

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121020\
 Data File : VL036153.D
 Acq On : 11 Dec 2020 7:21
 Operator : SY/AP
 Sample : L5005-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 48-1DL

Quant Time: Dec 11 10:53:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1327853	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.15	114	2540379	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2299495	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2010728	11.01	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.10%

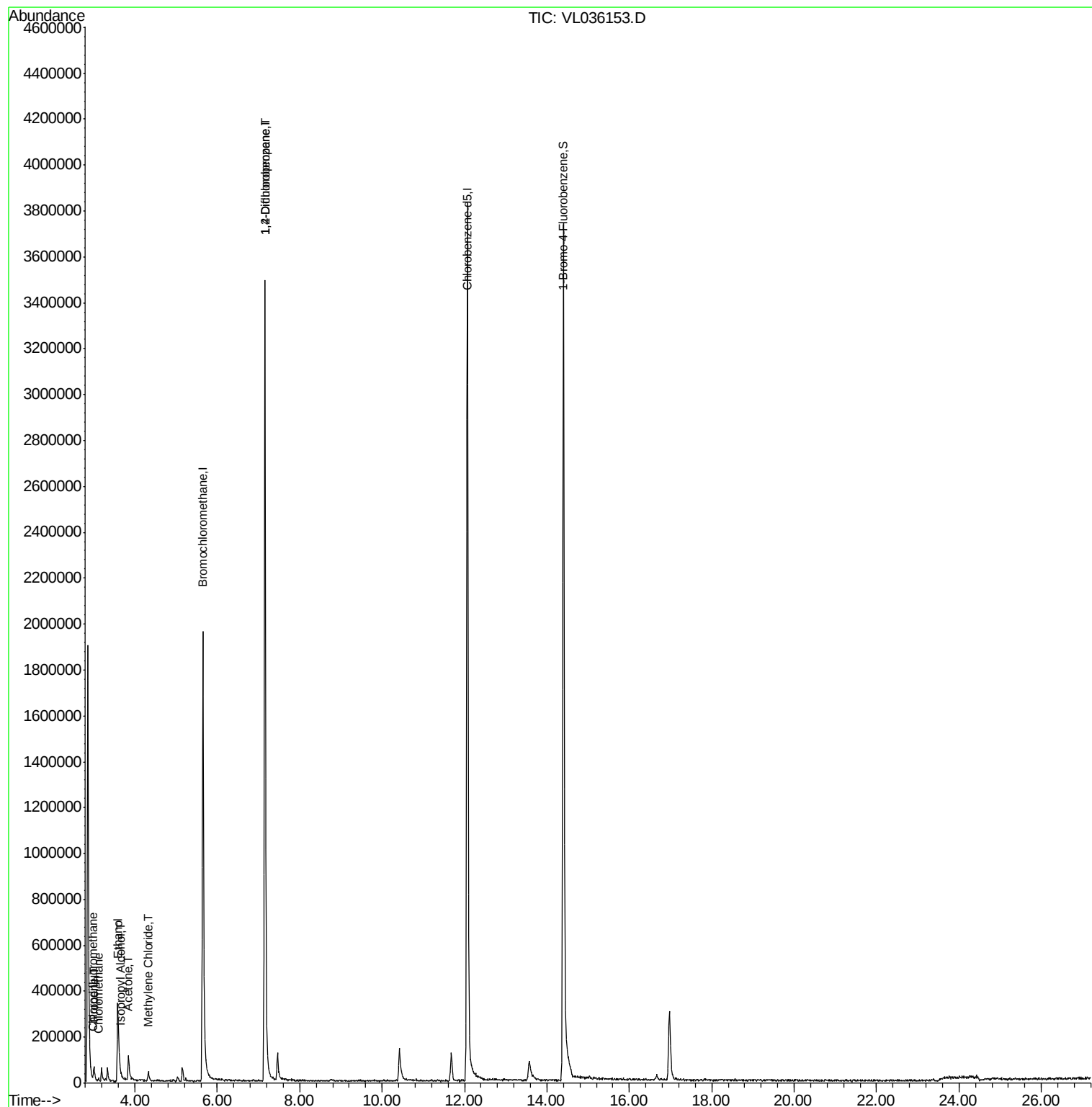
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	14191	0.094	ppbv #	77
4) Chloromethane	3.12	50	3083	0.041	ppbv #	57
9) Propene	3.00	41	13590	0.179	ppbv	91
13) Ethanol	3.58	45	394484	37.705	ppbv	98
15) Acetone	3.84	43	128224	0.803	ppbv #	84
19) Isopropyl Alcohol	3.66	45	7934	0.081	ppbv #	100
20) Methylene Chloride	4.32	84	8008	0.122	ppbv #	64
39) 1,2-Dichloropropane	7.16	63	845575	9.945	ppbv #	25

