

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070820\
 Data File : VL035176.D
 Acq On : 8 Jul 2020 9:05
 Operator : SY/AP
 Sample : VL0708ABL01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0708ABL01

Quant Time: Jul 08 12:55:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1184207	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2842010	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2605088	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2149824	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

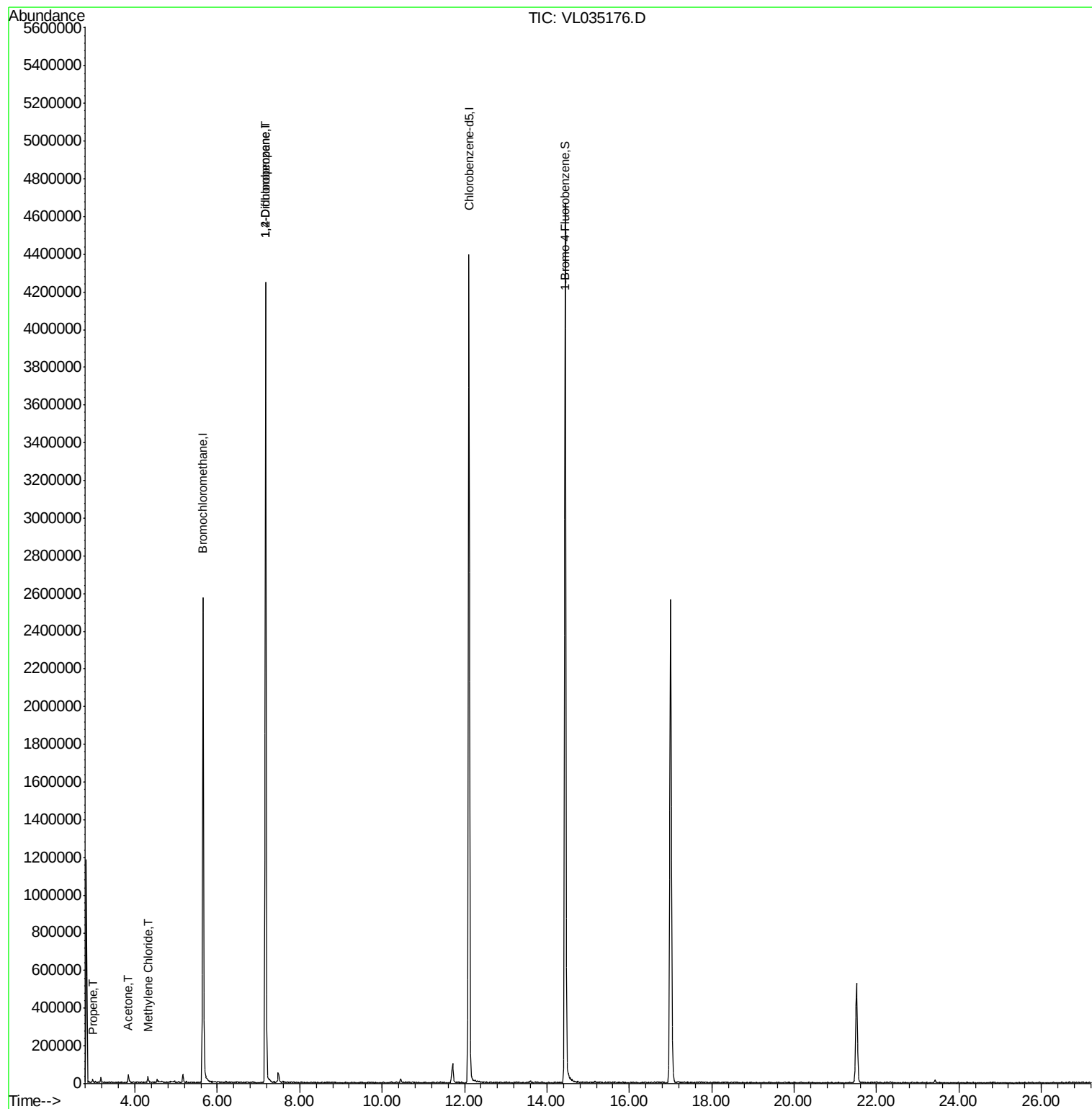
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.98	41	2968	0.060	ppbv	94
15) Acetone	3.84	43	31772	0.198	ppbv #	39
20) Methylene Chloride	4.31	84	2550	0.037	ppbv #	38
39) 1,2-Dichloropropane	7.17	63	769942	9.412	ppbv #	23

