

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111020\
 Data File : VL035901.D
 Acq On : 10 Nov 2020 23:12
 Operator : SY/AP
 Sample : OC102020 CAN 10315
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC102020 CAN 10315

Quant Time: Nov 11 01:24:42 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	5.65	49	1026240	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3706269	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	3464705	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2571711	10.45	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

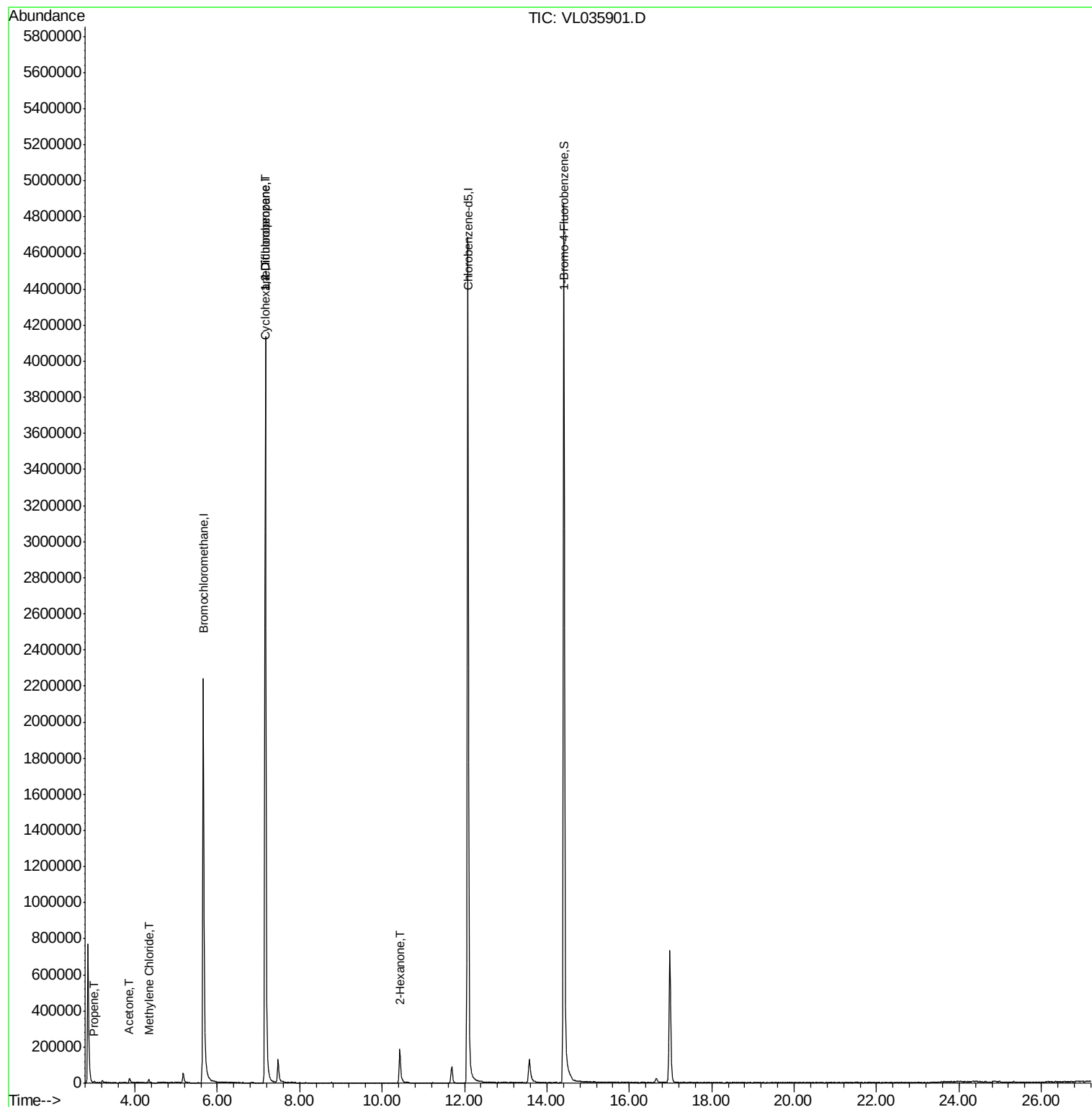
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	1778	0.040	ppbv #	55
15) Acetone	3.86	43	7725	0.070	ppbv #	40
20) Methylene Chloride	4.33	84	7438	0.096	ppbv #	86
30) Cyclohexane	7.15	84	12359	0.095	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	756821	8.158	ppbv #	30
51) 2-Hexanone	10.43	43	35317	0.239	ppbv #	44