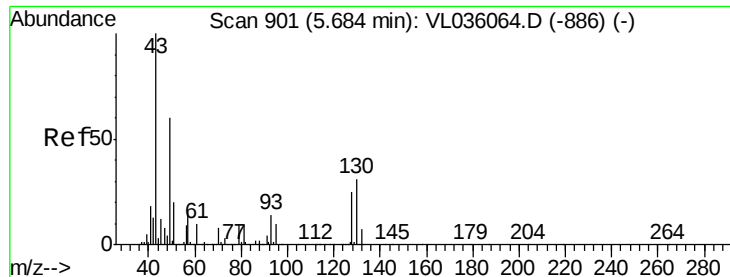
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.04 min

Lab File: VL036153.D

Acq: 11 Dec 2020 7:21

Instrument :

MSVOA_X

ClientSampleId :

48-1DL

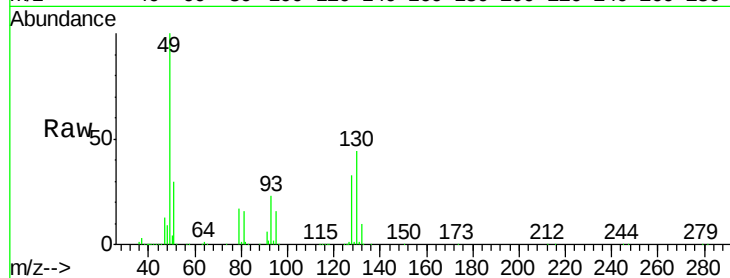
Tgt Ion: 49 Resp: 1327853

Ion Ratio Lower Upper

49 100

128 35.5 21.1 63.1

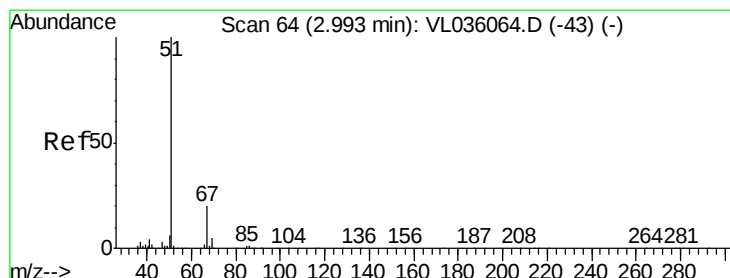
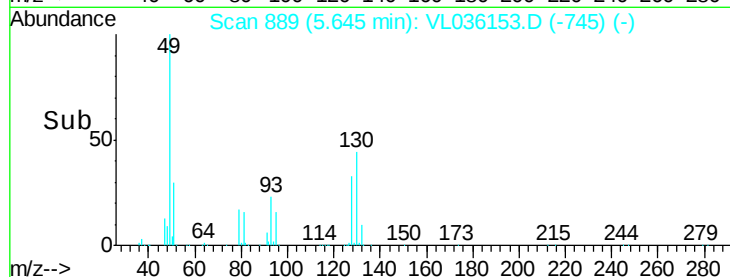
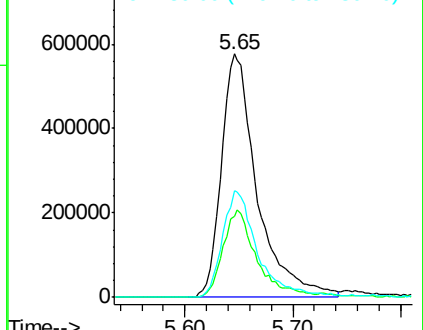
130 44.3 27.1 81.3