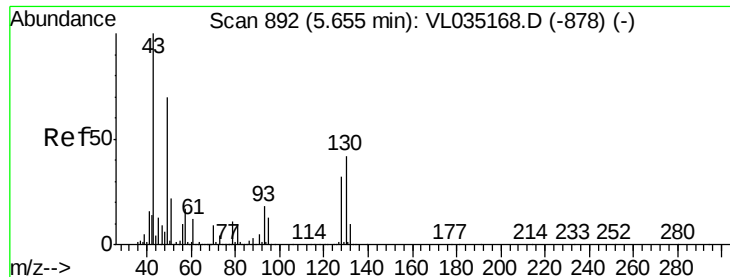
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL035176.D

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MSVOA_L

ClientSampleId :

VL0708ABL01

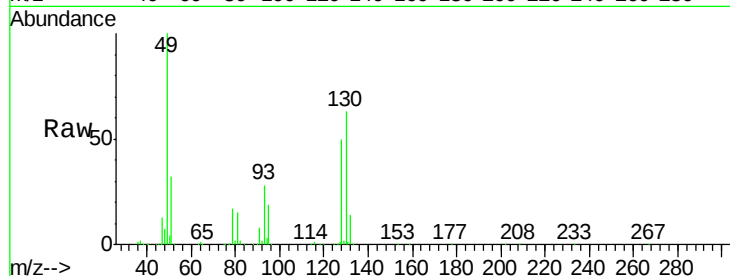
Tgt Ion: 49 Resp: 1184207

Ion Ratio Lower Upper

49 100

128 48.6 23.8 71.4

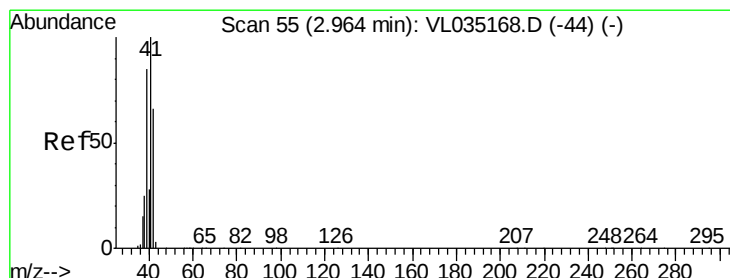
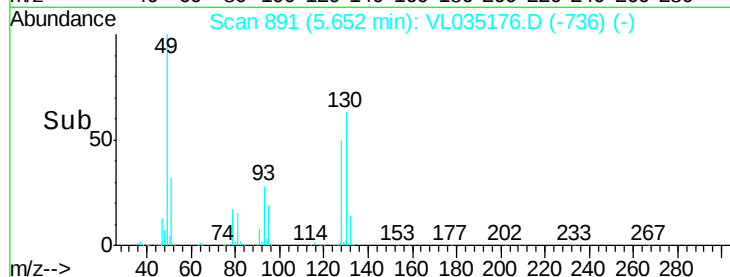
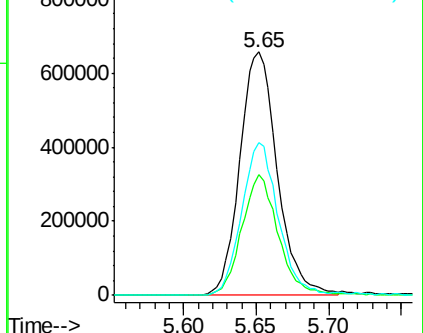
130 62.2 29.9 89.8



