

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034944.D
 Acq On : 6 May 2020 16:13
 Operator : SY/AP
 Sample : VL0506ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 06:31:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1201134	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2685954	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2518346	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2111044	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

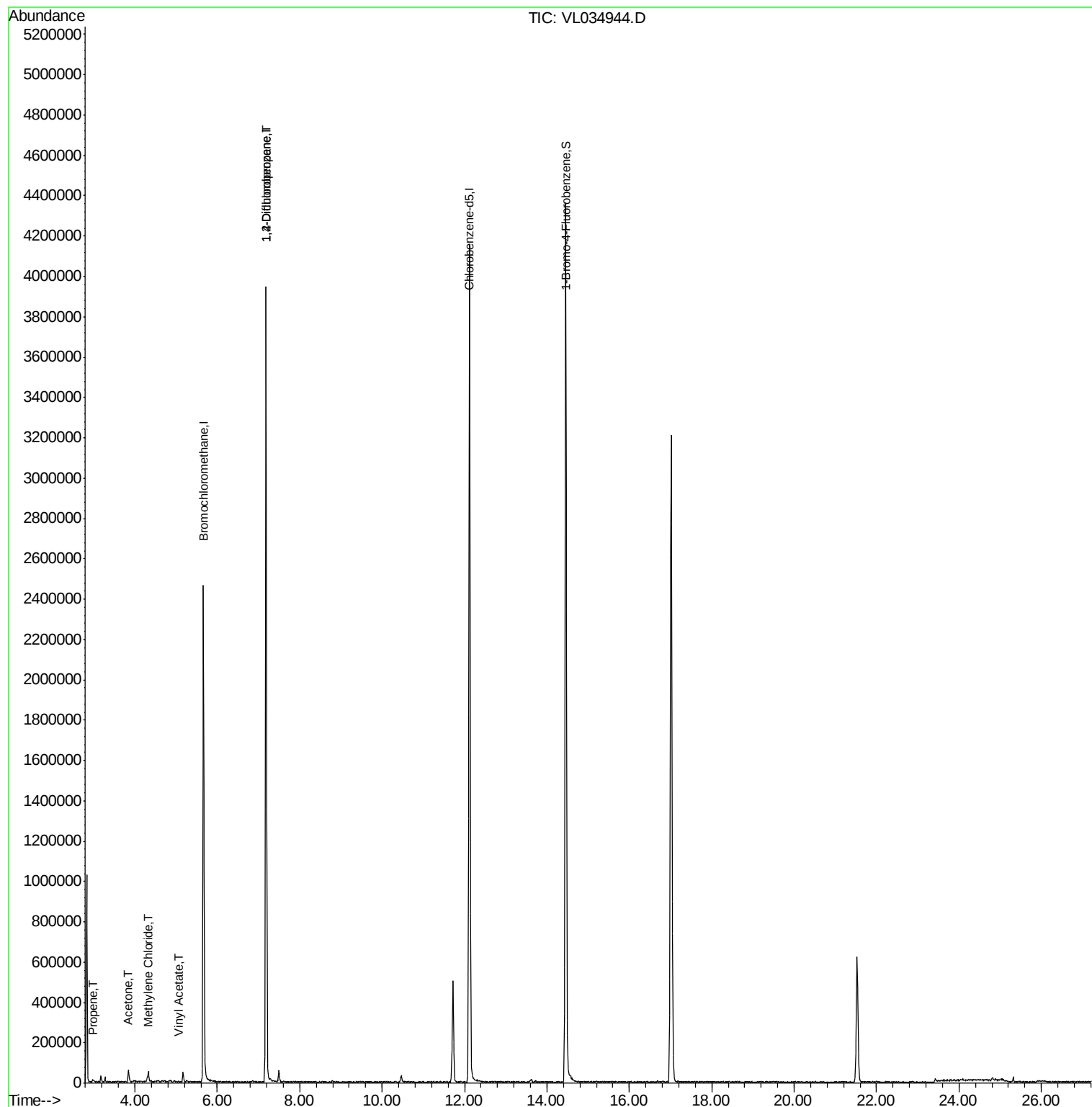
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.98	41	2498	0.042	ppbv #	74
15) Acetone	3.84	43	52426	0.330	ppbv #	62
20) Methylene Chloride	4.32	84	9982	0.190	ppbv #	83
23) Vinyl Acetate	5.06	43	4740	0.024	ppbv #	66
39) 1,2-Dichloropropane	7.18	63	744756	8.389	ppbv #	24

