

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100820\
 Data File : VL035752.D
 Acq On : 8 Oct 2020 19:34
 Operator : SY/AP
 Sample : OC100520 CAN 10410
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Oct 09 01:19:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1240728	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4609844	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4489691	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3318889	9.86	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

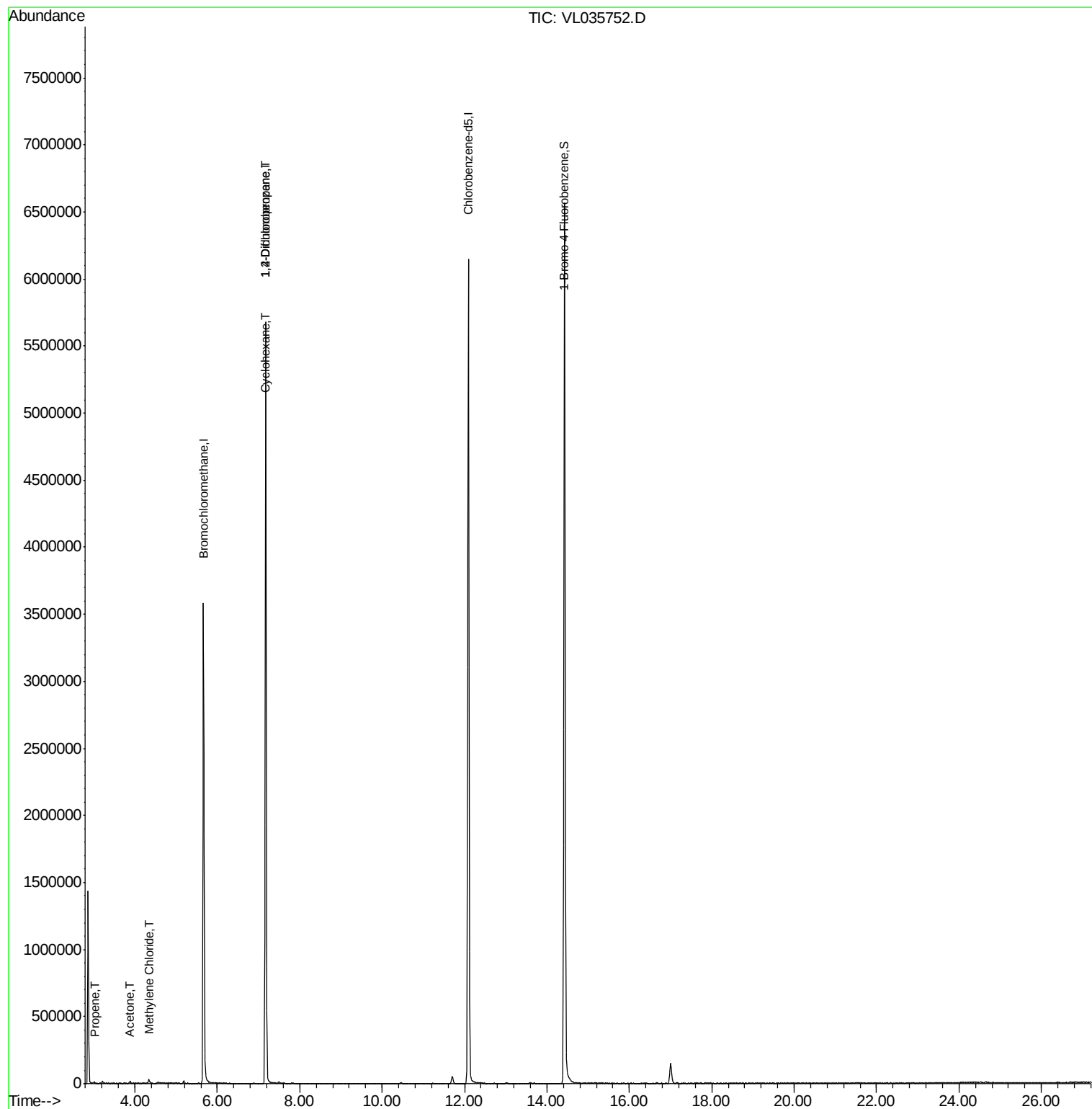
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	3542	0.073	ppbv	96
15) Acetone	3.87	43	9128	0.068	ppbv #	1
20) Methylene Chloride	4.34	84	14863	0.152	ppbv	93
30) Cyclohexane	7.16	84	5355	0.041	ppbv #	9
39) 1,2-Dichloropropane	7.17	63	910895	8.366	ppbv #	30

