

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
 Data File : VL034256.D
 Acq On : 8 Oct 2019 19:51
 Operator : SY/AP
 Sample : K5222-03DL2 1200X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-3DL2

Quant Time: Oct 09 05:20:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1127716	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1827905	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1860618	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1646845	10.19	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

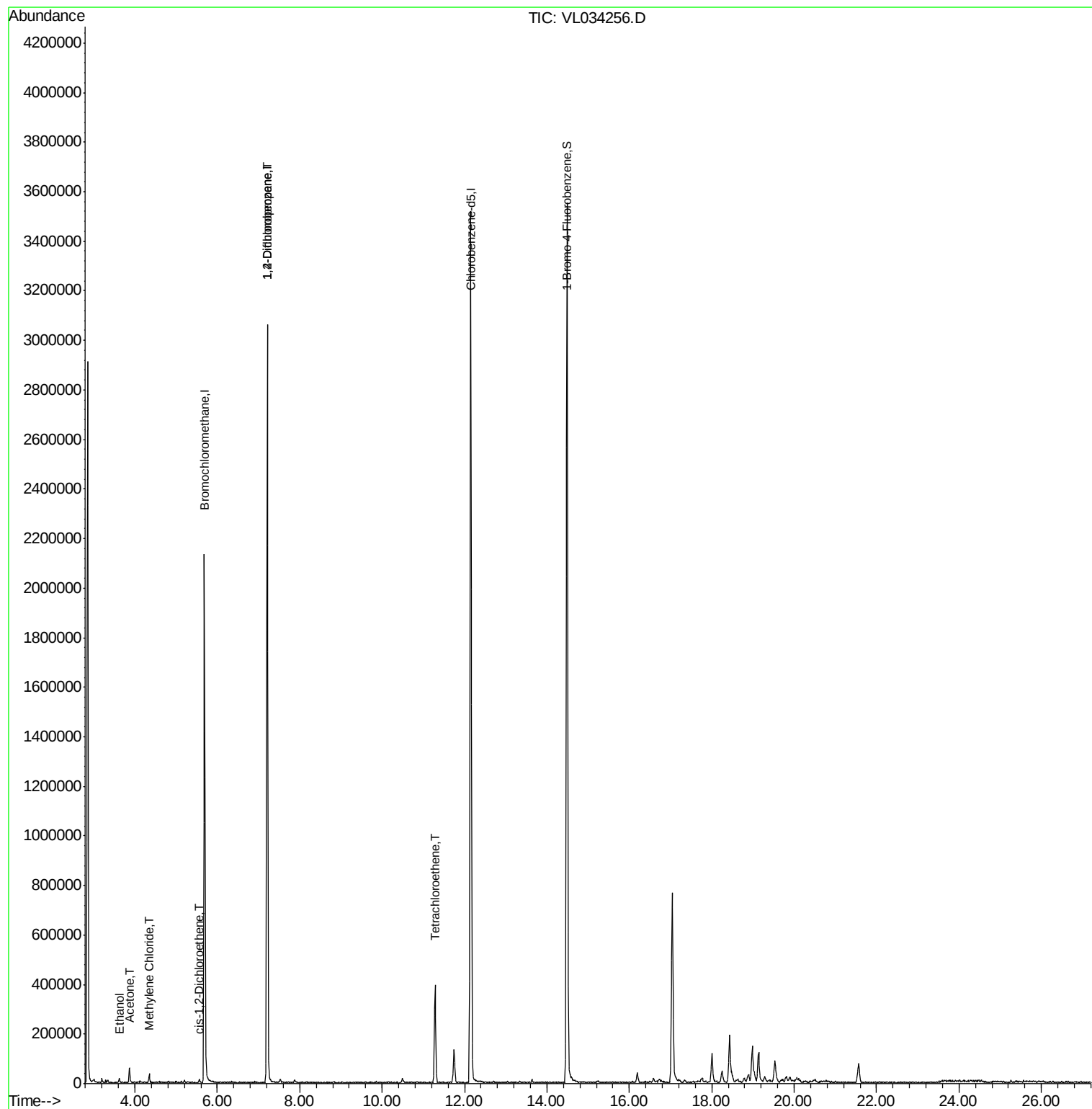
Target Compounds						Qvalue
13) Ethanol	3.62	45	10554	0.668	ppbv	88
15) Acetone	3.86	43	26881	0.178	ppbv #	49
20) Methylene Chloride	4.36	84	1598	0.037	ppbv	84
31) cis-1,2-Dichloroethene	5.57	61	6046	0.050	ppbv #	83
39) 1,2-Dichloropropane	7.21	63	630995	6.956	ppbv #	21
52) Tetrachloroethene	11.28	164	74050	1.110	ppbv	91