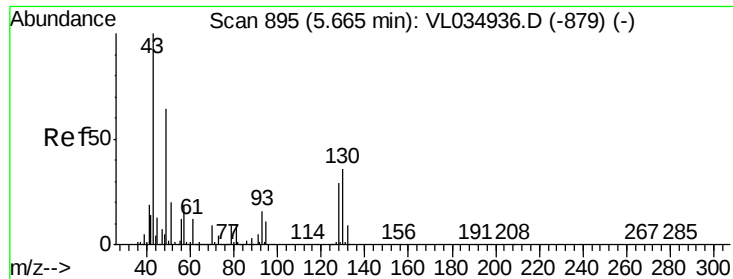
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL034944.D

Acq: 6 May 2020 16:13

Instrument :

MSVOA_L

ClientSampleId :

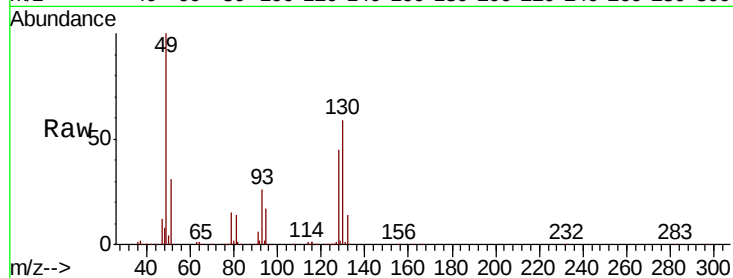
Tot Ion: 49 Resp: 1201134

Ion Ratio Lower Upper

49 100

128 44.3 22.1 66.5

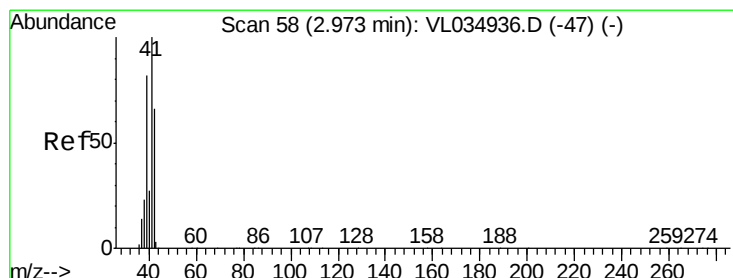
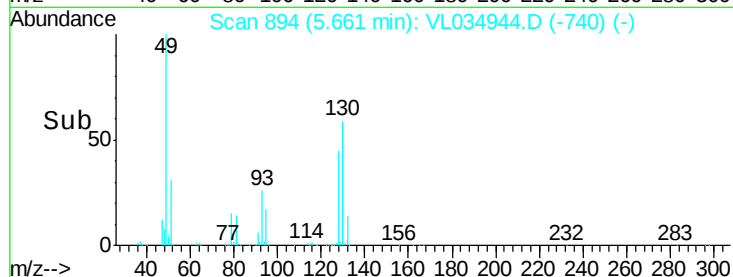
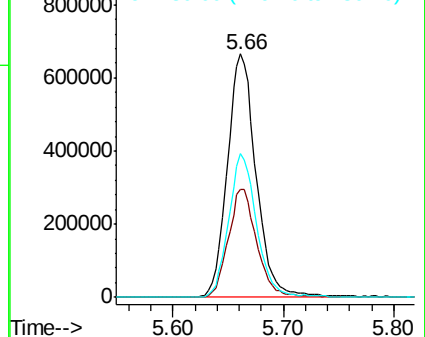
130 58.3 29.1 87.3



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: 0.042 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL034944.D