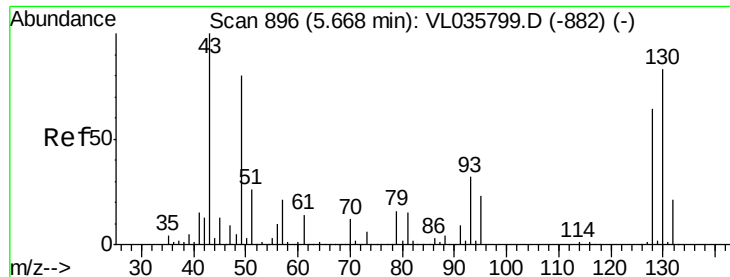
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

Lab File: VL035901.D

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MSVOA_L

ClientSampleId :

QC102020 CAN 10315

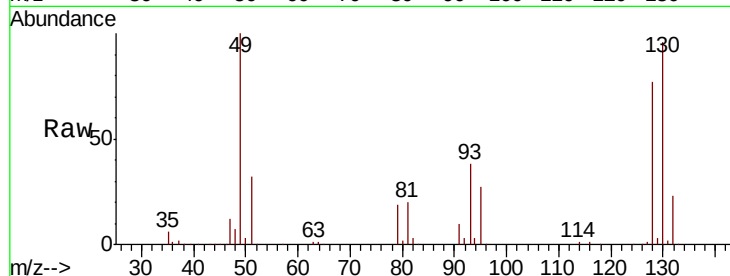
Tot Ion: 49 Resp: 1026240

Ion Ratio Lower Upper

49 100

128 79.6 41.5 124.6

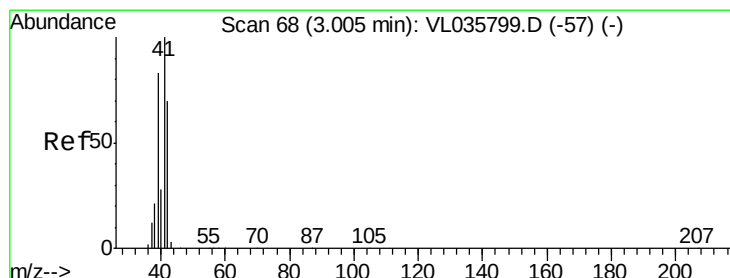
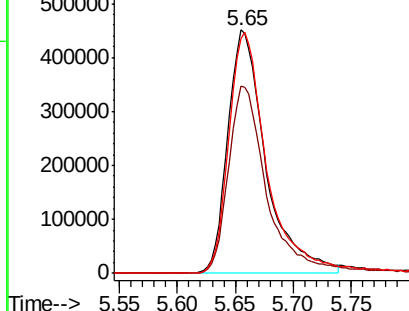
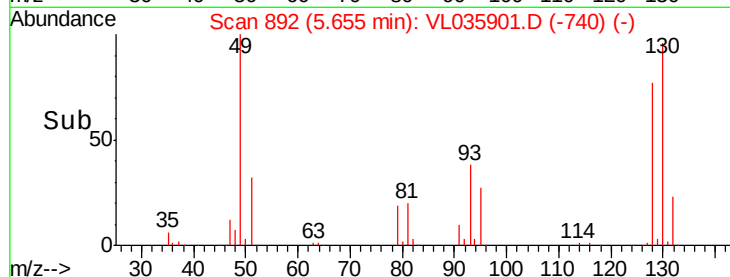
130 102.1 53.7 161.1