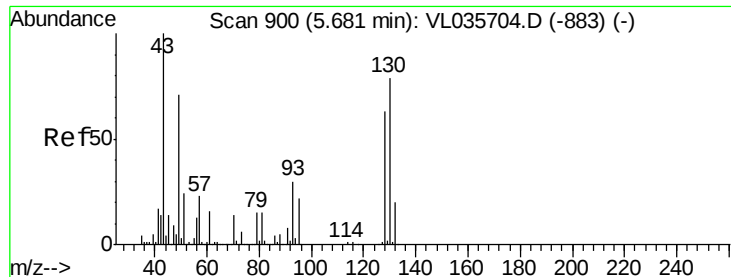
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL035752.D

Acq: 8 Oct 2020 19:34

Instrument :

MSVOA_L

ClientSampleId :

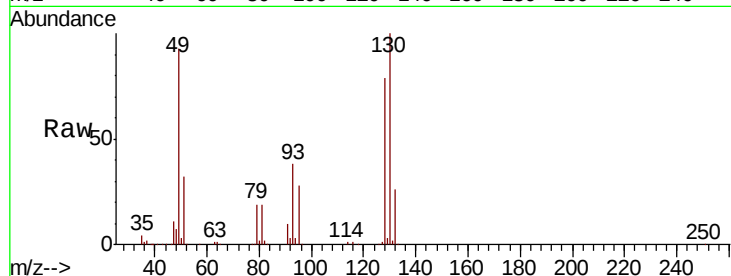
Tot Ion: 49 Resp: 1240728

Ion Ratio Lower Upper

49 100

128 85.3 43.1 129.4

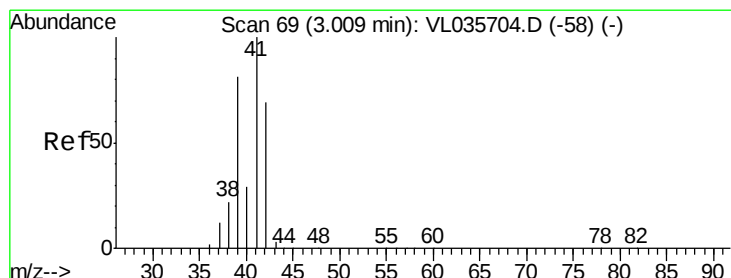
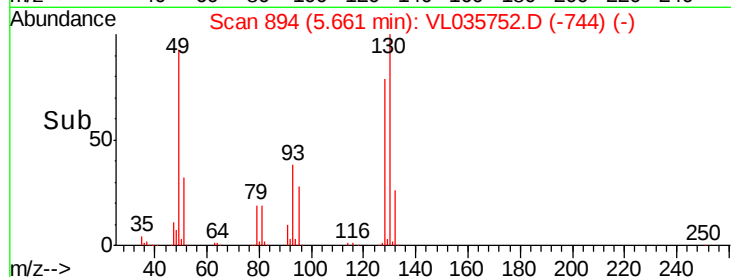
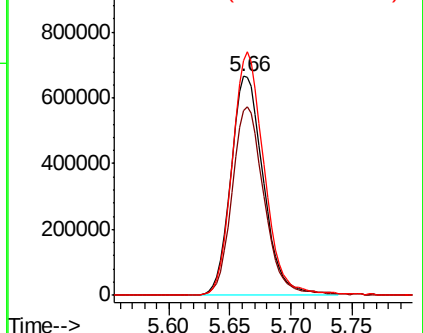
130 109.0 54.9 164.7