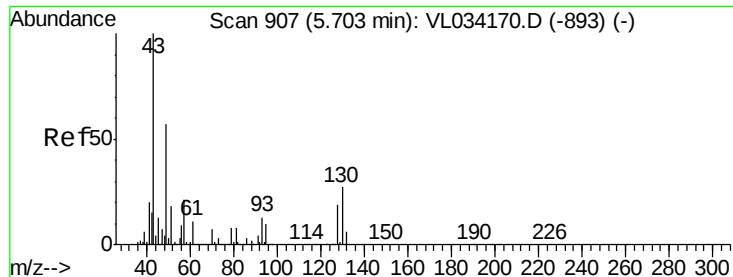
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034256.D

Acq: 8 Oct 2019 19:51

Instrument :

MSVOA_L

ClientSampleId :

V-3DL2

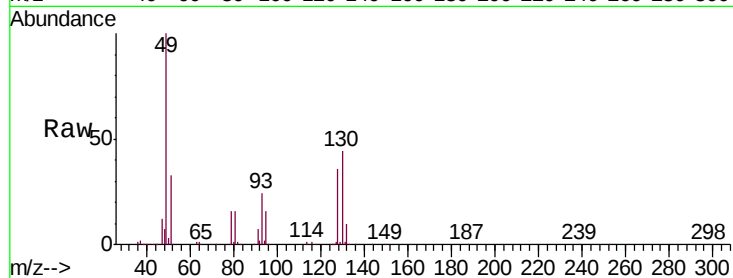
Tgt Ion: 49 Resp: 1127716

Ion Ratio Lower Upper

49 100

128 35.2 17.6 52.9

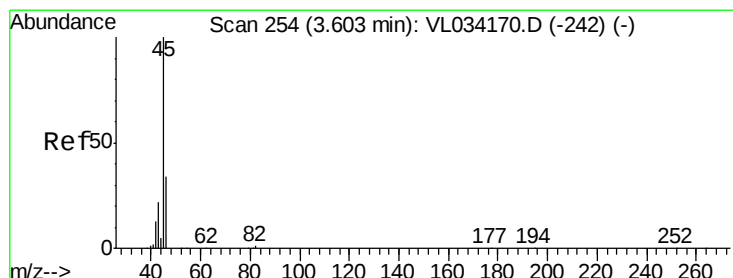
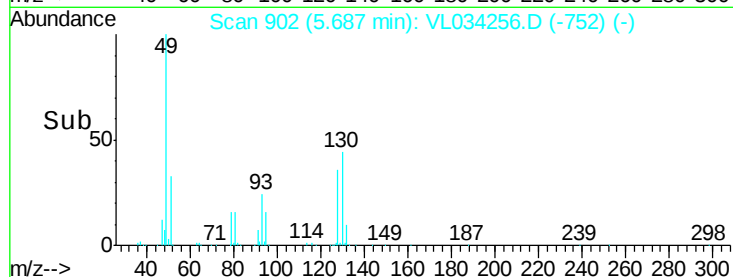
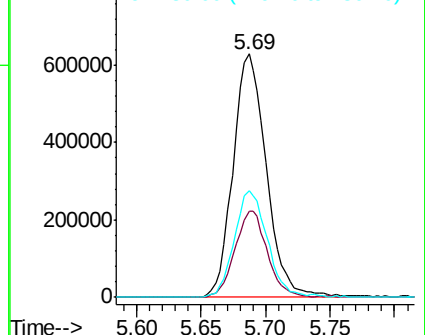
130 44.1 22.3 66.9