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: 0.060 ppbv

RT: 2.98 min Scan# 59

Delta R.T. 0.01 min

Lab File: VL035176.D

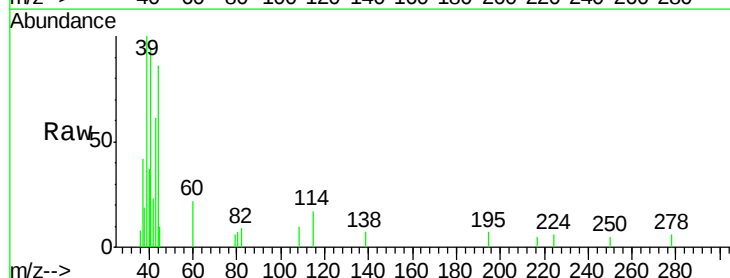
Acq: 8 Jul 2020 9:05

Tgt Ion: 41 Resp: 2968

Ion Ratio Lower Upper

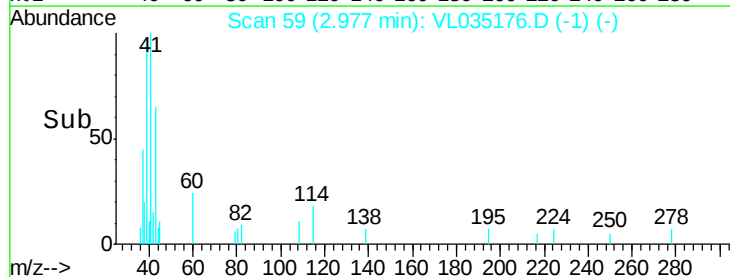
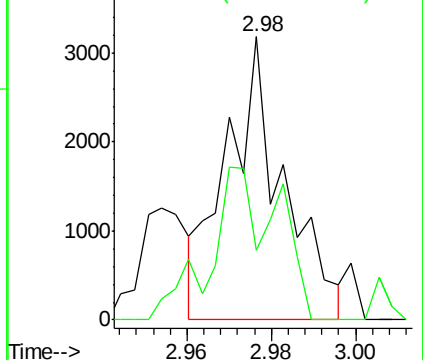
41 100

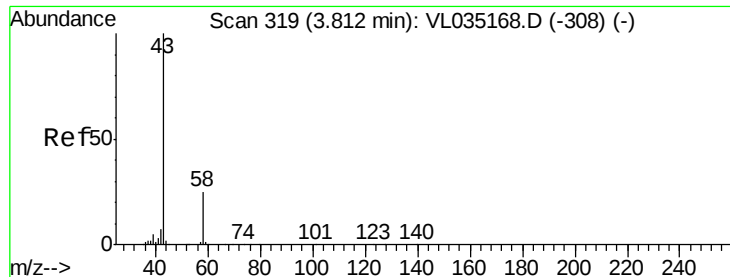
42 63.4 54.6 81.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.198 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.03 min

Lab File: VL035176.D

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Instrument :

MSVOA_L

ClientSampleId :

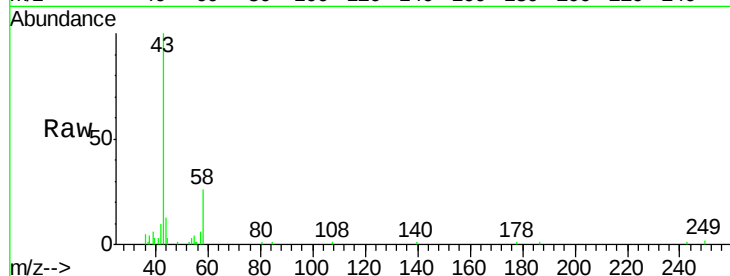
VL0708ABL01

Tgt Ion: 43 Resp: 31772

Ion Ratio Lower Upper

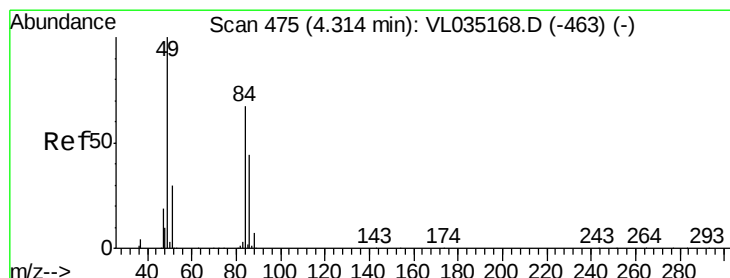
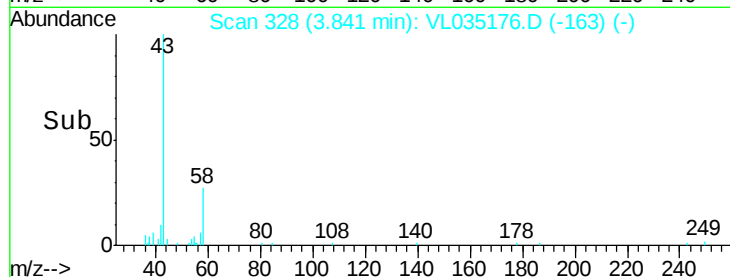
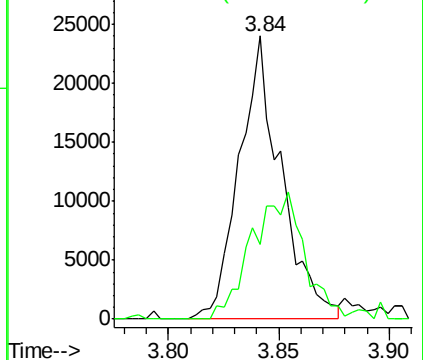
43 100