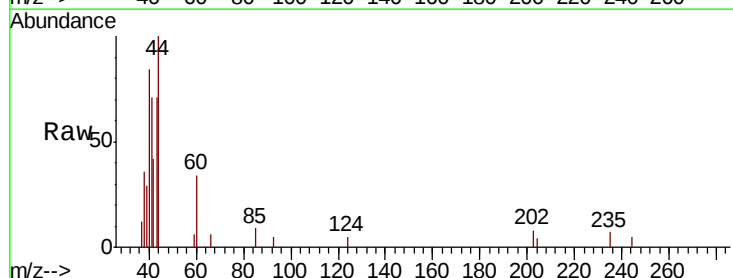
Acq: 6 May 2020 16:13

Tgt Ion: 41 Resp: 2498

Ion Ratio Lower Upper

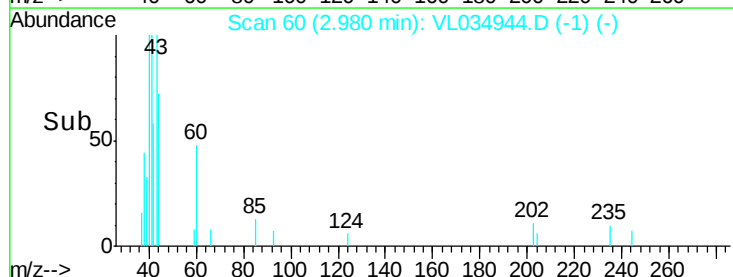
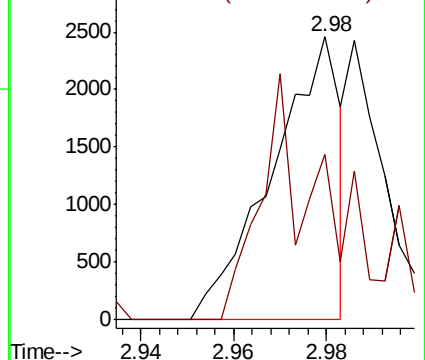
41 100

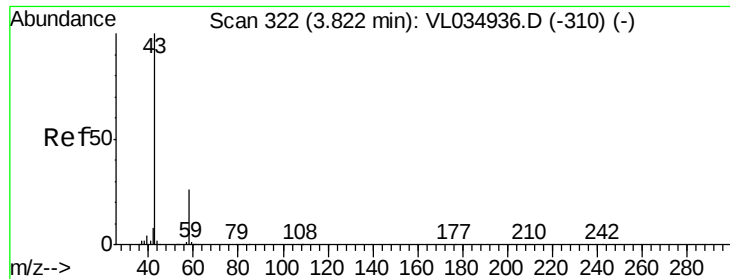
42 89.4 54.5 81.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.330 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.02 min

Lab File: VL034944.D

Acq: 6 May 2020 16:13

Instrument :