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



#9

Propene

Concen: 0.073 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL035752.D

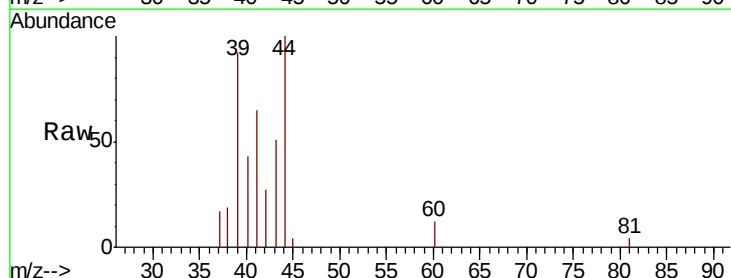
Acq: 8 Oct 2020 19:34

Tgt Ion: 41 Resp: 3542

Ion Ratio Lower Upper

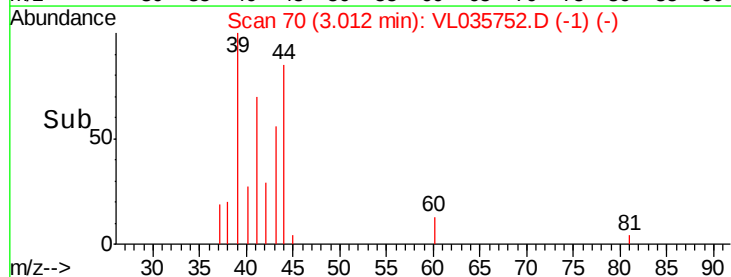
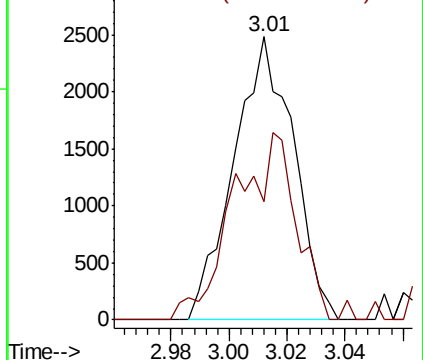
41 100

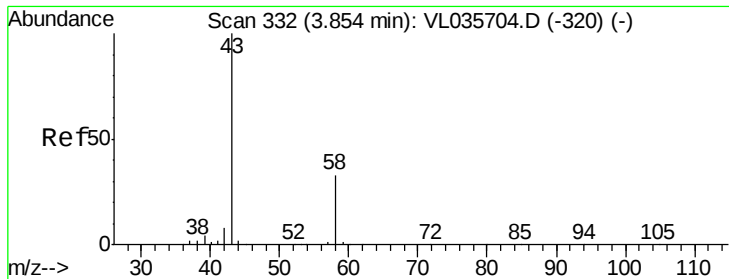
42 73.7 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.068 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.02 min

Lab File: VL035752.D

Acq: 8 Oct 2020 19:34

Instrument :

MSVOA_L

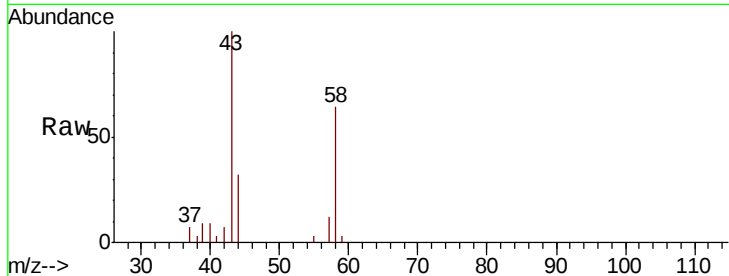
ClientSampleId :