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: 0.040 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL035901.D

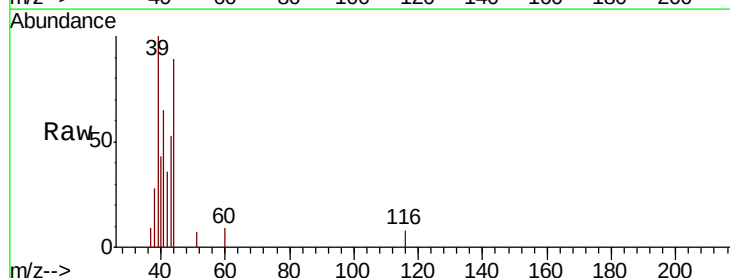
Acq: 10 Nov 2020 23:12

Tgt Ion: 41 Resp: 1778

Ion Ratio Lower Upper

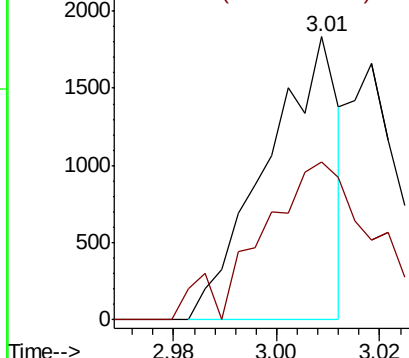
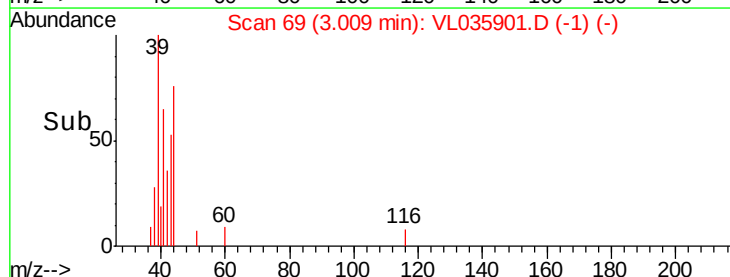
41 100

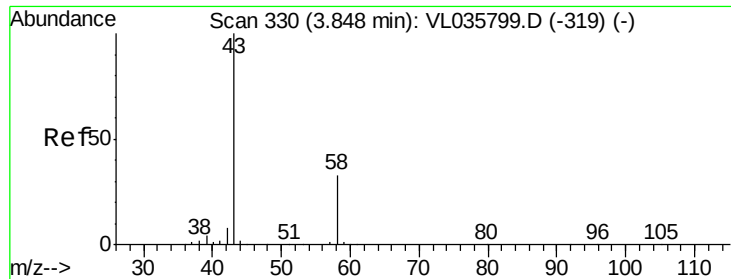
42 107.3 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.070 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.01 min

Lab File: VL035901.D

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Instrument :

MSVOA_L

ClientSampleId :

