

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111220\
 Data File : VL035909.D
 Acq On : 12 Nov 2020 11:13
 Operator : SY/AP
 Sample : VL1112ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1112ABL01

Quant Time: Nov 13 00:56:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1136006	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4069168	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3829383	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2814809	10.35	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

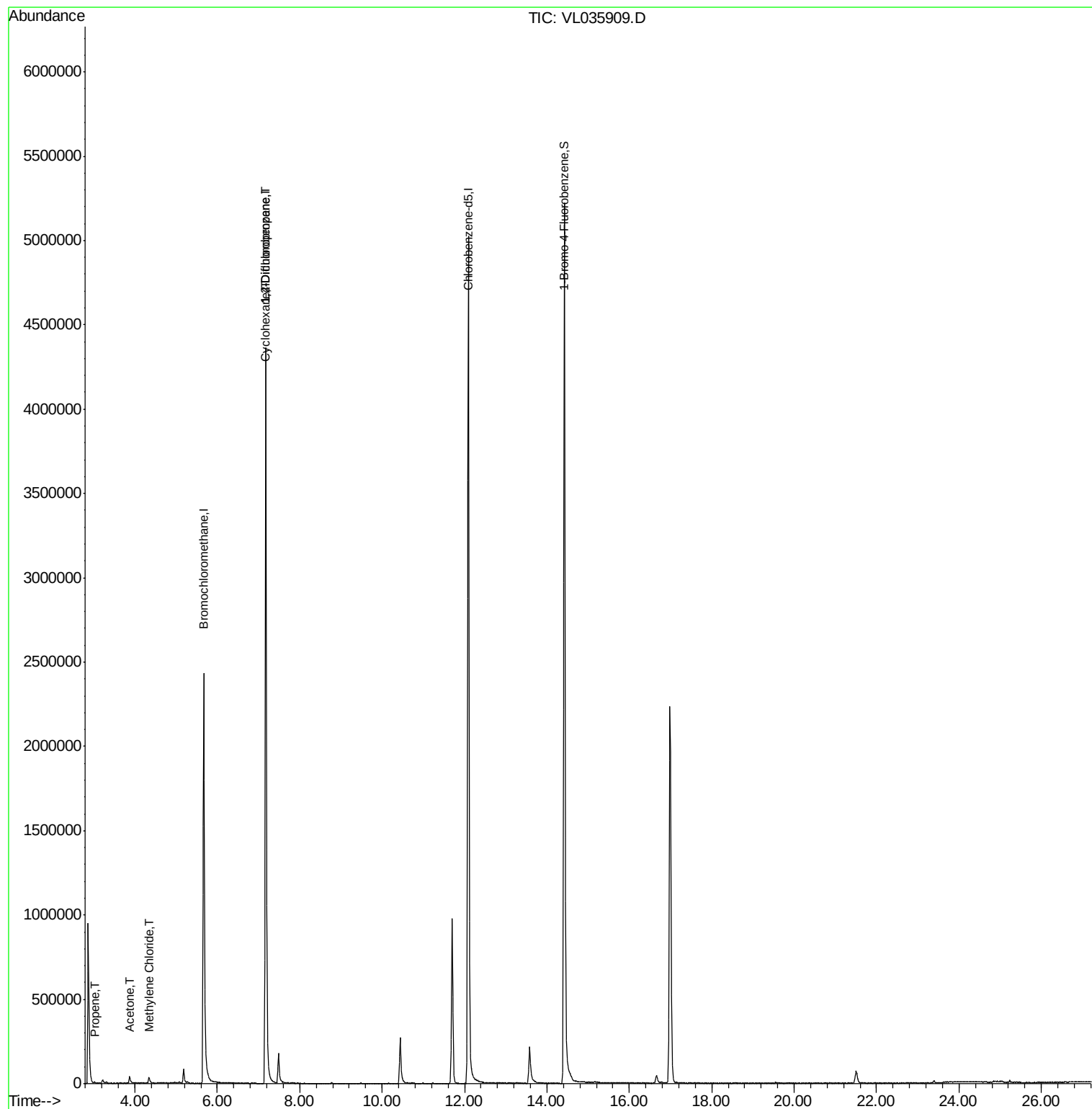
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	1607	0.032	ppbv #	15
15) Acetone	3.87	43	36191	0.298	ppbv #	4
20) Methylene Chloride	4.34	84	11848	0.139	ppbv	91
30) Cyclohexane	7.16	84	6374	0.044	ppbv #	6
39) 1,2-Dichloropropane	7.17	63	822829	8.079	ppbv #	31