Tot Ion: 43 Resp: 9128

Ion Ratio Lower Upper

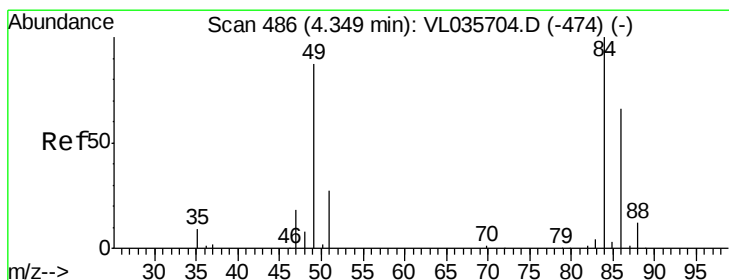
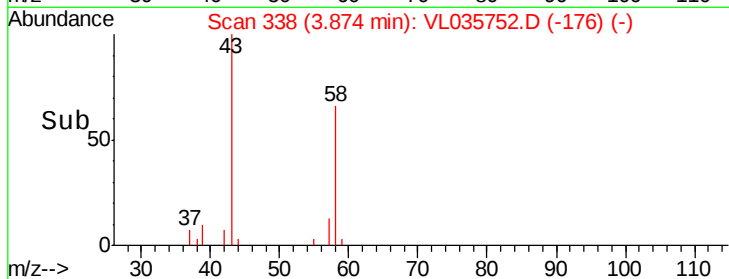
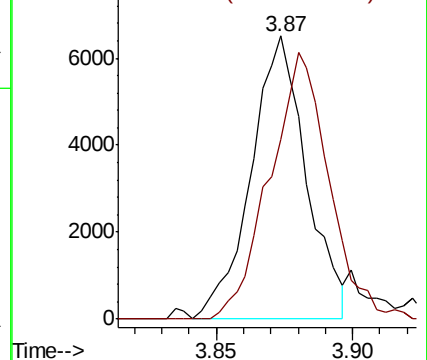
43 100

58 101.3 27.3 40.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.152 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL035752.D

Acq: 8 Oct 2020 19:34

Tgt Ion: 84 Resp: 14863

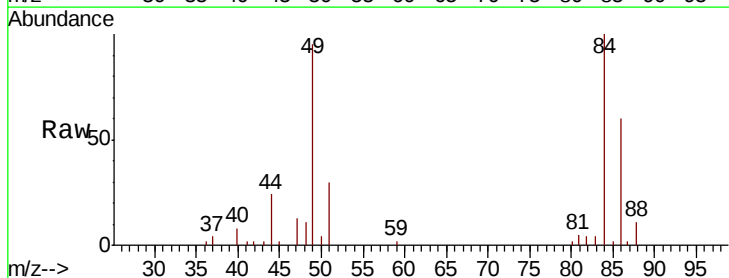
Ion Ratio Lower Upper

84 100

49 94.8 69.8 104.6

51 29.6 21.8 32.8

86 59.5 52.6 78.8

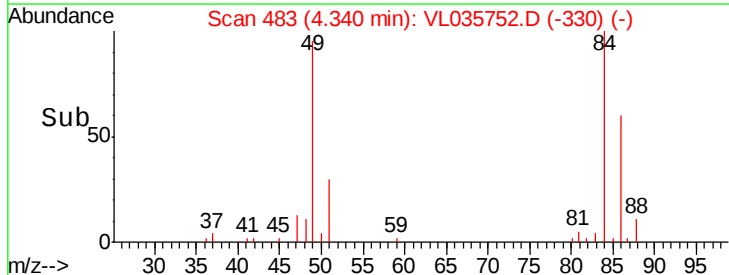
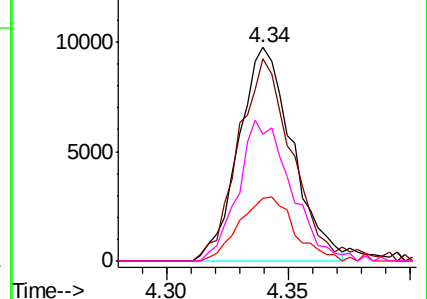


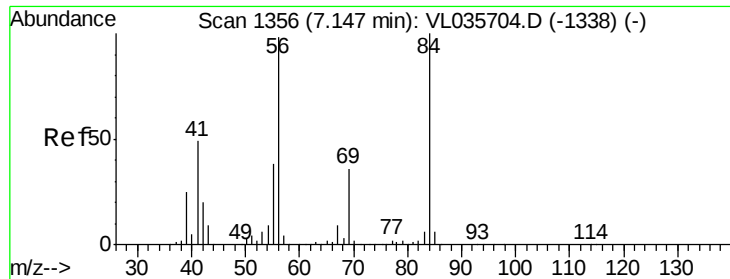
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