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



#3

Chlorodifluoromethane

Concen: 0.094 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL036153.D

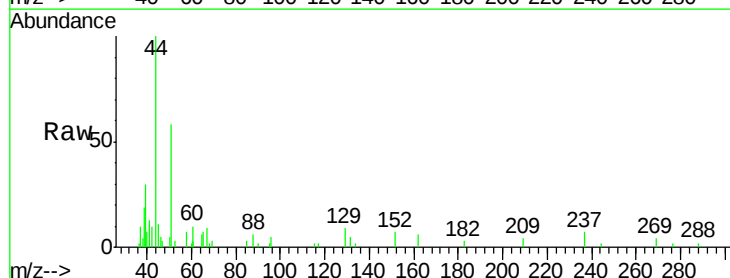
Acq: 11 Dec 2020 7:21

Tgt Ion: 51 Resp: 14191

Ion Ratio Lower Upper

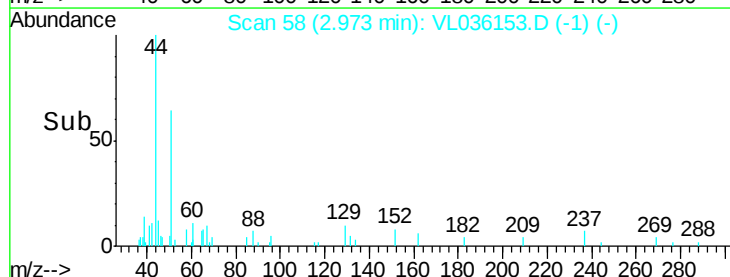
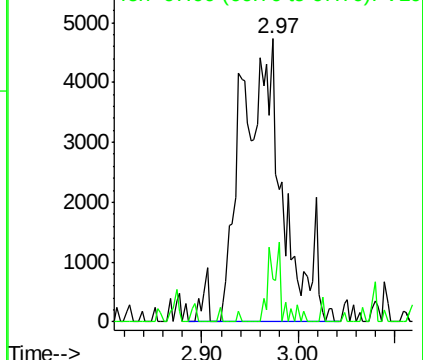
51 100

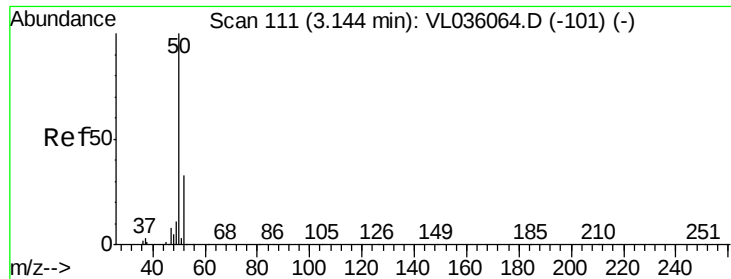
67 7.6 14.3 21.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.041 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.03 min

Lab File: VL036153.D

Acq: 11 Dec 2020 7:21

Instrument :

MSVOA_X

ClientSampleId :

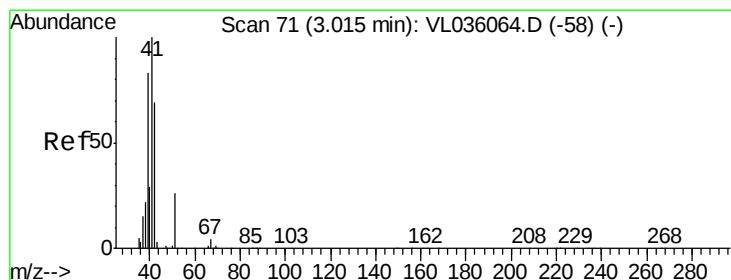
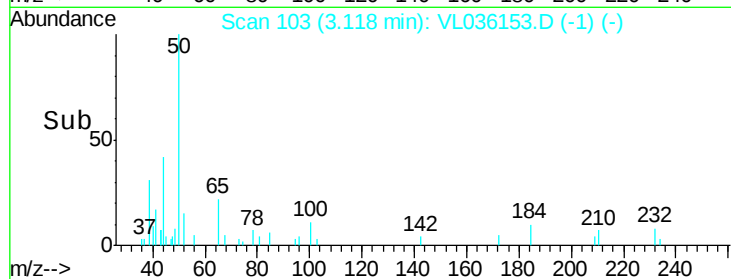
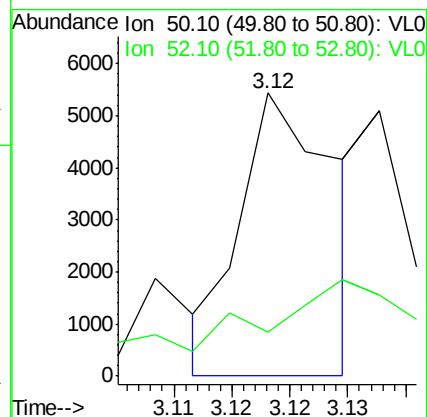
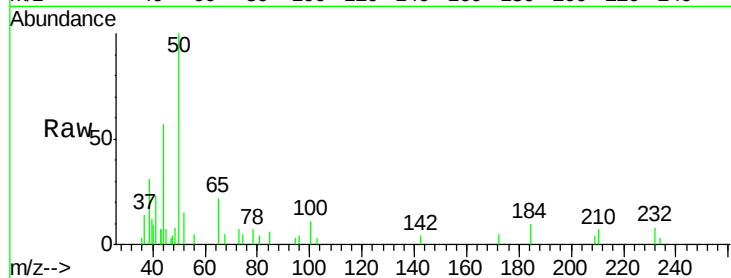
48-1DL