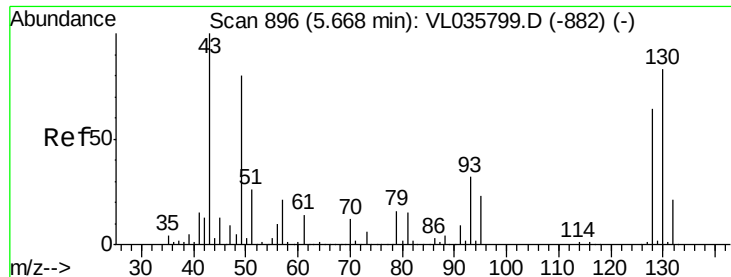
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

Lab File: VL035909.D

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Instrument :

MSVOA_L

ClientSampleId :

VL1112ABL01

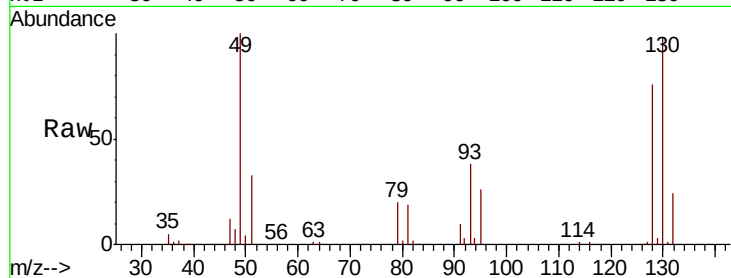
Tot Ion: 49 Resp: 1136006

Ion Ratio Lower Upper

49 100

128 77.7 41.5 124.6

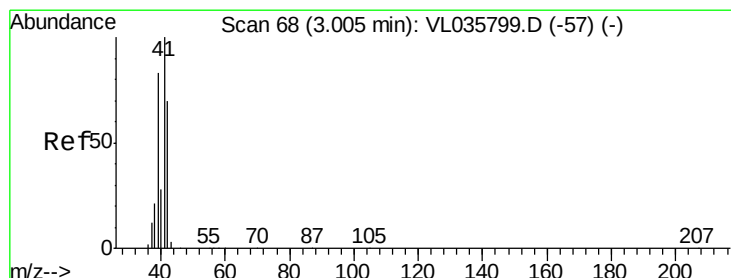
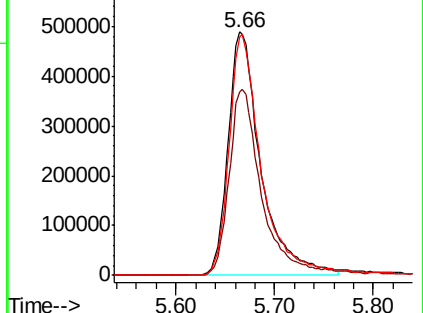
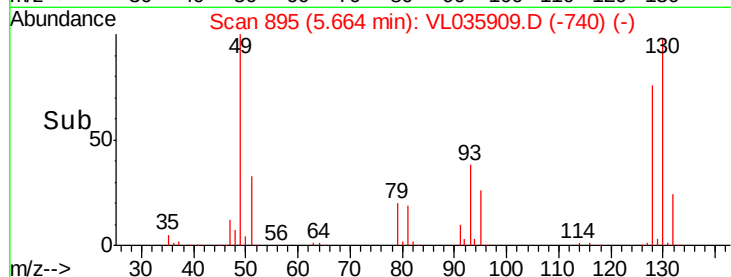
130 100.6 53.7 161.1



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: 0.032 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL035909.D