58 57.9 21.3 31.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.037 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.01 min

Lab File: VL035176.D

Acq: 8 Jul 2020 9:05

Tgt Ion: 84 Resp: 2550

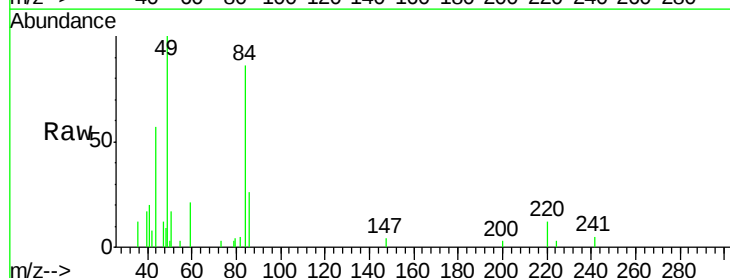
Ion Ratio Lower Upper

84 100

49 56.9 119.4 179.0#

51 0.0 36.6 55.0#

86 41.6 52.5 78.7#

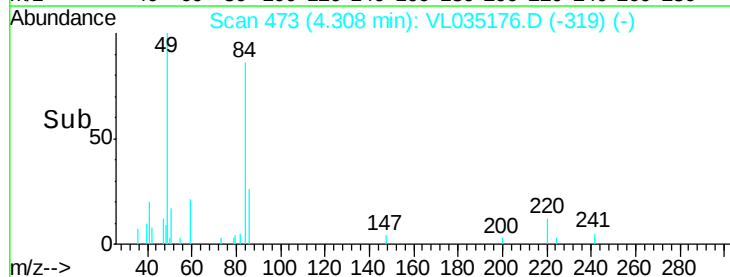
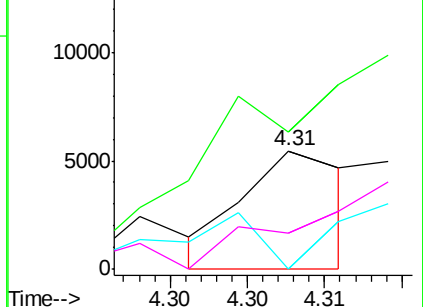


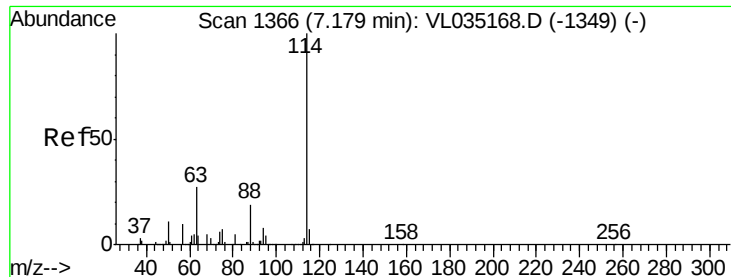
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

