower Upper
95 100
174 55.7 45.1 67.7
175 4.1 3.3 4.9