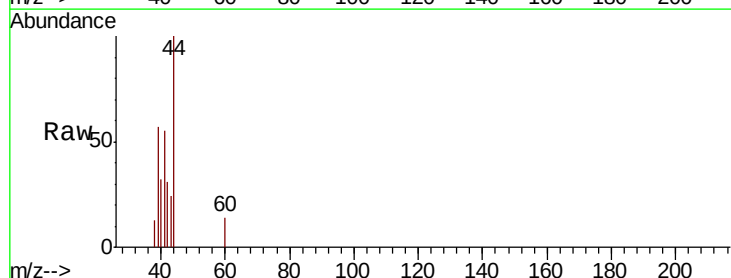
Acq: 12 Nov 2020 11:13

Tgt Ion: 41 Resp: 1607

Ion Ratio Lower Upper

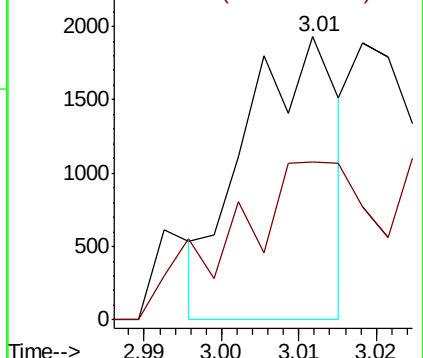
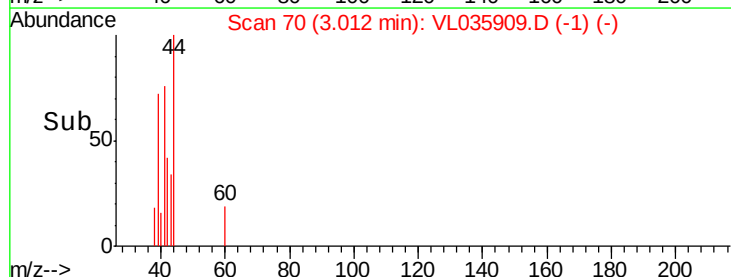
41 100

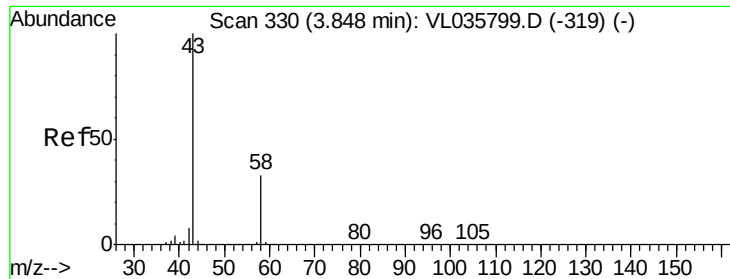
42 0.0 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.298 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL035909.D

Acq: 12 Nov 2020 11:13

Instrument :

MSVOA_L

ClientSampleId :