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



#13

Ethanol

Concen: 0.668 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL034256.D

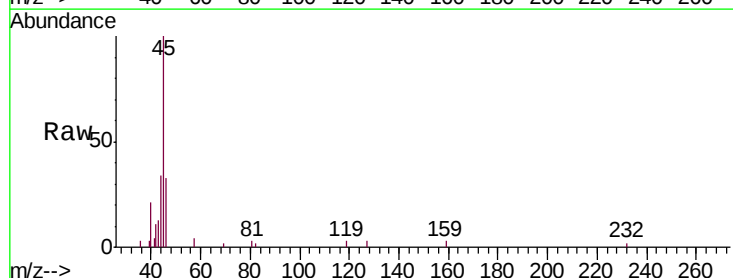
Acq: 8 Oct 2019 19:51

Tgt Ion: 45 Resp: 10554

Ion Ratio Lower Upper

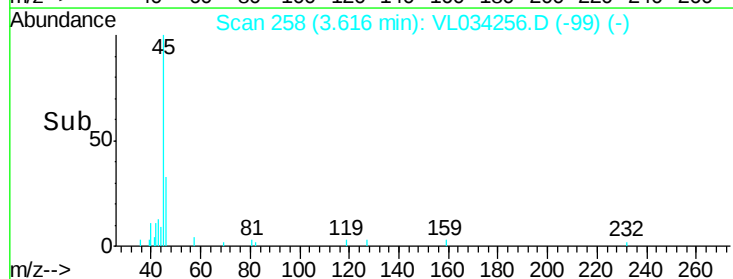
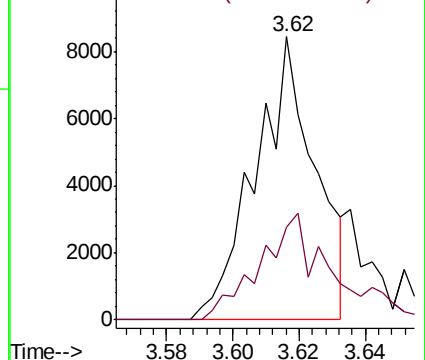
45 100

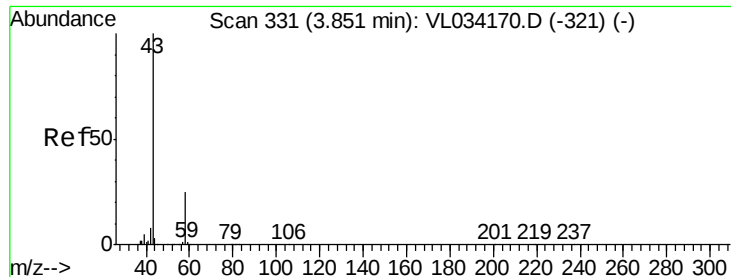
46 45.7 15.5 61.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.178 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL034256.D

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Instrument :

MSVOA_L

ClientSampleId :