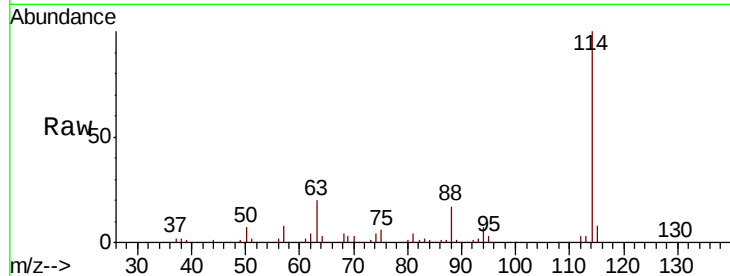




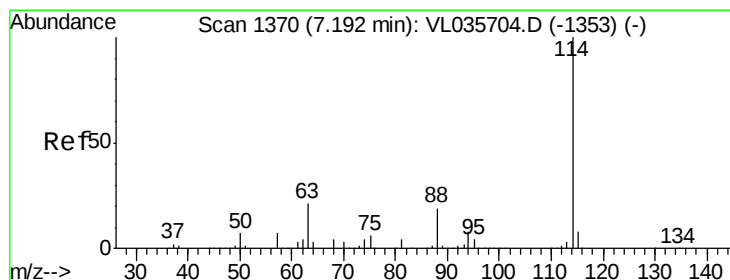
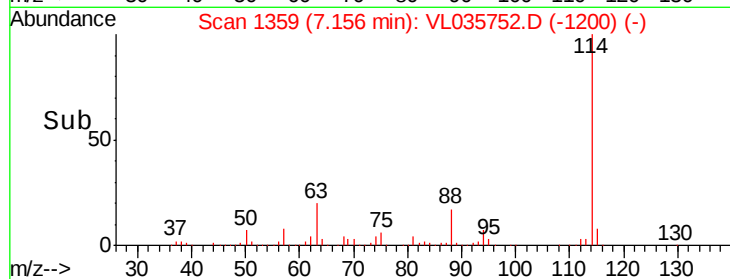
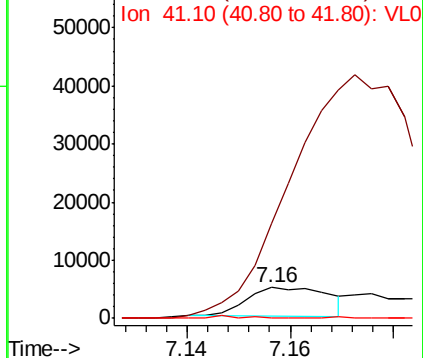
#30
Cyclohexane
Concen: 0.041 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VL035752.D
Acq: 8 Oct 2020 19:34

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 84 Resp: 5355
Ion Ratio Lower Upper
84 100
56 0.0 84.6 127.0#
41 4.4 41.1 61.7#

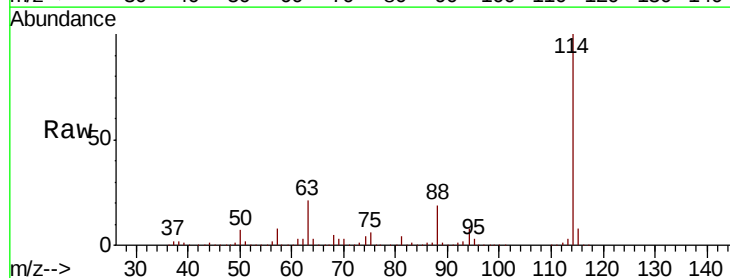


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

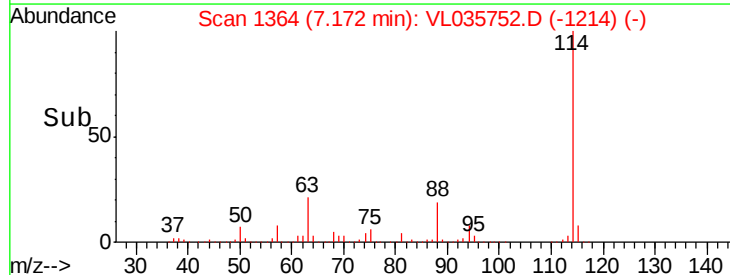
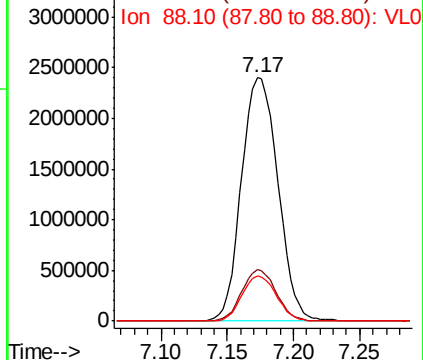