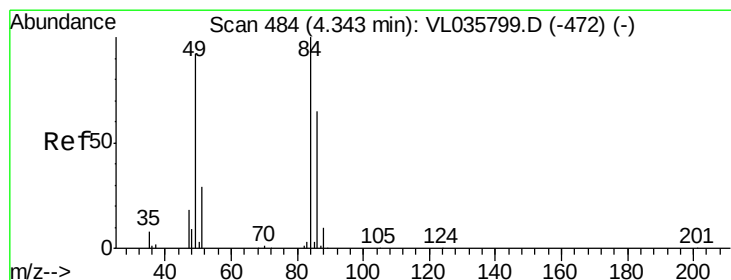
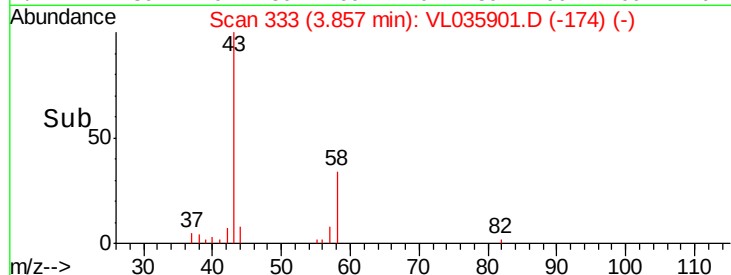
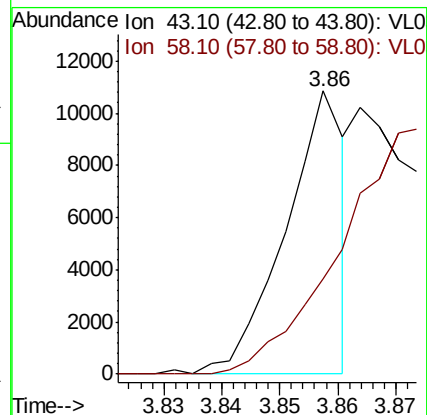
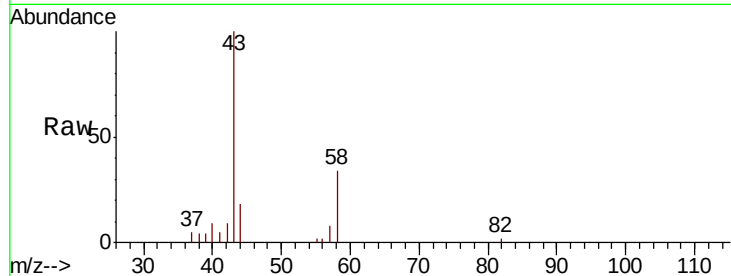
QC102020 CAN 10315

Tot Ion: 43 Resp: 7725

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#



#20

Methylene Chloride

Concen: 0.096 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL035901.D

Acq: 10 Nov 2020 23:12

Tgt Ion: 84 Resp: 7438

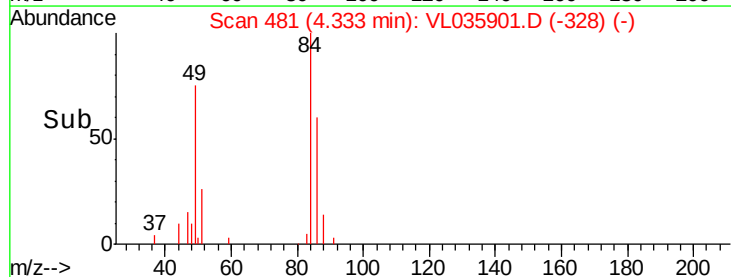
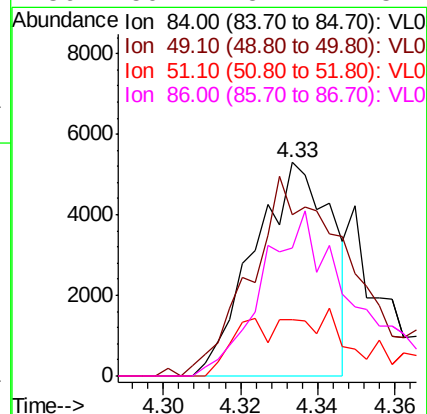
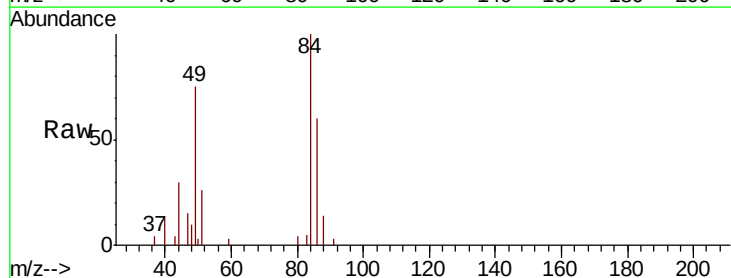
Ion Ratio Lower Upper