Tgt Ion: 50 Resp: 3083

Ion Ratio Lower Upper

50 100

52 8.5 26.1 39.1#



#9

Propene

Concen: 0.179 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.02 min

Lab File: VL036153.D

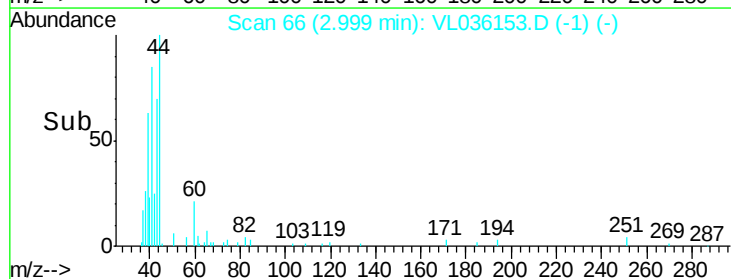
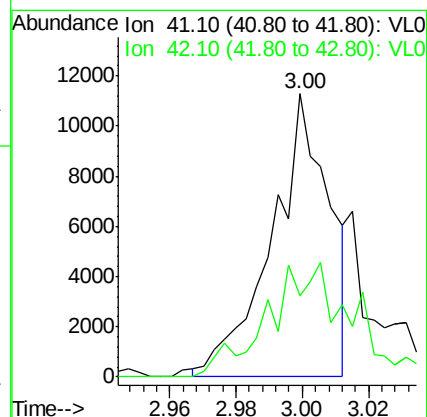
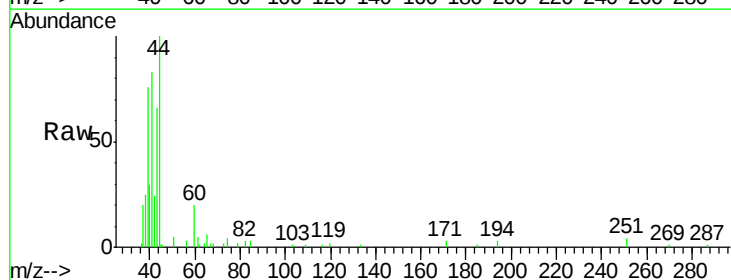
Acq: 11 Dec 2020 7:21

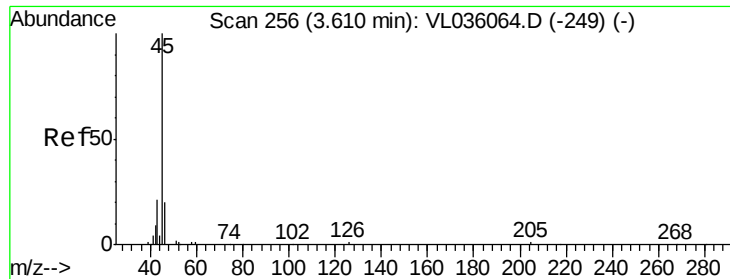
Tgt Ion: 41 Resp: 13590

Ion Ratio Lower Upper

41 100

42 63.8 57.0 85.6





#13

Ethanol

Concen: 37.705 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.03 min

Lab File: VL036153.D

Acq: 11 Dec 2020 7:21

Instrument :

MSVOA_X

ClientSampleId :

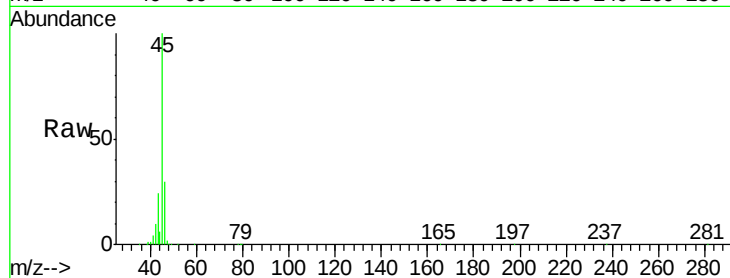
48-1DL

Tgt Ion: 45 Resp: 394484

Ion Ratio Lower Upper

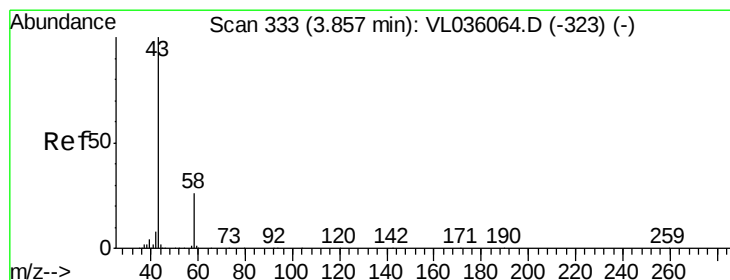
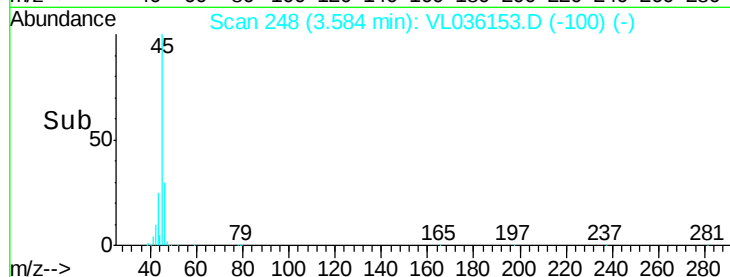
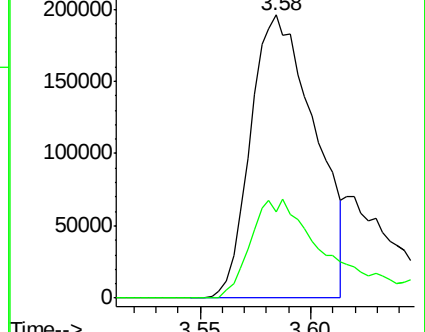
45 100