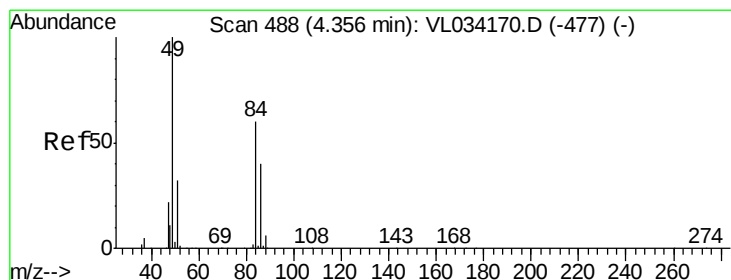
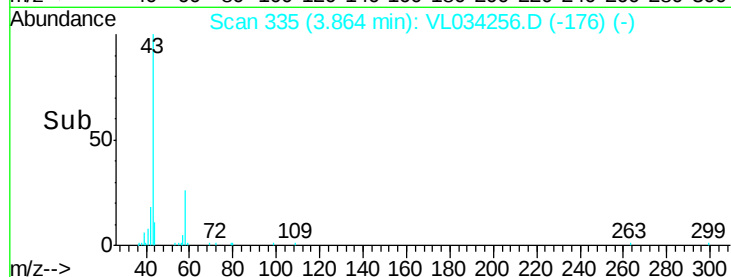
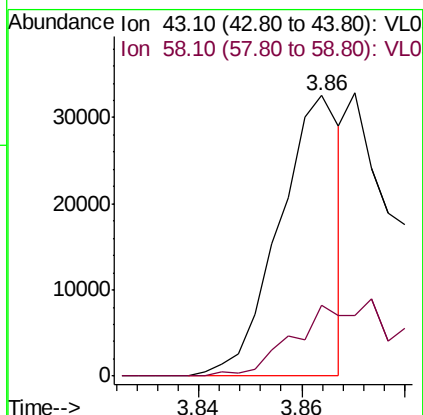
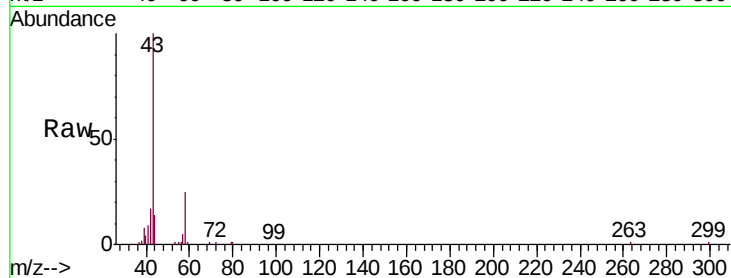
V-3DL2

Tgt Ion: 43 Resp: 26881

Ion Ratio Lower Upper

43 100

58 0.0 20.5 30.7#



#20

Methylene Chloride

Concen: 0.037 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.00 min

Lab File: VL034256.D

Acq: 8 Oct 2019 19:51

Tgt Ion: 84 Resp: 1598

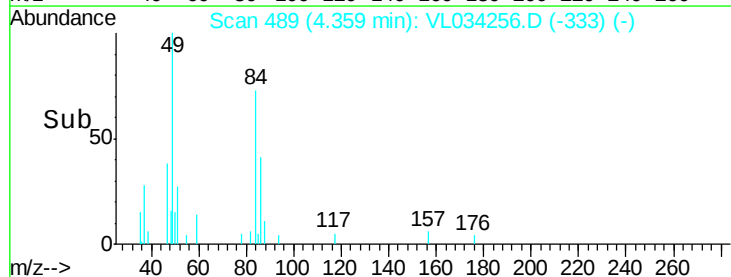
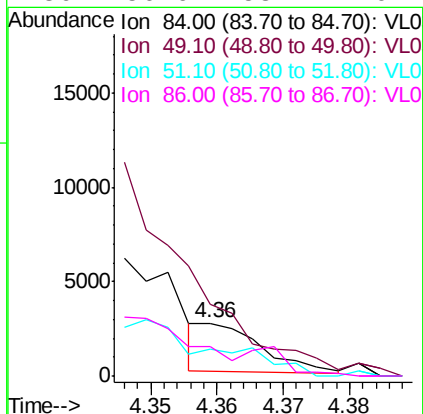
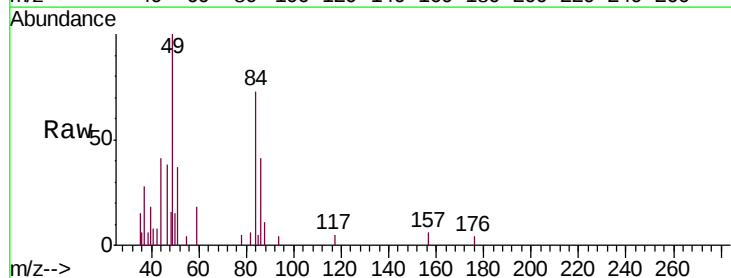
Ion Ratio Lower Upper