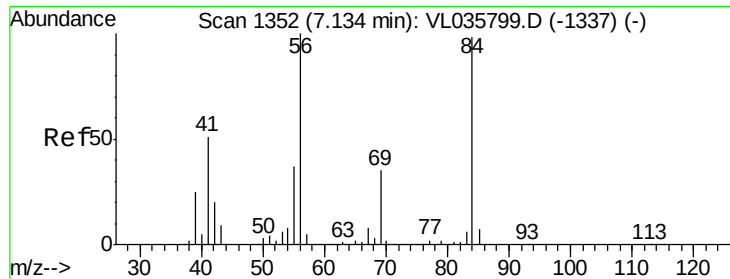
84 100

49 70.5 73.8 110.8#

51 26.2 23.0 34.4

86 59.7 52.1 78.1

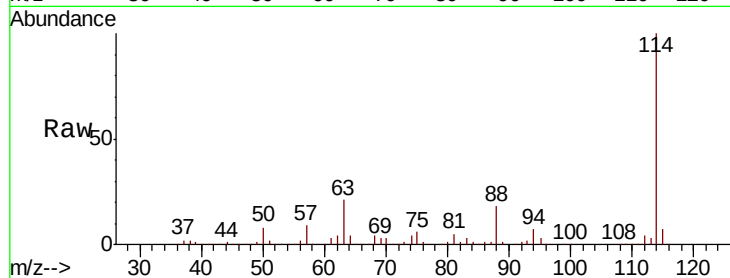




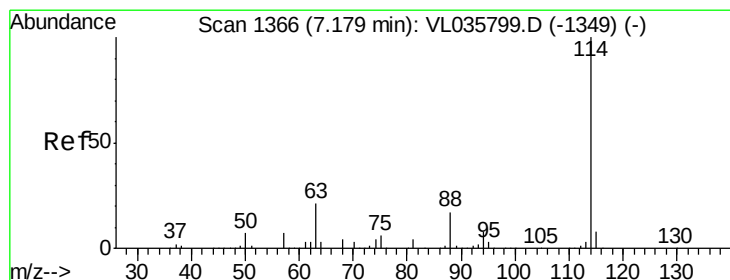
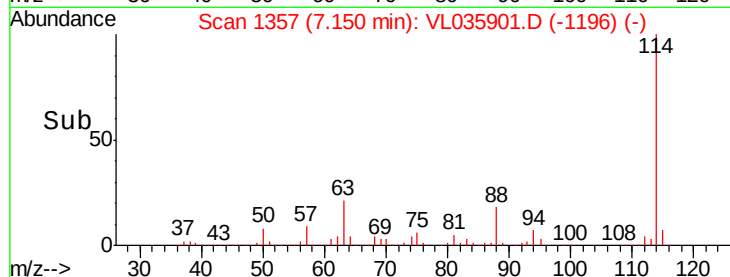
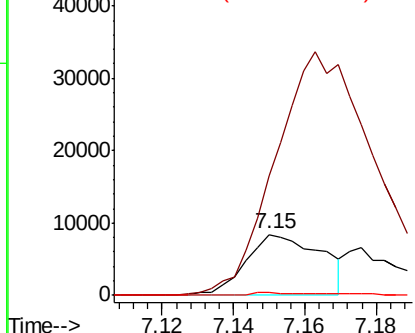
#30
Cyclohexane
Concen: 0.095 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. 0.02 min
Lab File: VL035901.D
Acq: 10 Nov 2020 23:12

Instrument :
MSVOA_L
ClientSampleId :
QC102020 CAN 10315

Tot Ion: 84 Resp: 12359
Ion Ratio Lower Upper
84 100
56 568.9 86.4 129.6#
41 0.0 42.1 63.1#