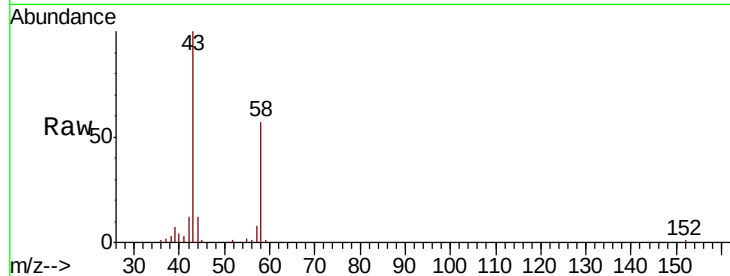
VL1112ABL01

Tot Ion: 43 Resp: 36191

Ion Ratio Lower Upper

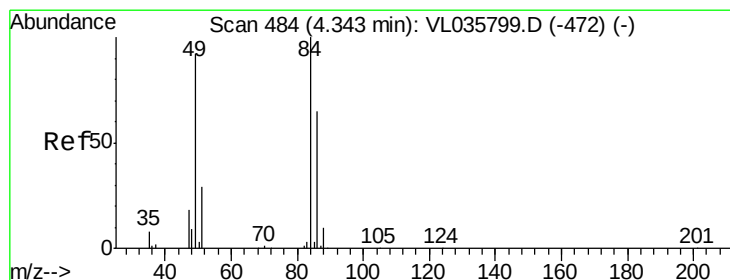
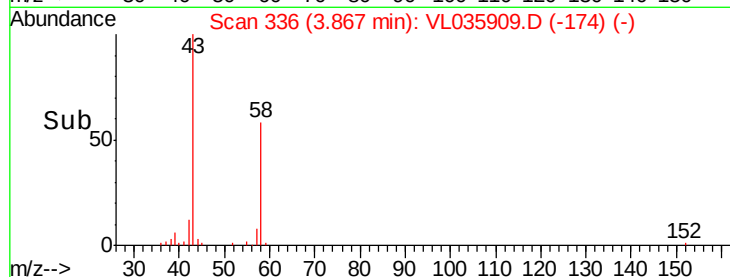
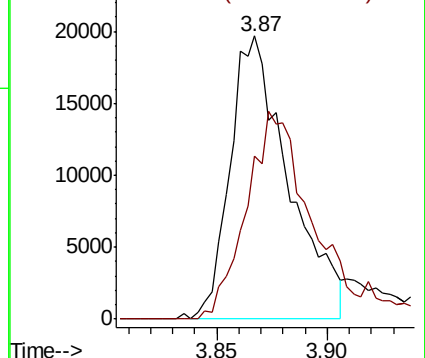
43 100

58 89.9 27.5 41.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.139 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL035909.D

Acq: 12 Nov 2020 11:13

Tgt Ion: 84 Resp: 11848

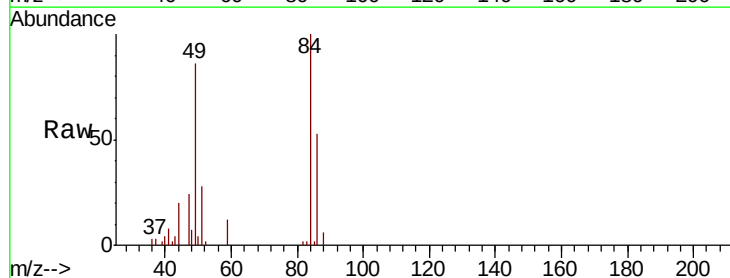
Ion Ratio Lower Upper

84 100

49 86.2 73.8 110.8

51 27.8 23.0 34.4

86 53.2 52.1 78.1

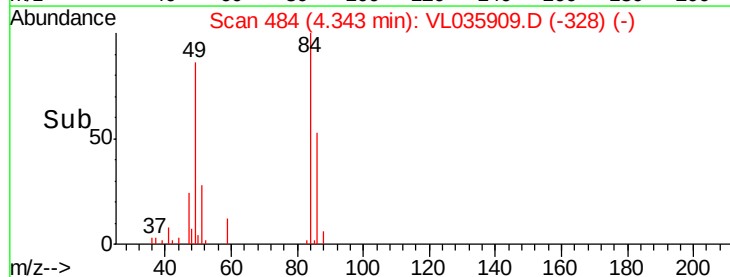
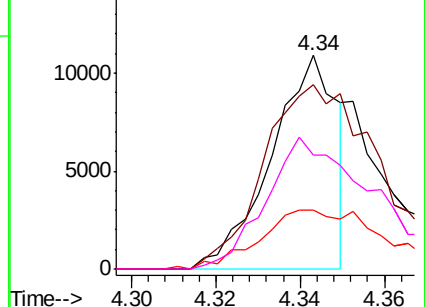


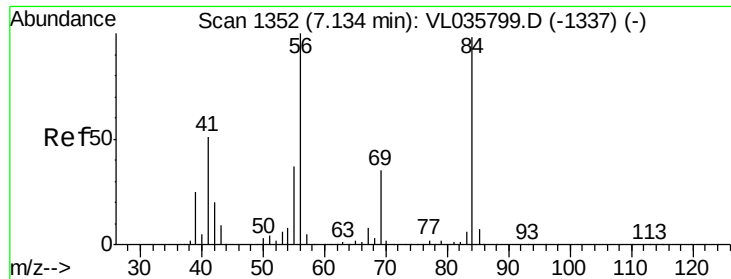
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