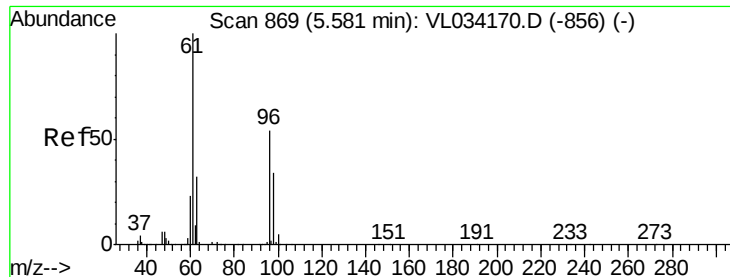
84 100

49 138.4 133.8 200.8

51 56.4 43.6 65.4

86 56.6 53.1 79.7



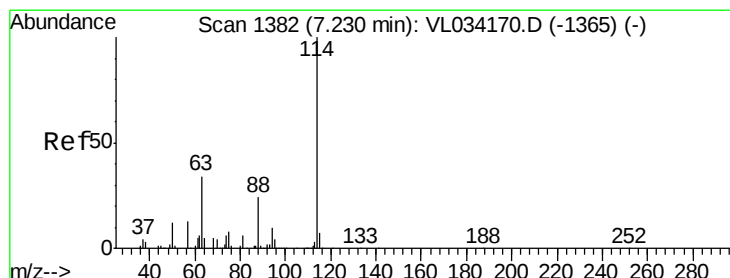
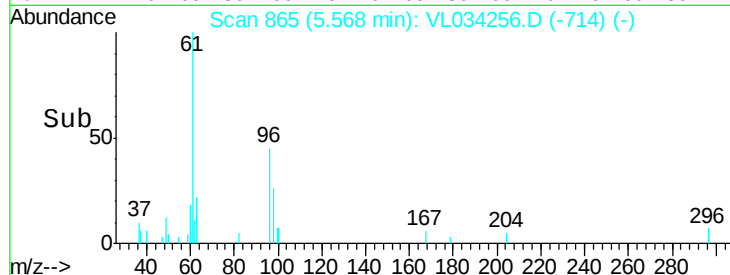
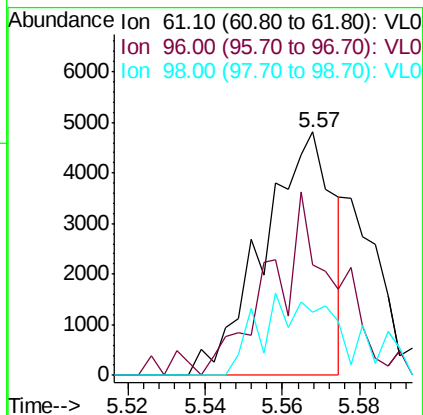
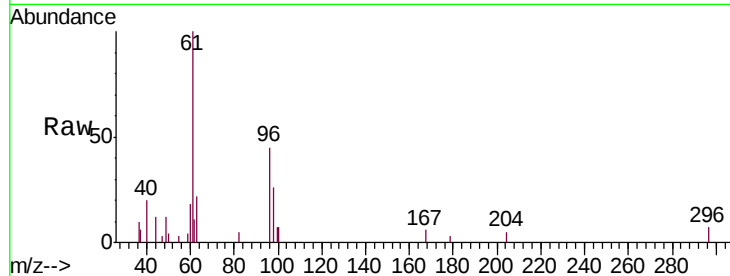


#31

cis-1,2-Dichloroethene
 Concen: 0.050 ppbv
 RT: 5.57 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VL034256.D
 Acq: 8 Oct 2019 19:51