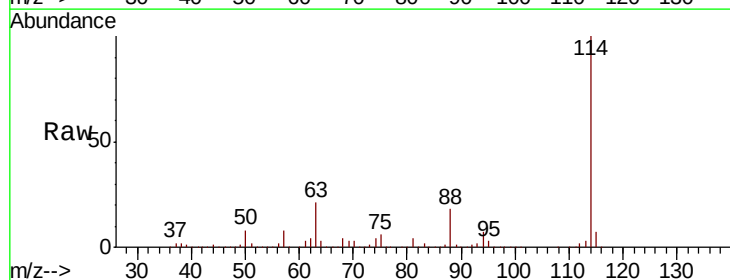


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

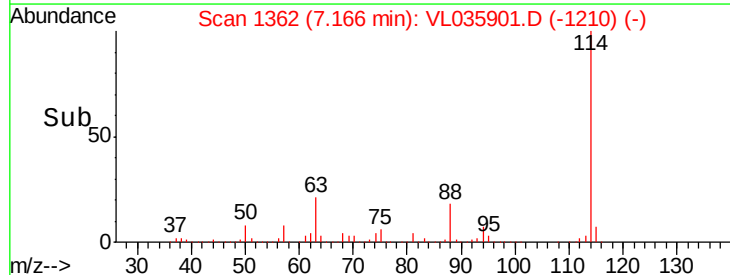
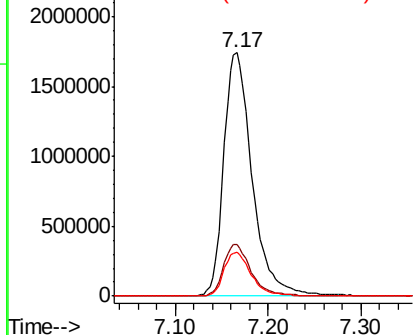


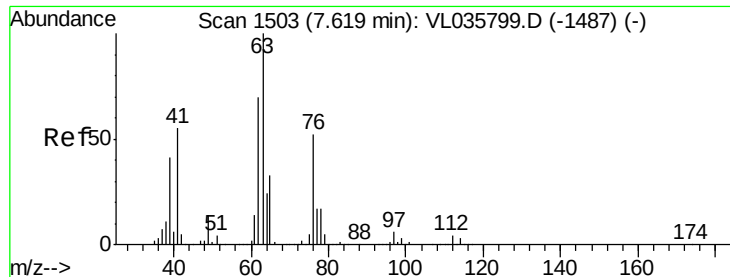
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.01 min
Lab File: VL035901.D
Acq: 10 Nov 2020 23:12

Tgt Ion: 114 Resp: 3706269
Ion Ratio Lower Upper
114 100
63 20.7 16.1 24.1
88 17.6 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