MSVOA_L

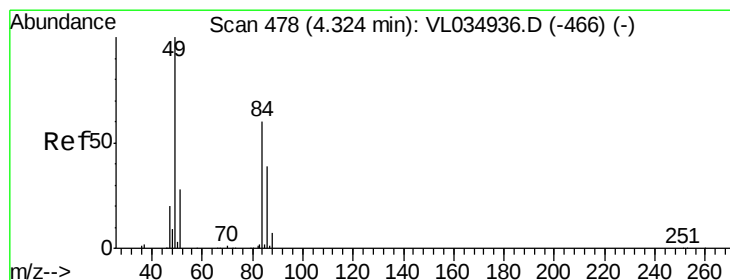
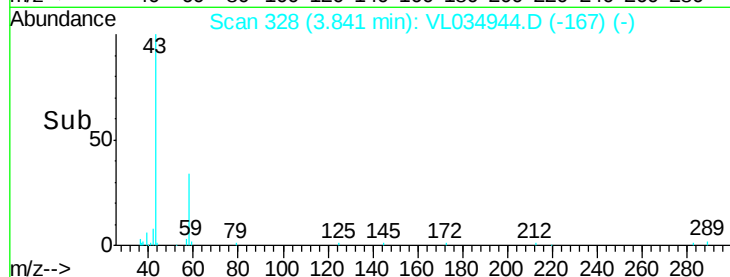
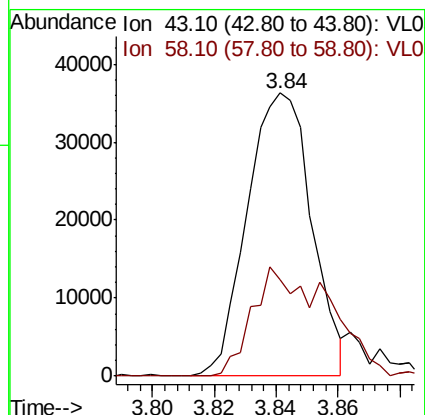
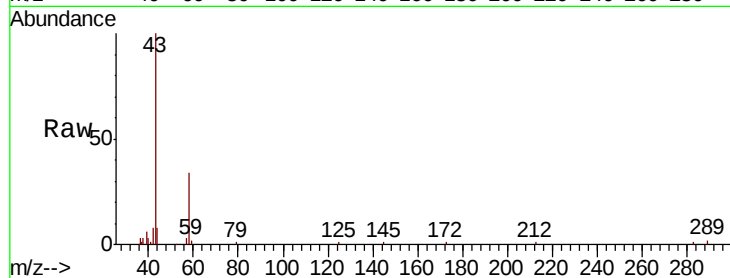
ClientSampleId :

Tot Ion: 43 Resp: 52426

Ion Ratio Lower Upper

43 100

58 46.8 21.7 32.5#



#20

Methylene Chloride

Concen: 0.190 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.00 min

Lab File: VL034944.D

Acq: 6 May 2020 16:13

Tgt Ion: 84 Resp: 9982

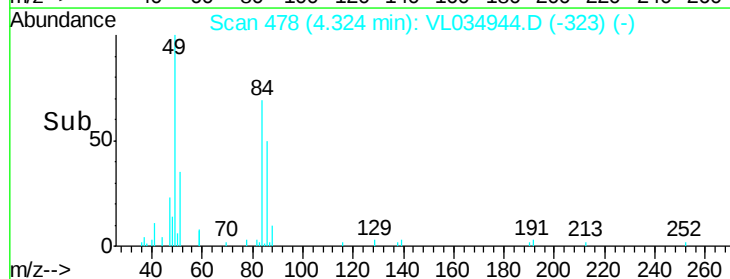
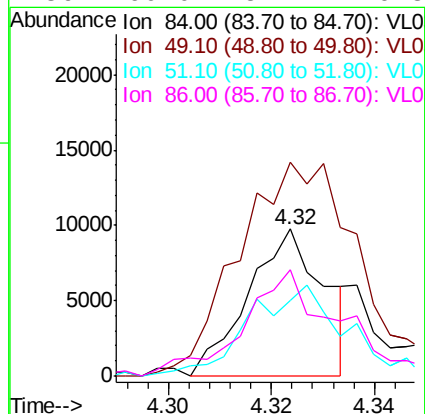
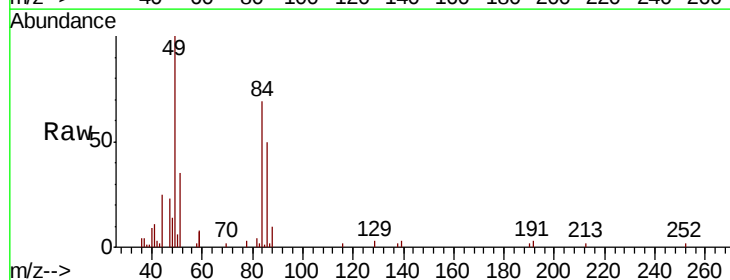
Ion Ratio Lower Upper