Instrument :
 MSVOA_L
 ClientSampleId :
 V-3DL2

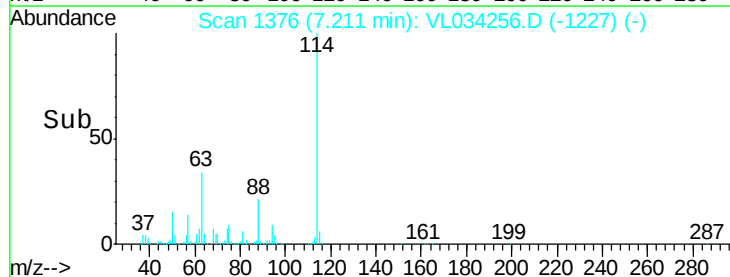
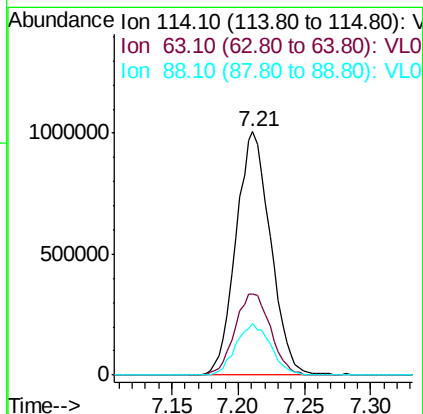
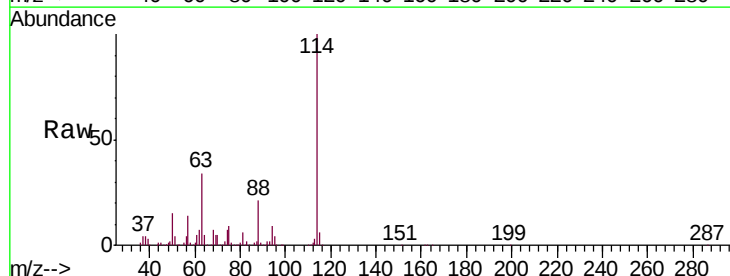
Tgt Ion: 61 Resp: 6046
 Ion Ratio Lower Upper
 61 100
 96 39.7 43.0 64.4#
 98 25.9 27.2 40.8#

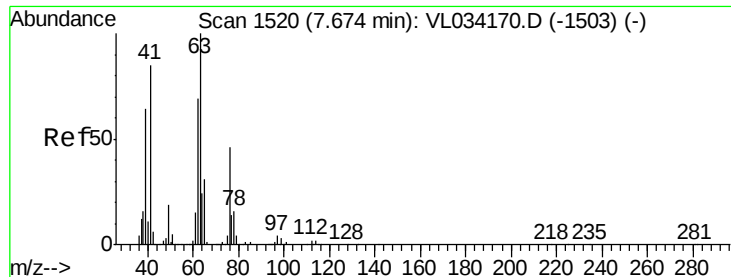


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.02 min
 Lab File: VL034256.D
 Acq: 8 Oct 2019 19:51

Tgt Ion: 114 Resp: 1827905
 Ion Ratio Lower Upper
 114 100
 63 34.6 27.8 41.6
 88 21.3 17.1 25.7

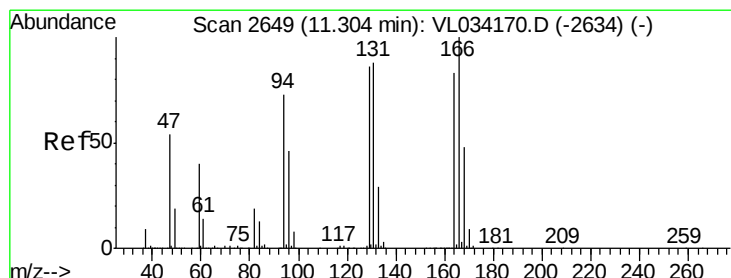
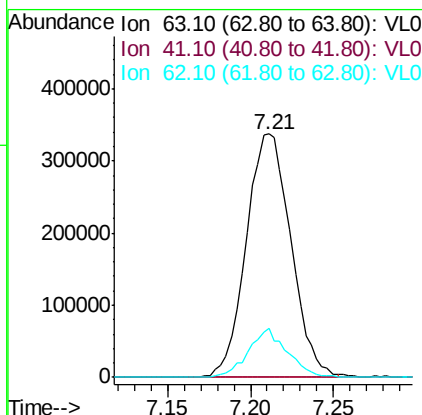
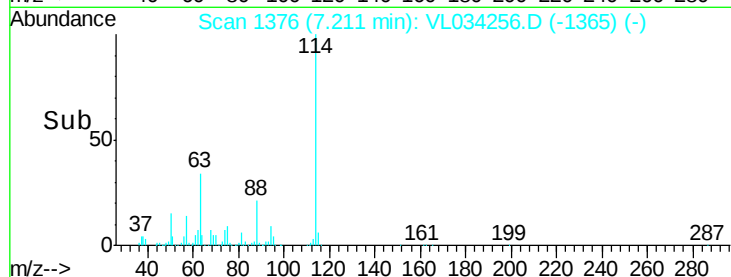
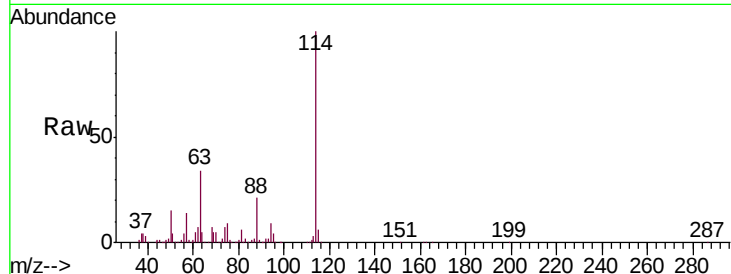