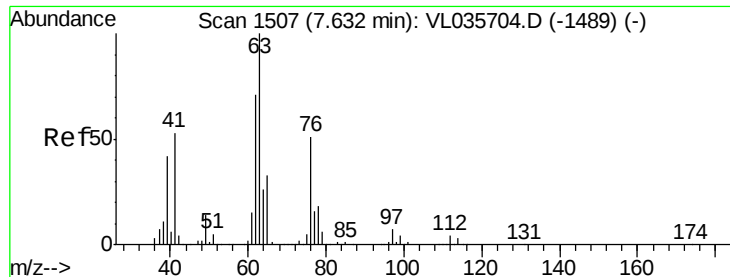
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.02 min
Lab File: VL035752.D
Acq: 8 Oct 2020 19:34

Tgt Ion: 114 Resp: 4609844
Ion Ratio Lower Upper
114 100
63 19.9 16.1 24.1
88 17.5 14.1 21.1



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0

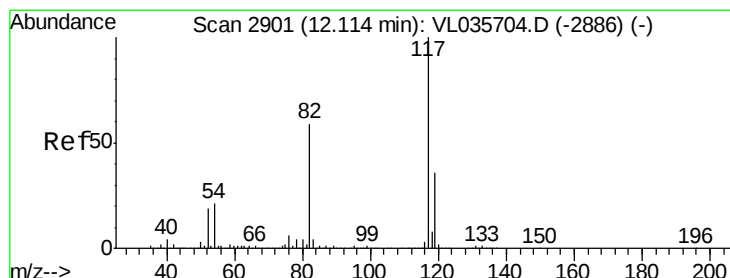
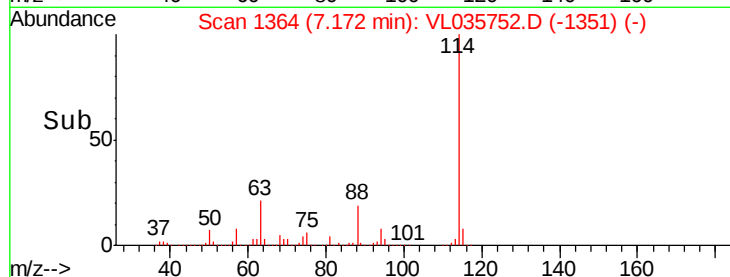
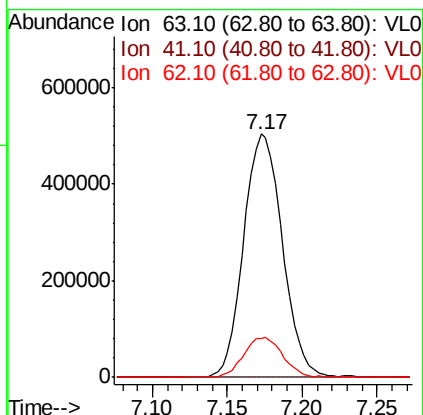
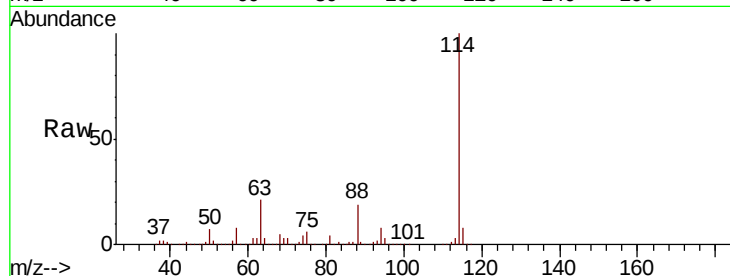




#39
 1,2-Dichloropropane
 Concen: 8.366 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.46 min
 Lab File: VL035752.D
 Acq: 8 Oct 2020 19:34