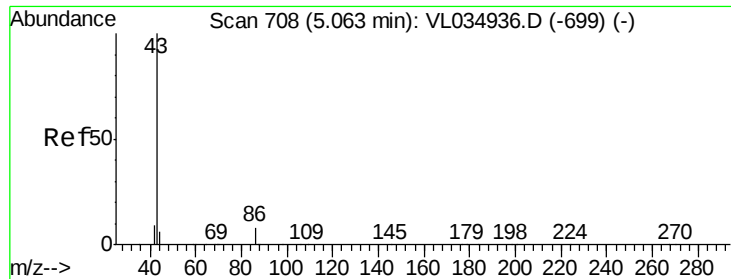
84 100

49 131.6 132.5 198.7#

51 44.5 38.4 57.6

86 60.0 51.2 76.8





#23

Vinyl Acetate

Concen: 0.024 ppbv

RT: 5.06 min Scan# 708

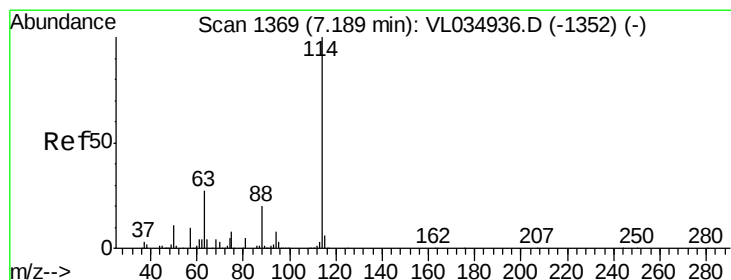
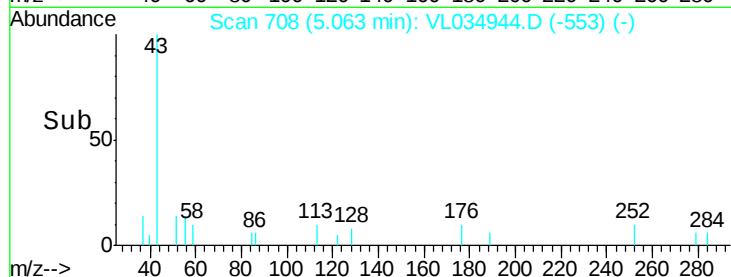
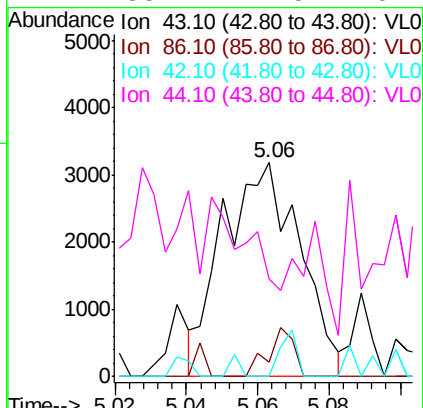
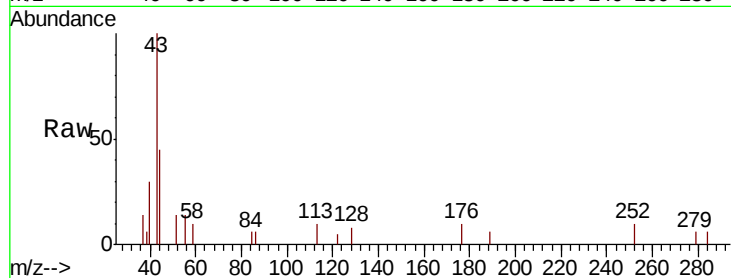
Delta R.T. -0.00 min

Lab File: VL034944.D

Acq: 6 May 2020 16:13

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	43	Resp:	4740
Ion	Ratio	Lower	Upper
43	100		
86	8.1	5.5	8.3
42	0.0	8.0	12.0#
44	33.2	4.5	6.7#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