#39
 1,2-Dichloropropane
 Concen: 6.956 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.46 min
 Lab File: VL034256.D
 Acq: 8 Oct 2019 19:51

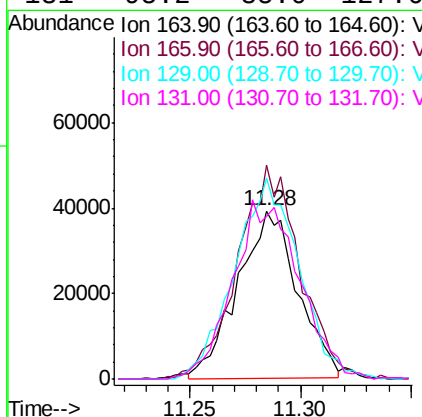
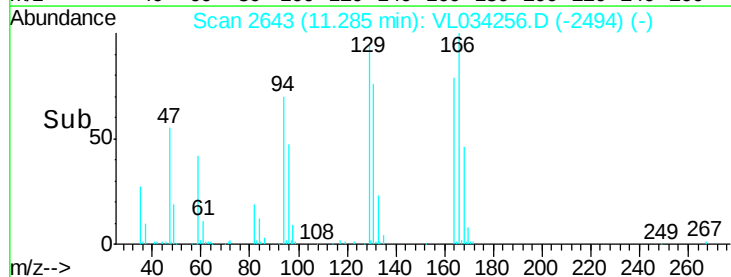
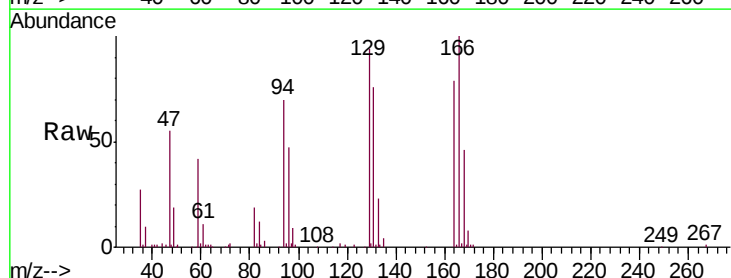
Instrument :
 MSVOA_L
 ClientSampleId :
 V-3DL2

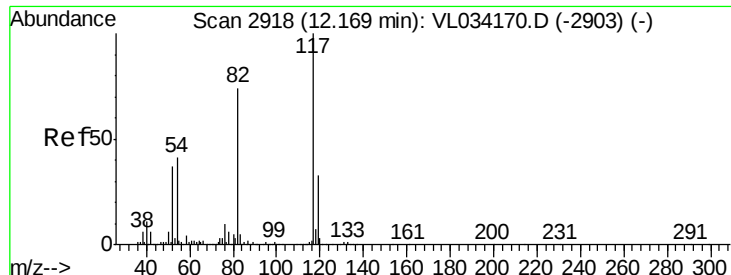
Tgt Ion: 63 Resp: 630995
 Ion Ratio Lower Upper
 63 100
 41 0.0 68.4 102.6#
 62 20.0 55.4 83.2#