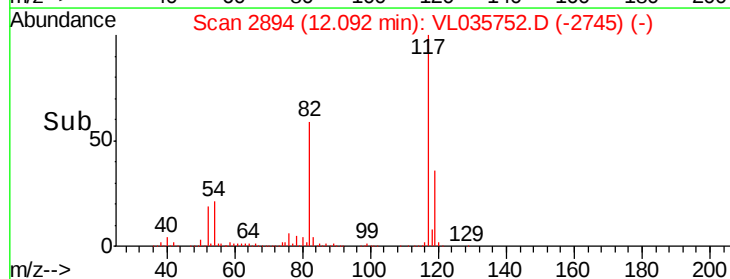
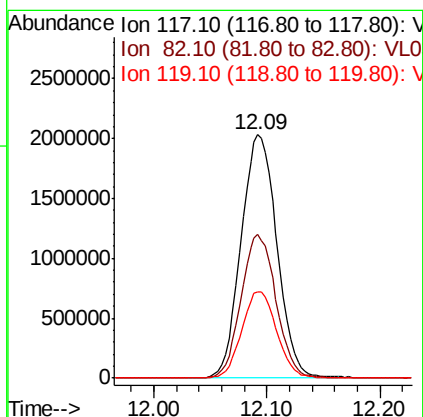
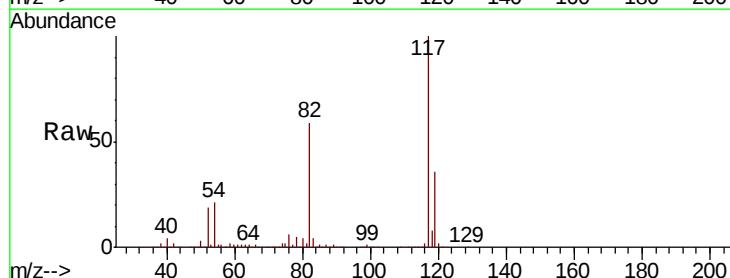
Instrument :
 MSVOA_L
 ClientSampleId :

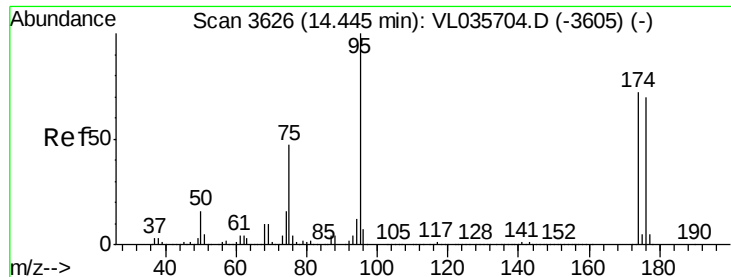
Tot Ion	63	Resp	910895
Ion Ratio	Lower	Upper	
63	100		
41	0.0	42.6	63.8#
62	16.1	56.5	84.7#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2894
 Delta R.T. -0.02 min
 Lab File: VL035752.D
 Acq: 8 Oct 2020 19:34

Tgt Ion	117	Resp	4489691
Ion Ratio	Lower	Upper	
117	100		
82	57.9	46.1	69.1
119	34.7	28.0	42.0

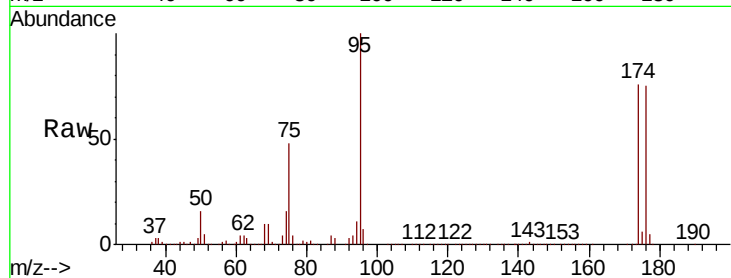




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.865 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. -0.02 min
 Lab File: VL035752.D
 Acq: 8 Oct 2020 19:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 3318889
 Ion Ratio Lower Upper
 95 100
 174 77.8 59.6 89.4
 175 5.6 4.2 6.4



Abundance Ion 95.10 (94.80 to 95.80): VL0
 2000000
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