46 49.0 19.0 75.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.803 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL036153.D

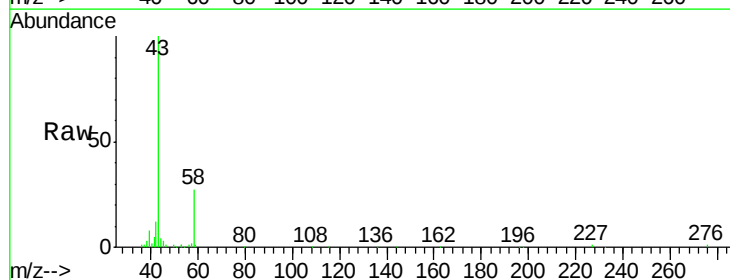
Acq: 11 Dec 2020 7:21

Tgt Ion: 43 Resp: 128224

Ion Ratio Lower Upper

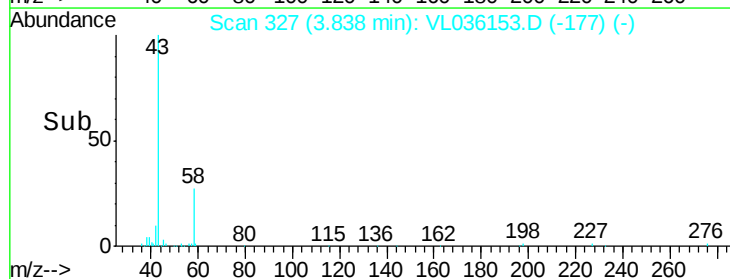
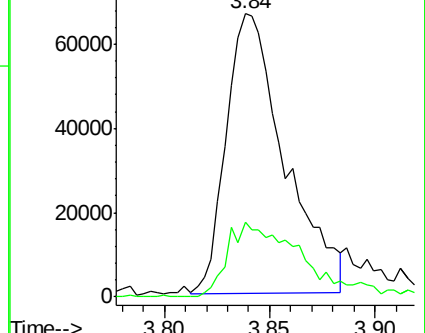
43 100

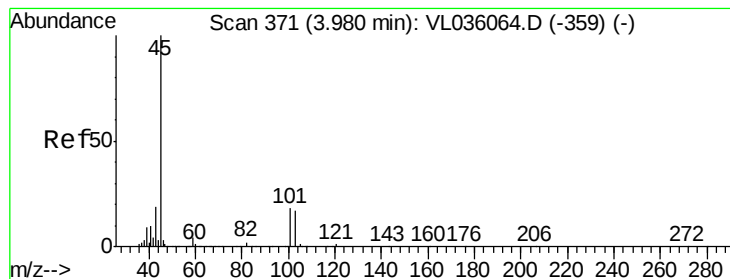
58 34.4 20.9 31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#19

Isopropyl Alcohol

Concen: 0.081 ppbv

RT: 3.66 min Scan# 273

Delta R.T. -0.32 min

Lab File: VL036153.D

Acq: 11 Dec 2020 7:21

Instrument :

MSVOA_X

ClientSampleId :