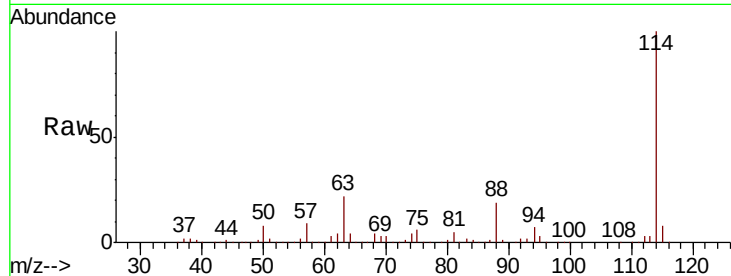




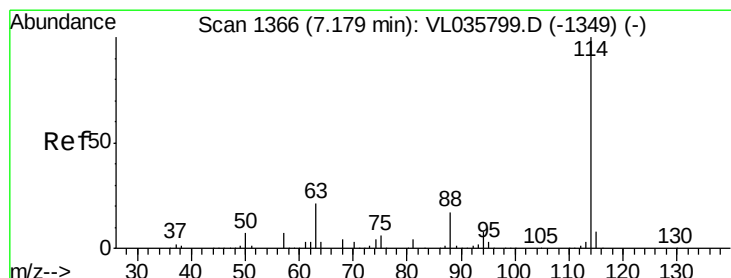
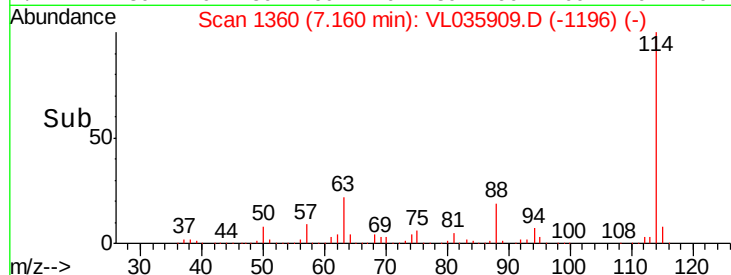
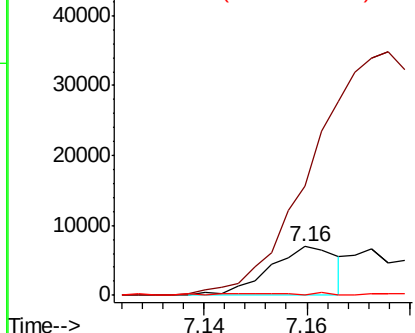
#30
Cyclohexane
Concen: 0.044 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.03 min
Lab File: VL035909.D
Acq: 12 Nov 2020 11:13

Instrument :
MSVOA_L
ClientSampleId :
VL1112ABL01

Tot Ion: 84 Resp: 6374
Ion Ratio Lower Upper
84 100
56 0.0 86.4 129.6#
41 0.0 42.1 63.1#

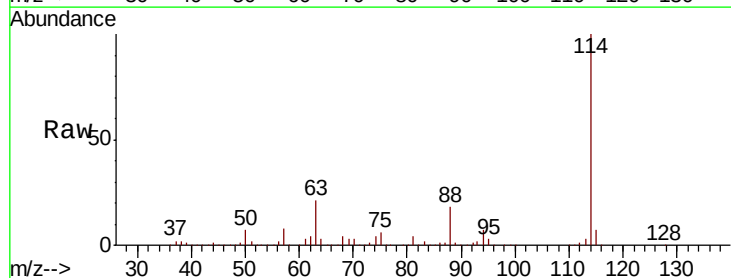


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

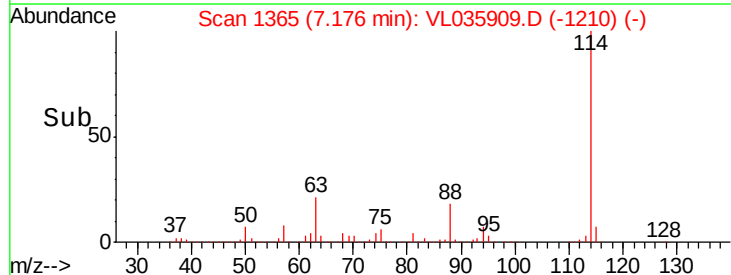
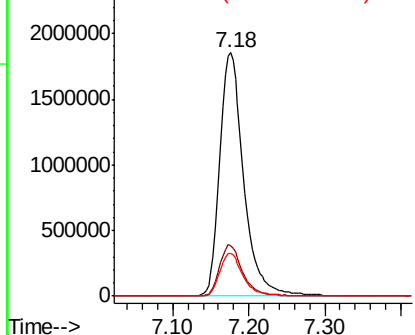