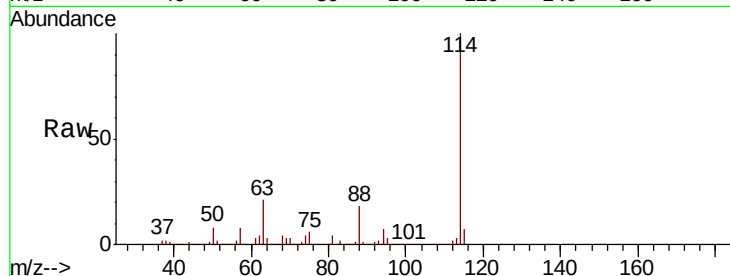




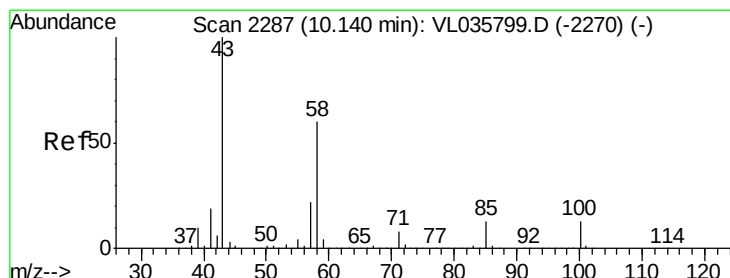
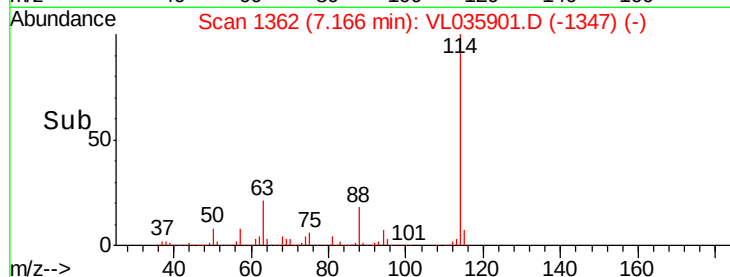
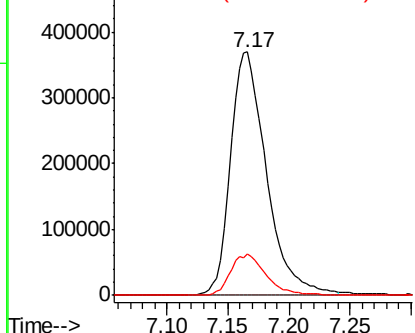
#39
 1,2-Dichloropropane
 Concen: 8.158 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.45 min
 Lab File: VL035901.D
 Acq: 10 Nov 2020 23:12

Instrument :
 MSVOA_L
 ClientSampleId :
 QC102020 CAN 10315

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.1	43.8	65.6#
62	16.9	56.2	84.2#

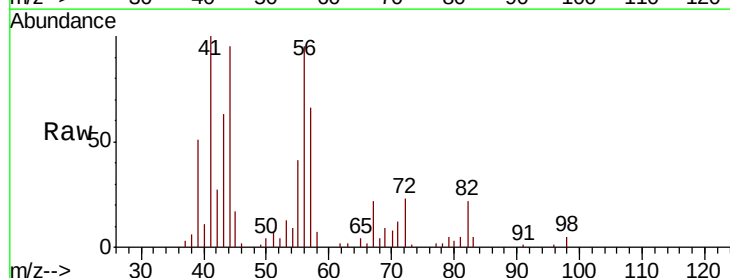


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

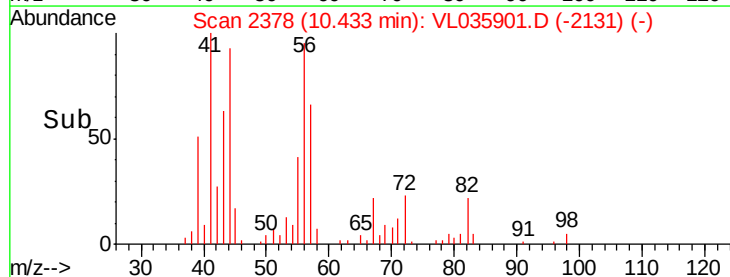
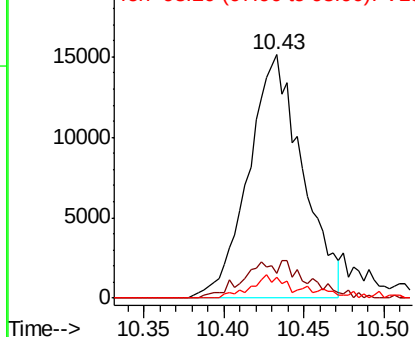


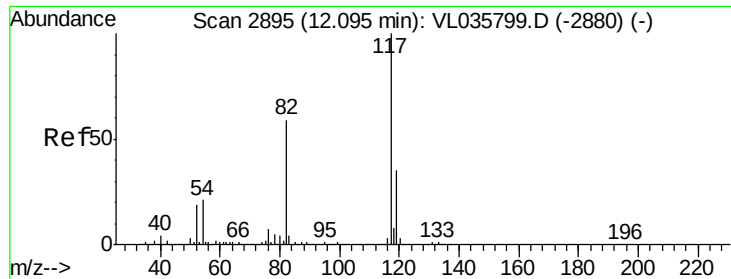
#51
 2-Hexanone
 Concen: 0.239 ppbv
 RT: 10.43 min Scan# 2378
 Delta R.T. 0.29 min
 Lab File: VL035901.D
 Acq: 10 Nov 2020 23:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	17.8	48.3	72.5#
98	8.9	0.6	0.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 58.10 (57.80 to 58.80): VL0
 Ion 98.20 (97.90 to 98.90): VL0