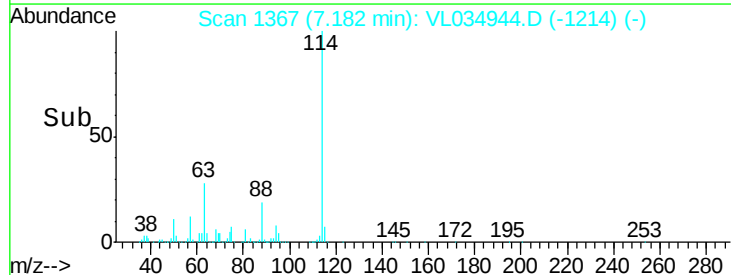
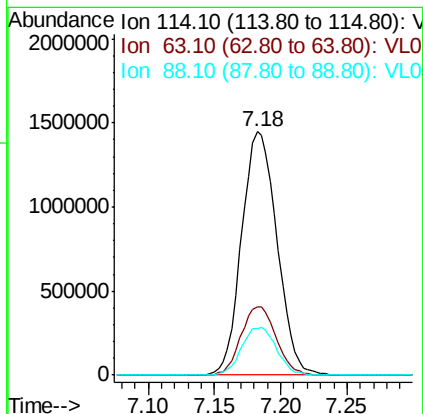
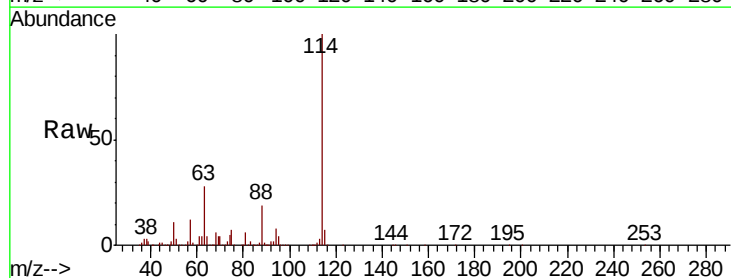
RT: 7.18 min Scan# 1367

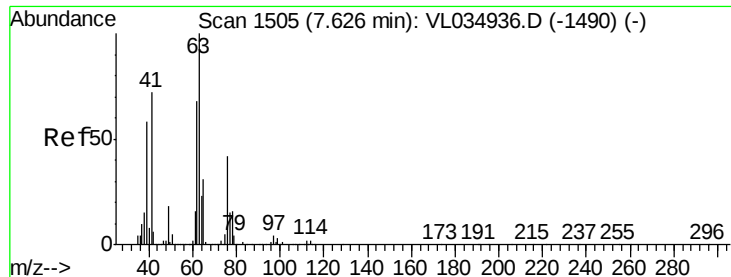
Delta R.T. -0.01 min

Lab File: VL034944.D

Acq: 6 May 2020 16:13

Tgt Ion:	114	Resp:	2685954
Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.2	33.4
88	19.5	15.5	23.3





#39

1,2-Dichloropropane

Concen: 8.389 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.44 min

Lab File: VL034944.D

Acq: 6 May 2020 16:13

Instrument :

MSVOA_L

ClientSampled :