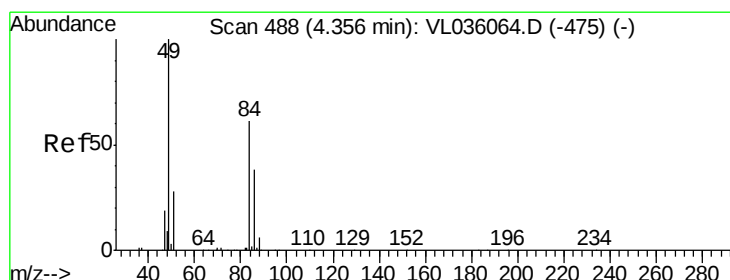
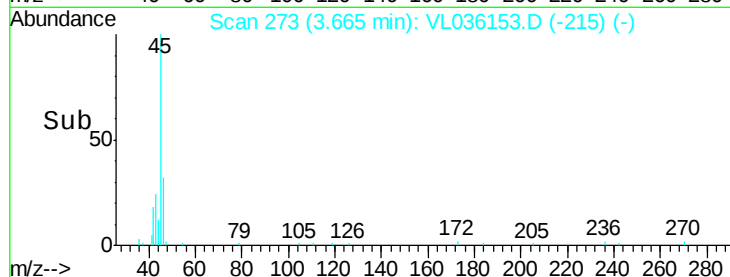
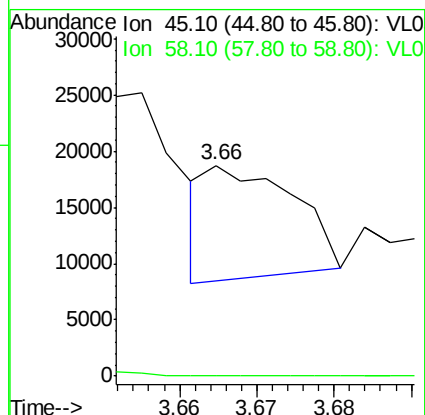
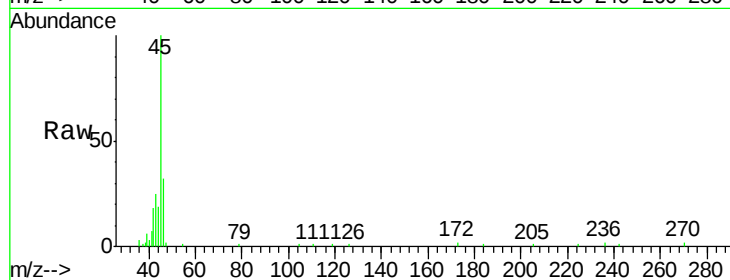
48-1DL

Tgt Ion: 45 Resp: 7934

Ion Ratio Lower Upper

45 100

58 559.9 0.0 0.0#



#20

Methylene Chloride

Concen: 0.122 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.03 min

Lab File: VL036153.D

Acq: 11 Dec 2020 7:21

Tgt Ion: 84 Resp: 8008

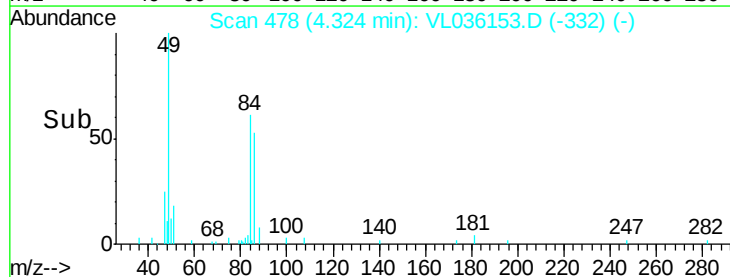
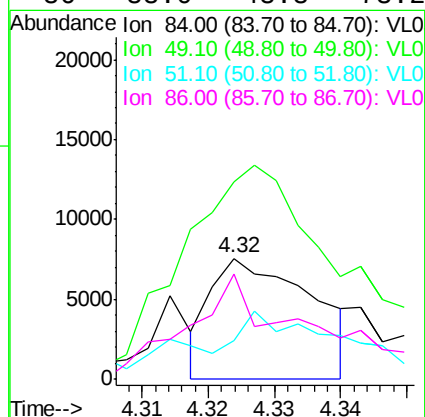
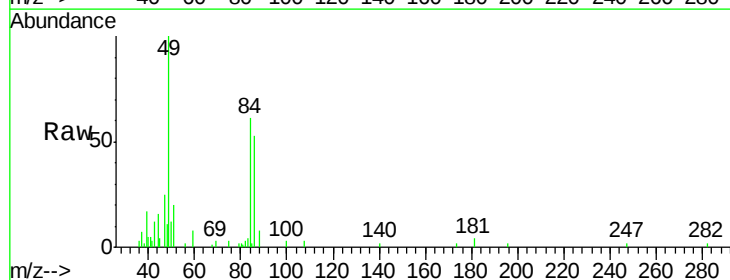
Ion Ratio Lower Upper