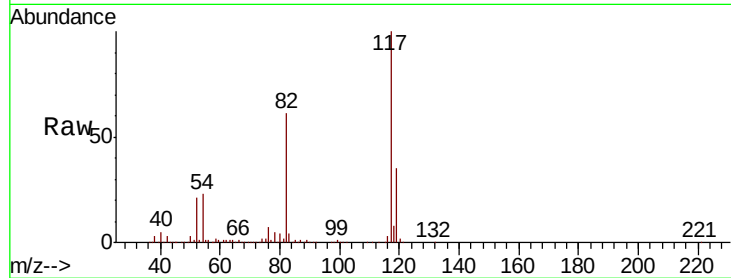




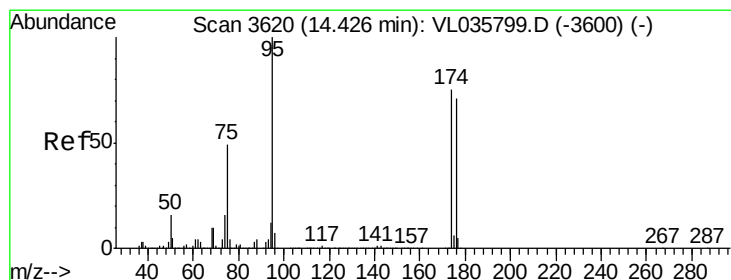
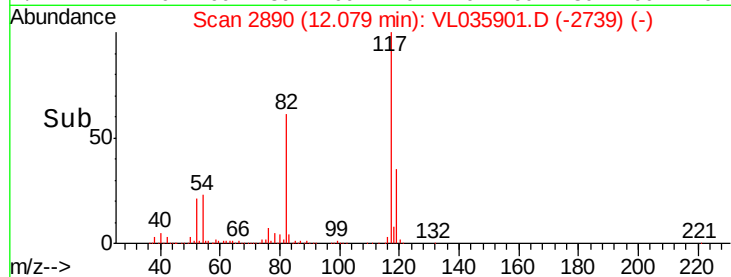
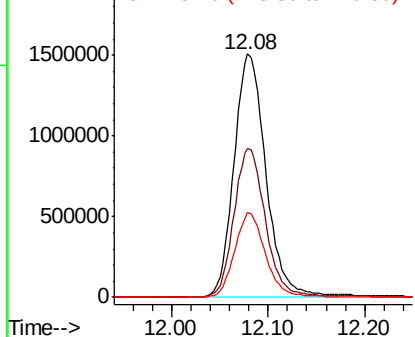
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.02 min
Lab File: VL035901.D
Acq: 10 Nov 2020 23:12

Instrument :
MSVOA_L
ClientSampleId :
QC102020 CAN 10315

Tot Ion:117 Resp: 3464705
Ion Ratio Lower Upper
117 100
82 61.2 50.6 76.0
119 33.9 52.6 78.8#

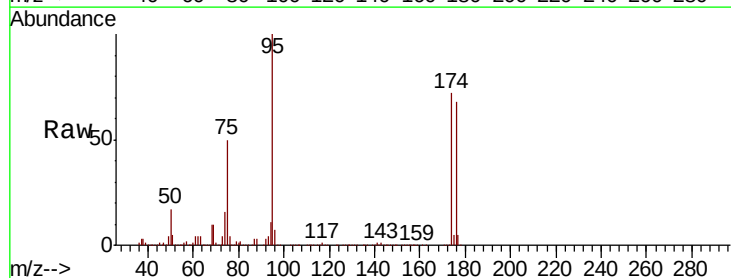


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.447 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. -0.02 min
Lab File: VL035901.D
Acq: 10 Nov 2020 23:12

Tgt Ion: 95 Resp: 2571711
Ion Ratio Lower Upper
95 100
174 73.6 59.8 89.6
175 5.0 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