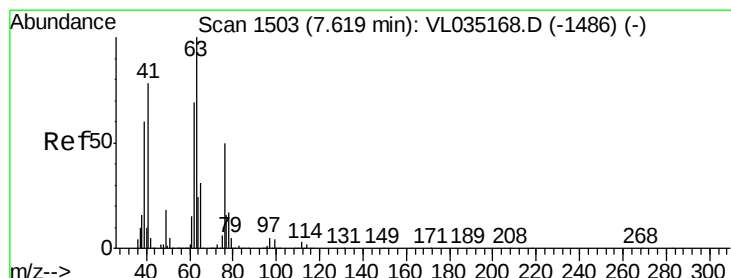
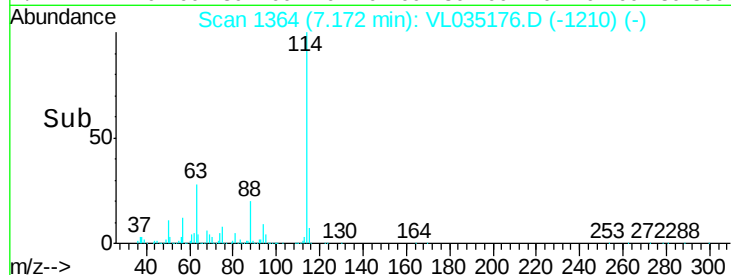
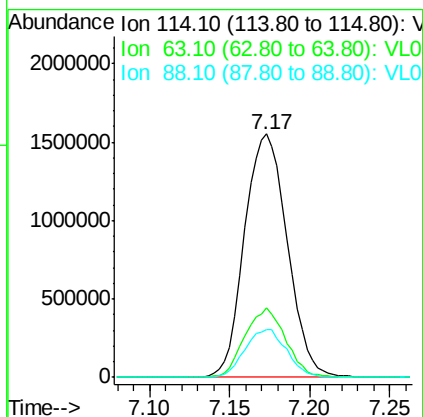
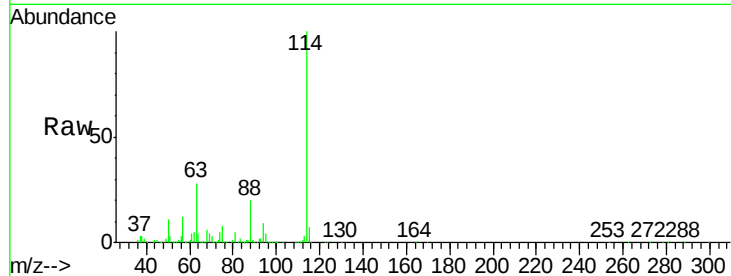




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL035176.D
 Acq: 8 Jul 2020 9:05

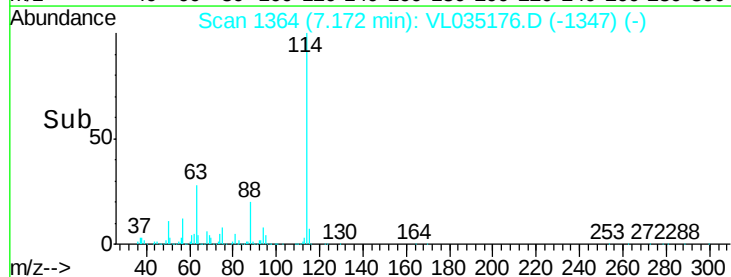
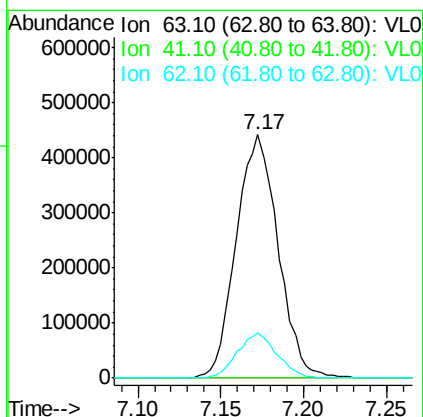
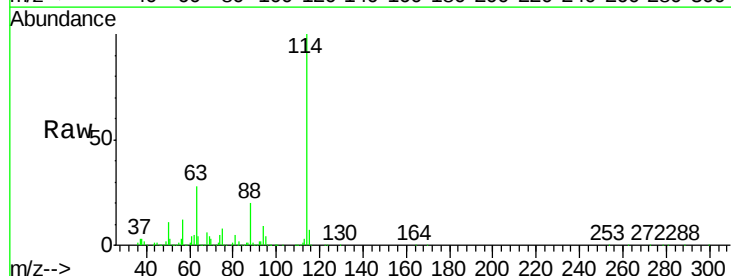
Instrument :
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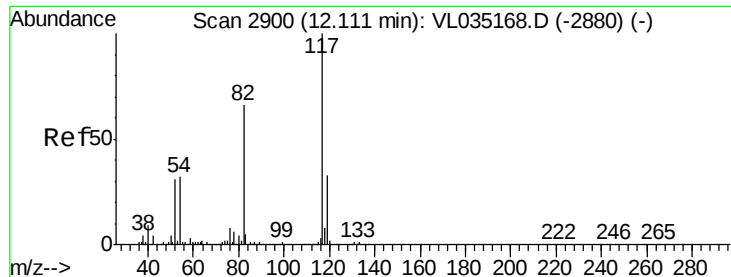
Tgt Ion: 114 Resp: 2842010
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.0 33.0
 88 19.3 15.4 23.0