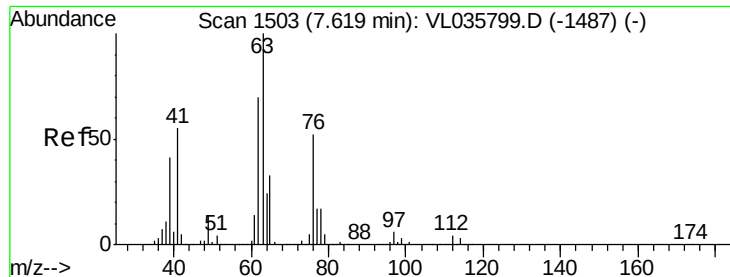
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.00 min
Lab File: VL035909.D
Acq: 12 Nov 2020 11:13

Tgt Ion: 114 Resp: 4069168
Ion Ratio Lower Upper
114 100
63 20.5 16.1 24.1
88 17.2 13.7 20.5



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

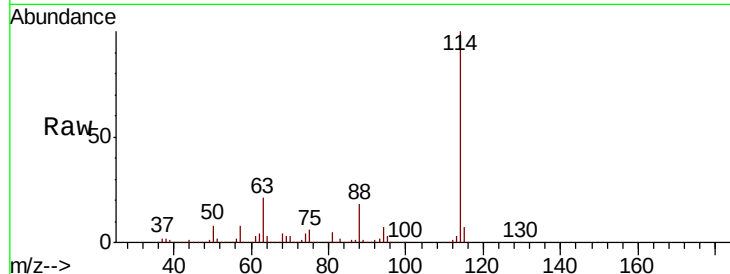




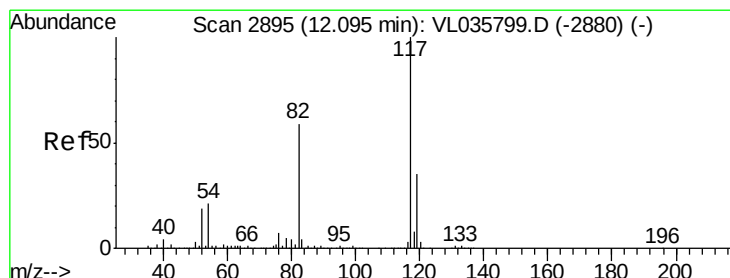
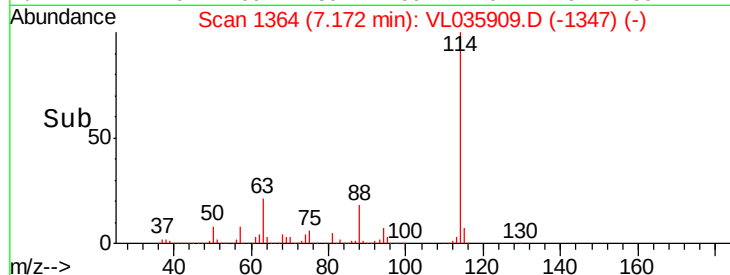
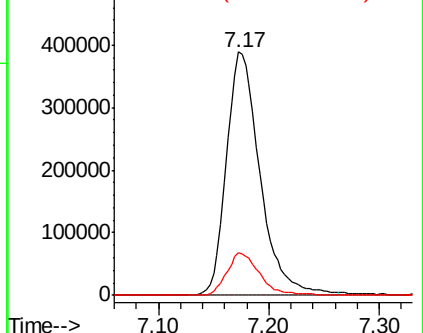
#39
 1,2-Dichloropropane
 Concen: 8.079 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.45 min
 Lab File: VL035909.D
 Acq: 12 Nov 2020 11:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1112ABL01