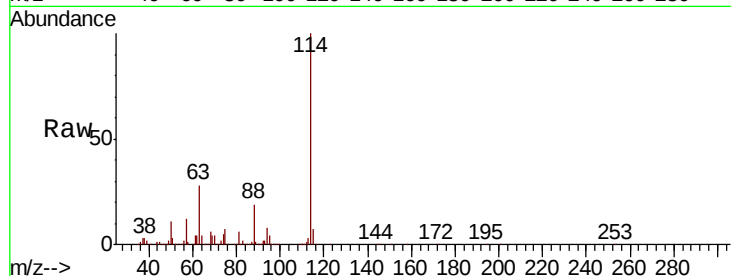
Tot Ion: 63 Resp: 744756

Ion Ratio Lower Upper

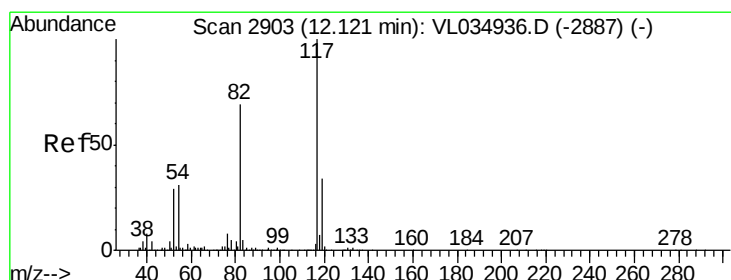
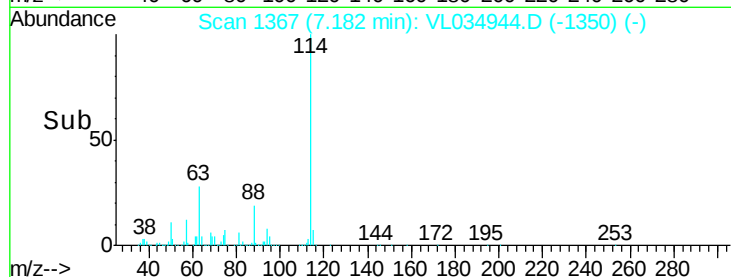
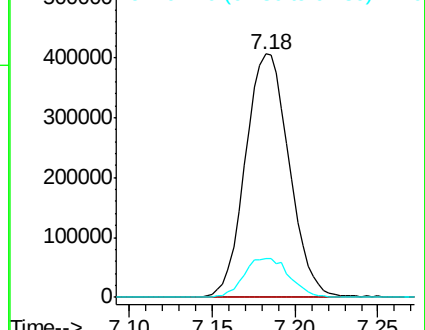
63 100

41 0.1 57.8 86.8#

62 16.0 54.2 81.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VL034944.D

Acq: 6 May 2020 16:13

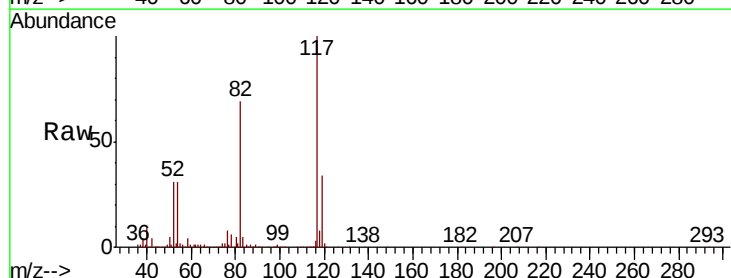
Tgt Ion: 117 Resp: 2518346

Ion Ratio Lower Upper

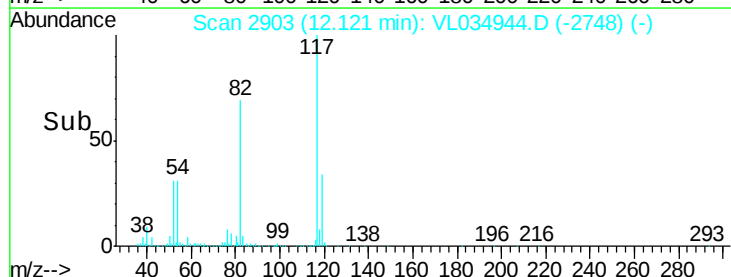
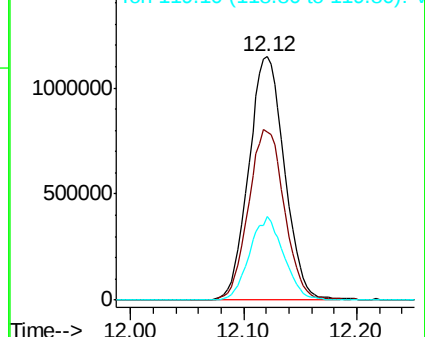
117 100

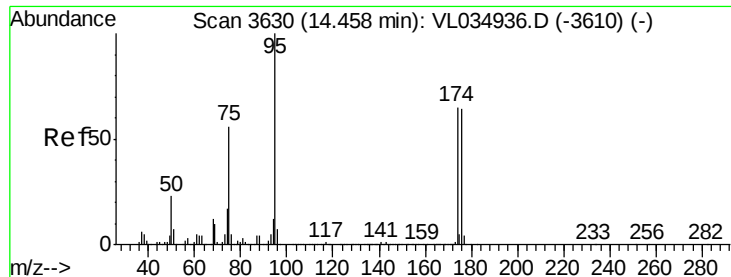
82 70.6 53.1 79.7

119 33.1 26.7 40.1



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: 10.356 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VL034944.D

Acq: 6 May 2020 16:13

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2111044

Ion Ratio Lower Upper

95 100

174 64.4 51.5 77.3

175 4.7 3.8 5.8