#52
 Tetrachloroethene
 Concen: 1.110 ppbv
 RT: 11.28 min Scan# 2643
 Delta R.T. -0.02 min
 Lab File: VL034256.D
 Acq: 8 Oct 2019 19:51

Tgt Ion: 164 Resp: 74050
 Ion Ratio Lower Upper
 164 100
 166 125.1 96.7 145.1
 129 117.1 82.8 124.2
 131 95.2 85.0 127.6

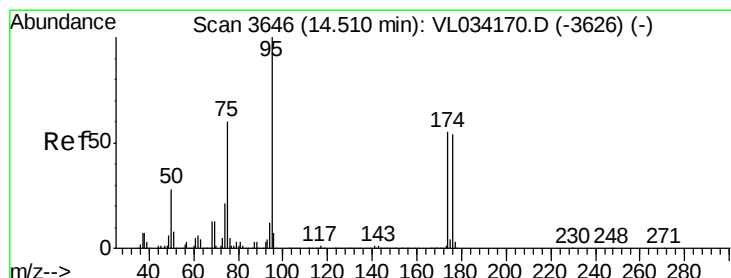
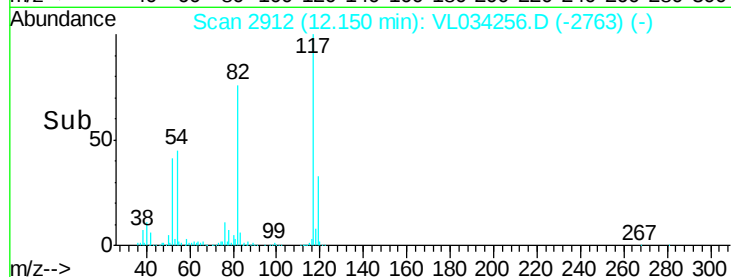
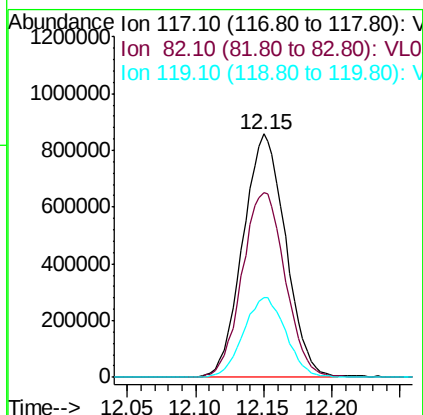
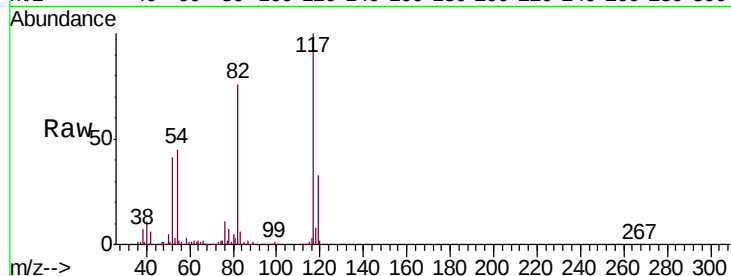




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.02 min
Lab File: VL034256.D
Acq: 8 Oct 2019 19:51

Instrument :
MSVOA_L
ClientSampleID :
V-3DL2

Tgt Ion: 117 Resp: 1860618
Ion Ratio Lower Upper
117 100
82 76.9 58.2 87.4
119 32.7 23.7 35.5



#68
1-Bromo-4-Fluorobenzene
Concen: 10.186 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.02 min
Lab File: VL034256.D
Acq: 8 Oct 2019 19:51

Tgt Ion: 95 Resp: 1646845
Ion Ratio Lower Upper
95 100
174 54.6 45.1 67.7
175 3.9 3.3 4.9