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	17.6	56.2	84.2#

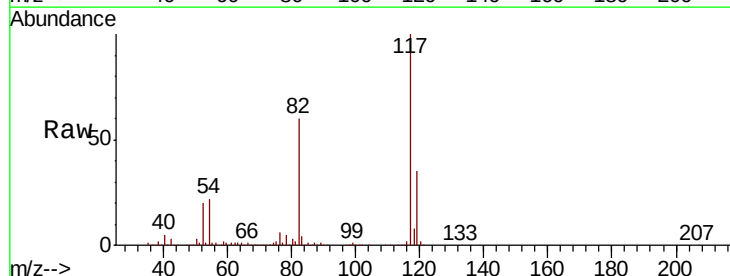


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

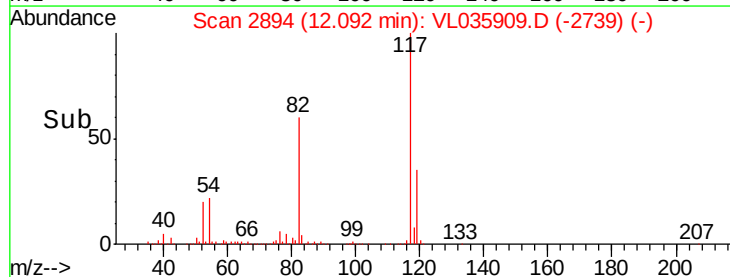
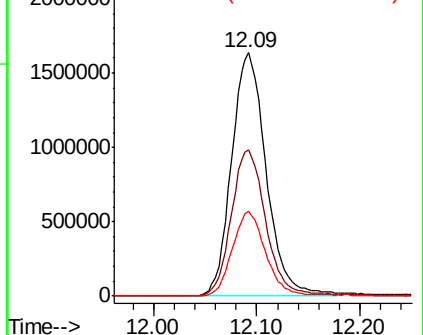


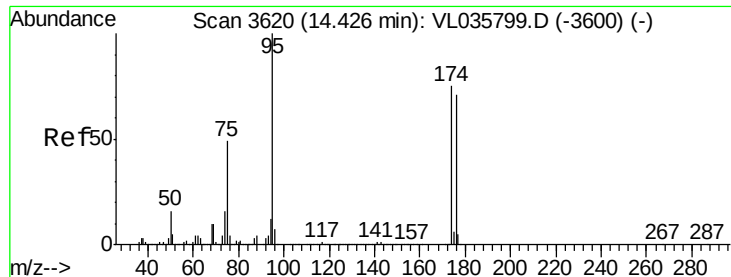
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2894
 Delta R.T. -0.00 min
 Lab File: VL035909.D
 Acq: 12 Nov 2020 11:13

Tgt Ion	Ratio	Lower	Upper
117	100		
82	61.0	50.6	76.0
119	34.2	52.6	78.8#



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: 10.346 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL035909.D

Acq: 12 Nov 2020 11:13

Instrument :

MSVOA_L

ClientSampleId :

VL1112ABL01

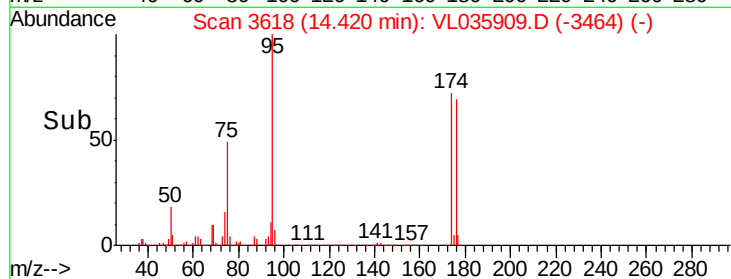
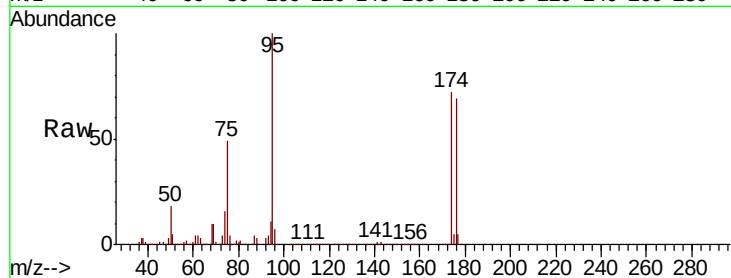
Tot Ion: 95 Resp: 2814809

Ion Ratio Lower Upper

95 100

174 73.7 59.8 89.6

175 5.2 4.3 6.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