#39
 1,2-Dichloropropane
 Concen: 9.412 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.45 min
 Lab File: VL035176.D
 Acq: 8 Jul 2020 9:05

Tgt Ion: 63 Resp: 769942
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.6 94.0#
 62 18.4 55.0 82.6#

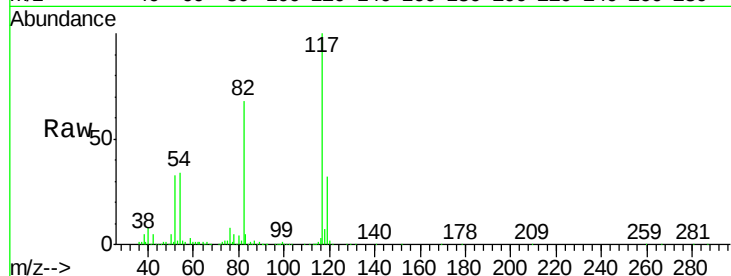




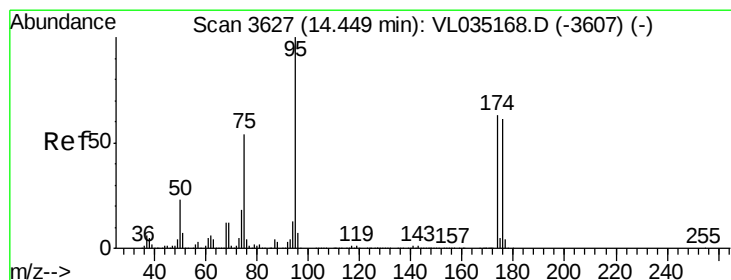
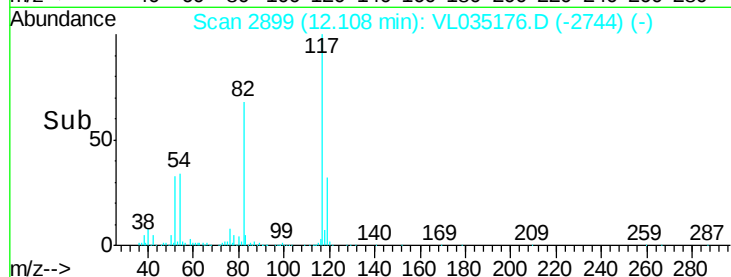
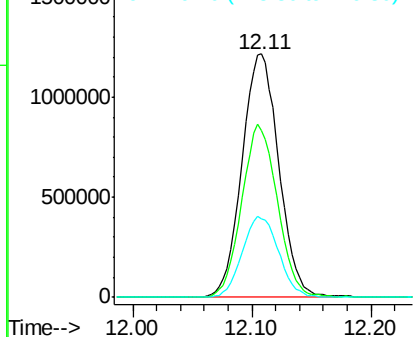
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL035176.D
Acq: 8 Jul 2020 9:05

Instrument :
MSVOA_L
ClientSampleId :
VL0708ABL01

Tgt Ion: 117 Resp: 2605088
Ion Ratio Lower Upper
117 100
82 69.3 52.3 78.5
119 33.0 24.9 37.3

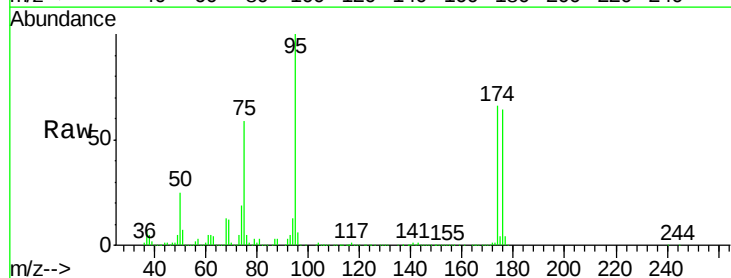


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.159 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.00 min
Lab File: VL035176.D
Acq: 8 Jul 2020 9:05

Tgt Ion: 95 Resp: 2149824
Ion Ratio Lower Upper
95 100
174 65.1 52.2 78.2
175 4.8 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): V
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