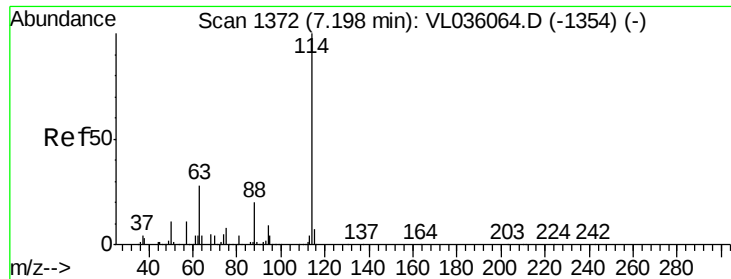
84 100

49 126.8 133.0 199.4#

51 6.6 38.9 58.3#

86 88.0 48.8 73.2#

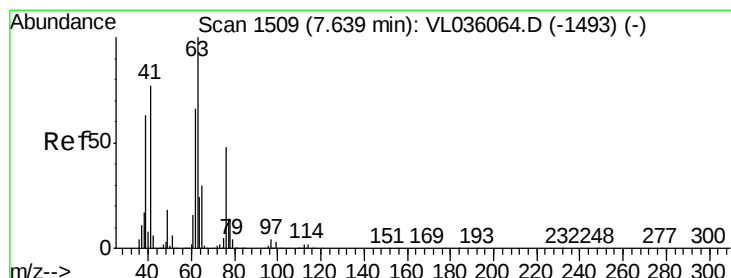
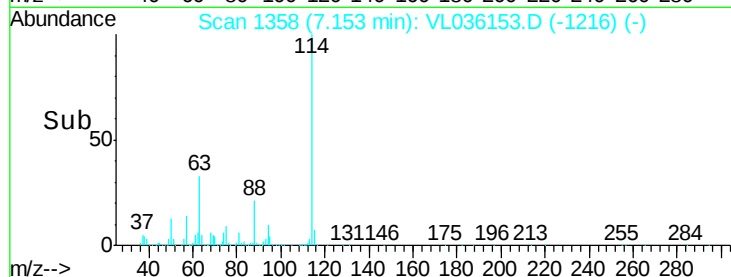
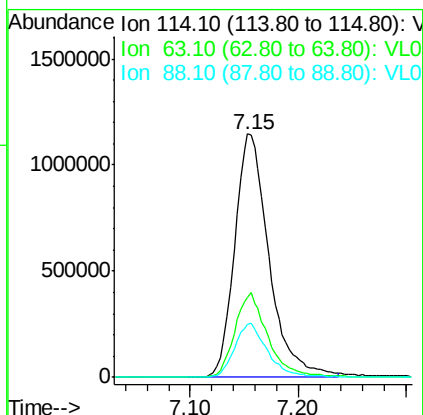
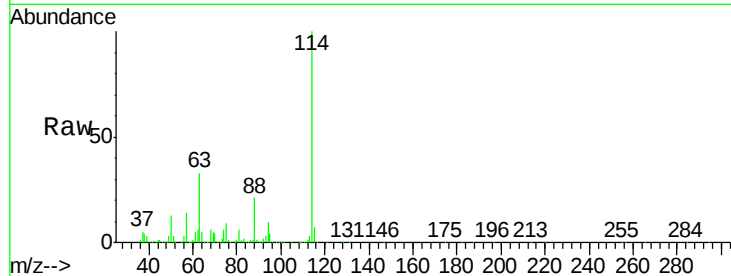




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.04 min
 Lab File: VL036153.D
 Acq: 11 Dec 2020 7:21

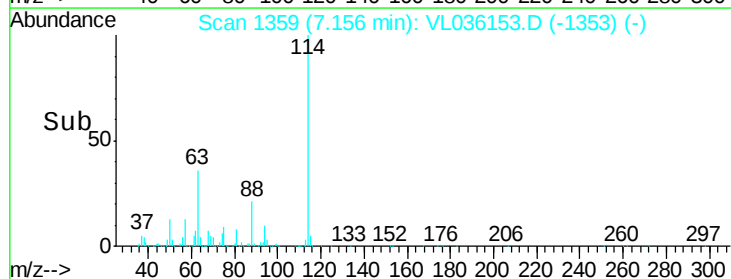
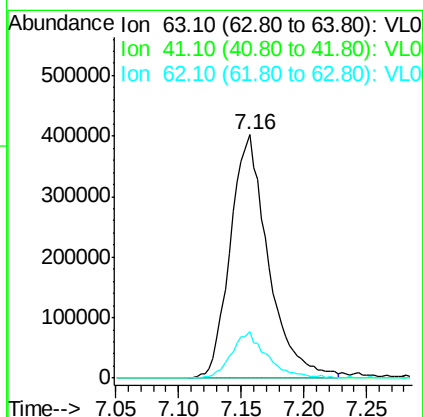
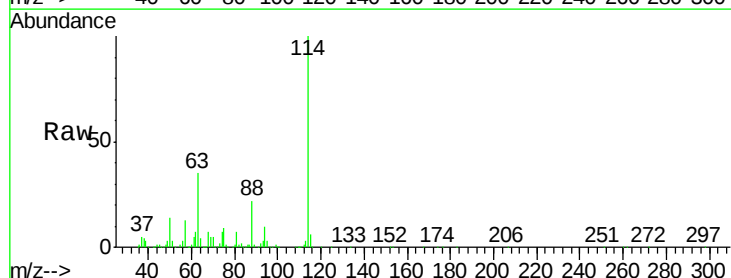
Instrument :
 MSVOA_X
 ClientSampleId :
 48-1DL

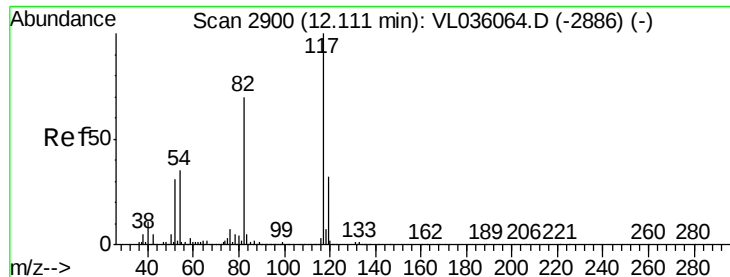
Tgt Ion: 114 Resp: 2540379
 Ion Ratio Lower Upper
 114 100
 63 34.2 23.6 35.4
 88 21.4 15.8 23.6



#39
 1,2-Dichloropropane
 Concen: 9.945 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.48 min
 Lab File: VL036153.D
 Acq: 11 Dec 2020 7:21

Tgt Ion: 63 Resp: 845575
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.9 92.9#
 62 19.2 52.5 78.7#

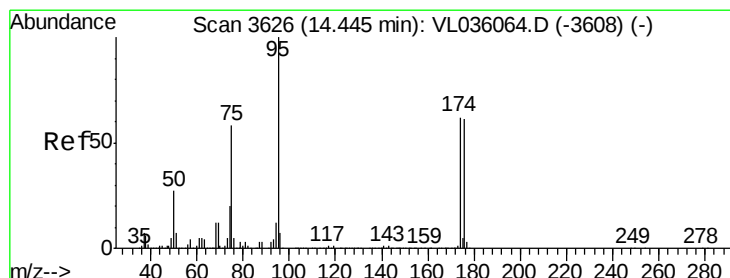
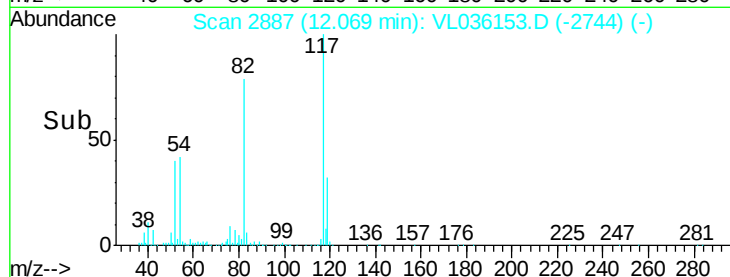
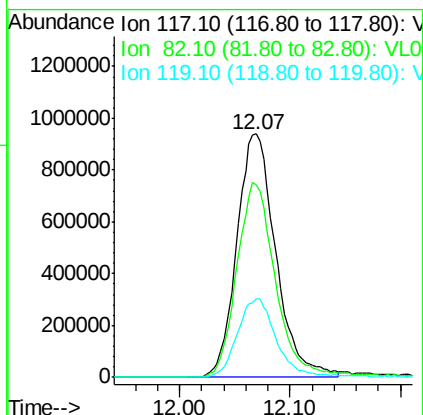
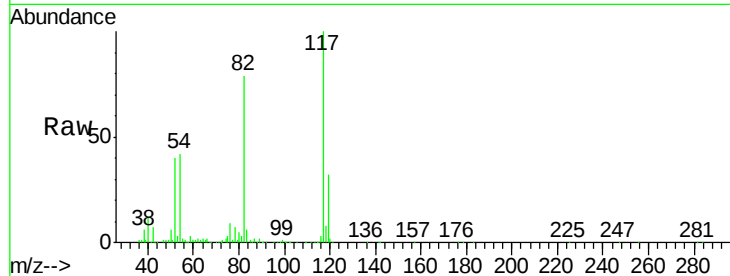




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.04 min
Lab File: VL036153.D
Acq: 11 Dec 2020 7:21

Instrument :
MSVOA_X
ClientSampleId :
48-1DL

Tgt Ion: 117 Resp: 2299495
Ion Ratio Lower Upper
117 100
82 81.5 0.0 0.0#
119 33.0 0.0 0.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 11.012 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.04 min
Lab File: VL036153.D
Acq: 11 Dec 2020 7:21

Tgt Ion: 95 Resp: 2010728
Ion Ratio Lower Upper
95 100
174 52.8 50.7 76.1
175 3.8 4.0 6.0#

